



DURGAPUR GOVERNMENT COLLEGE

Jawaharlal Nehru Avenue, City – Durgapur
District – Burdwan, State – West Bengal

PIN – 713214

www.durgapurgovtcollege.org



SELF STUDY REPORT ACCREDITATION CYCLE-II



Submitted to
National Assessment and Accreditation Council (NAAC)
P.O. Box No 1075, Nagarabhavi, Bangalore – 560 072



Government of West Bengal
OFFICE OF THE PRINCIPAL
DURGAPUR GOVERNMENT COLLEGE
J.N. AVENUE, Durgapur, BARDHAMAN, WEST BENGAL, INDIA
PIN:713214
Phone & Fax: + 91-0343-2500534, email: dgpgovtcollege@gmail.com

Memo No.DGC/16-17/696/NAAC Date:20/02/2017

The Director,
National Assessment and Accreditation Council (NAAC)
P.O.Box No. 1075
Nagarbhavi
Bangalore – 560072

Sub: Uploading of the Self Study Report of Durgapur Government College,
J.N. Avenue, Durgapur, Bardhaman, West Bengal for the second cycle of
NAAC accreditation on website of the institution

Sir,

This is to inform you that the Self Study Report (SSR) of Durgapur Government College is being uploaded on the website of the institution for the second cycle of NAAC accreditation. The Letter of Intent (LOI) and the hard copies of the SSR will reach you within the stipulated time.

This is for your kind information and necessary action.

Thanking you,

Sincerely yours,

SANJOY KUMAR ROY
Officer-in-charge
Durgapur Government College

SANJOY KUMAR ROY
OFFICER-IN-CHARGE
DURGAPUR GOVT. COLLEGE
DURGAPUR - 14



Government of West Bengal
OFFICE OF THE PRINCIPAL
DURGAPUR GOVERNMENT COLLEGE
J.N. AVENUE, Durgapur, BURDWAN, WEST BENGAL, INDIA
Phone & Fax: + 91-0343-2500534
Email: dgpgovtcollege@gmail.com

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that **Durgapur Government College** fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 20/02/2017


Principal/Head of the Institution

Place: Durgapur

Name and Signature with Office seal)

SANJOY KUMAR ROY
OFFICER-IN-CHARGE
DURGAPUR GOVT. COLLEGE
DURGAPUR - 14

List of Contents		Page No.
SECTION A	PREFACE	01
SECTION B	I. Executive Summary	07
	II. SWOC Analysis	18
SECTION C	PROFILE OF THE COLLEGE	22
SECTION D	CRITERIA-WISE INPUTS	33
Chapter 1	Criterion I: Curricular Aspects	34
Chapter 2	Criterion II: Teaching, Learning and Evaluation	62
Chapter 3	Criterion III: Research, Consultancy and Extension	109
Chapter 4	Criterion IV: Infrastructure and Learning Resources	200
Chapter 5	Criterion V: Student Support and Progression	230
Chapter 6	Criterion VI: Governance, Leadership & Management	264
Chapter 7	Criterion VII: Innovations and Best Practices	298
SECTION E	EVALUATIVE REPORTS OF THE DEPARTMENTS	313
1.	Department of Bengali	314
2.	Department of Botany	321
3.	Department of Chemistry	330
4.	Department of Commerce	342
5.	Department of Conservation Biology	350
6.	Department of Economics	385
7.	Department of English	365
8.	Department of Geology	380
9.	Department of History	390
10.	Department of Mathematics	400
11.	Department of Philosophy	406
12.	Department of Physical Education	415
13.	Department of Physics	422
14.	Department of Political Science	429
15.	Department of Sanskrit	435
16.	Department of Zoology	441
	POST ACCREDITATION INITIATIVES	450
	CERTIFICATE OF DECLARATION	455
Annexure I	Copy of 2(f) Certificate	458
	Copy of supporting document for recognition u/s 12(B)	459
Annexure II	Copy of Accreditation Cycle I Certificate 2007	462

SECTION A

PREFACE

Preface

The establishment of Durgapur Government College, a public-funded institution, was inevitable with the emergence of the Steel City Durgapur. The college may be viewed as a by-product of Durgapur City when the Steel City, the '*Ruhr*' of Bengal, was born.

Durgapur Government College towered in the entire region of Bardhaman, Bankura, Purulia and Birbhum in a vast stretch of the southern part of West Bengal as the only government college. The then Honourable Governor of Bengal, Shri Dharma Vira laid the foundation stone of Durgapur Government College while the first academic session commenced from 1970-71 (Letter no: F.IV-2/52/1270 dated 19.05.1971).

This 48-year-old institution has a chequered history.

The college started with the aim of conferring 3-year B.A. degree to the students, with B.A. Pass in Bengali and B.A. Pass and Honours in English, Economics, History, Political Science, Philosophy and Sanskrit. The college now offers B.A., B.Sc., and B.Com. Pass and Honours degrees in 14 subjects: Bengali, Botany, Chemistry, Commerce, Economics, English, Geology, History, Mathematics, Philosophy, Physics, Political Science, Sanskrit and Zoology.

In its postgraduate section, 2-year M.Sc. degree is offered in this college in Chemistry, Conservation Biology and Geology. It is a matter of great pride that the Department of Conservation Biology of Durgapur Government College is the only one of its kind in entire Eastern India. Geology, offered as a subject at the undergraduate and also at the postgraduate level, is a subject taught in very few colleges in West Bengal. Physical Education is offered as an Elective subject. A proposal has already been sent to introduce Physical Education as an Honours subject. The college is also contemplating establishing a Women's Study Centre.

Even after the establishment of private colleges, government-aided colleges, Durgapur Government College retained its singularity by serving as the sole public-funded institution in Durgapur. A fee structure, significantly lower than that of every other college in Durgapur, with teaching faculty from **West Bengal Educational Service (WBES)** and **West Bengal Senior Educational Service (WBSES)** cadre, the college continued to be a distinguished institution.

The college has been experiencing many changes during its long existence. It was initially affiliated to the University of Burdwan till 2015. In July 2015, the affiliation changed to Kazi Nazrul University, Asansol. At present, the college is passing through a transitional phase which is challenging because the change in affiliation has brought in a significant shift effecting a change in curriculum and, also due to the introduction of the 'Choice Based Credit System' (CBCS).

With academic, administrative buildings, residential quarters dotting the campus map, it is an experience to have so much open ground at one's disposal.

Eminent scholars like Gouri Prasad Ghosh (Recipient of *Ananda Puroskar*), Dr. Pijush Kumar Ganguly (former Director of Public Instructions, Education Directorate, Government of West Bengal), Professor Achintya Kumar Sarkar (Recipient of *Shiksha Ratna*), Professor Subhra Kumar Mukhopadhyay (Emiretus Professor, GCELT, UGC) have taught at this institution. The college has produced brilliant graduates who are now employed in responsible posts in reputed institutions. The college keeps pace with the new and emerging areas of study by organizing lectures, seminars, conferences, workshops with external and internal experts as resource persons.

The University of Burdwan has recognized this college as a centre for carrying out Ph.D research work. The Netaji Subhas Open University (NSOU) had been operating from this college since 2007 and is now almost ready to operate as a regional centre on 05 acres of land transferred from the college as per government directive. The college and the NSOU share resources which benefit both the institutions.

The college addresses the needs of slow and advanced learners, differently-abled students and students from economically-challenged background. Quite a few students of the institution are first generation learners.

The Drawing and Disbursing Officer (DDO) of Durgapur Government College shoulders the huge responsibility of acting as the DDO of three newly set up government colleges: the Government General Degree Colleges at Kalna, Mangalkot and Mejia.

The college now has an infrastructure which includes LCD projectors, facilitating teaching learning through computer-aided technology. Two virtual classrooms and e-resources are available in the college.

The Counselling and Career Guidance and Placement Unit of the college chalks out well-planned programmes to equip students with employability and entrepreneurial skills.

There is an increasing attempt to devise student-friendly teaching methods like use of technology, holding classes in the open, to ensure effective learning. Internet-link covering the entire campus helps in research-oriented activities.

The NSS Unit of Durgapur Government College functioning from 1970 by organizing special camps at Nadiha village with 100 male students, has been playing a crucial role to light up the lives of many under-privileged people.

The NCC Unit and the Cell for Gender sensitization of this institution have emerged as powerful units to ensure holistic development and to discourage gender discrimination through its awareness programmes.

Sports activities deserve special mention. Students of the college have shown outstanding performance at the university/district/state level tournaments.

Spread over 30 acres of land, now 25 acres, the geography of the campus mirrors the nature of the region that the area once was. The industrial city

grew out of huge areas of forests. In many parts of Durgapur, dense forests are still visible. The campus itself is a rich treasure-trove of natural resources including flora and fauna. The college has taken initiative to familiarize the students about these resources and to explore the possibilities for research and preservation.

Durgapur Government College has taken significant measures to ensure teaching and learning in an appropriate ambience and to ensure capacity-building in students and members of the staff. The college has made sincere efforts to implement the valuable suggestions of the NAAC Peer Team during its visit in 2007 and now wishes to take the opportunity of the second cycle of accreditation by the National Assessment & Accreditation Council (NAAC). Accordingly, a Self Study Report (SSR) has been prepared in compliance with the NAAC guidelines with utmost sincerity and honesty. The preparation of this report helped us in assessing our academic activities and gave us an opportunity to identify the areas where the college needs to pay careful attention. It helped us review our strength and weakness, our constraints and opportunities based on the feedback from various stakeholders.

We think positive and believe that the activities introduced with much thought would help the institution to achieve new heights.

We express our gratitude to the members of the NAAC Peer team of the first cycle, the Director of Public Instructions, the Department of Higher Education, and the PWD, Government of West Bengal, the Kazi Nazrul University, Asansol, the UGC, the IQAC, the NAAC Steering Committee, all members of the staff, our students, our alumni for their rigorous involvement in the preparation of SSR.

Sanjoy Kumar Roy
Officer-in Charge
Durgapur Government College

SECTION B

I : EXECUTIVE SUMMARY
II : SWOC ANALYSIS

I : EXECUTIVE SUMMARY

Criterion I : Curricular Aspects

Courses offered by the College

- ✓ The institution was affiliated to The University of Burdwan till the academic session 2014-2015. It is presently affiliated to Kazi Nazrul University, Asansol w.e.f academic session 2015-2016
- ✓ CBCS system for undergraduate courses was introduced w.e.f academic session 2016-2017
- ✓ Presently, the third year students of undergraduate courses follow annual pattern under the affiliation of The University of Burdwan. The students of first year and second year of undergraduate courses follow CBCS and annual pattern respectively under the affiliation of Kazi Nazrul University, Asansol
- ✓ There are a total of 17 annual programmes (for students admitted in academic session 2014-15 and 2015-16) and 27 semester programmes (w.e.f academic session 2016-17) for undergraduate courses
- ✓ Three postgraduate programmes (Chemistry, Conservation Biology and Geology) are offered by the institution
- ✓ Core Courses, Generic Elective Courses, Discipline Specific Courses, Ability Enhancement Courses and Skill Enhancement Courses are offered by the college in different subjects
- ✓ College has a MOU with Netaji Subhas Open University (NSOU). Two units function from the college campus and involve active participation of some of the faculty members in academic and/or administrative activities
- ✓ College has sent proposal to the competent authority for necessary approval to start self-financed certificate course in Communicative English, Animation, Tourism, Basic Computer training and Pottery, and Honours course in Physical Education

Contribution of the college in curriculum designing and modification

- ✓ Some of the faculty members are members of undergraduate and postgraduate Boards of Studies and Syllabus committee of the university
- ✓ PG Departments of Geology and Conservation Biology are the sole postgraduate departments of the affiliating university. Therefore, they play important roles in syllabus designing
- ✓ Faculty members participated in the workshops organized by the university for syllabus designing under CBCS system. Workshop on CBCS syllabus was also organized by Department of History

Providing information to stakeholders

- ✓ Information related to the courses offered by the college is published on the college website and prospectus

Implementation of curriculum

- ✓ College follows academic calendar for effective implementation of the curriculum
- ✓ Interactive sessions are organized with students and/or parents/guardians to discuss the problems faced during the implementation of the curriculum. Social networking groups have also been formed by different departments to exchange ideas on such matters
- ✓ Informal and formal collaboration of faculty members with different research bodies, higher education centres and universities facilitates the effective operationalisation of the curriculum
- ✓ Feedback from different stakeholders is taken into consideration during policy framing of the institution

Integration of cross cutting issues included in the curriculum

- ✓ Sub-Committee for Gender Sensitization and protection against sexual harassment at work place and NSS Unit work to integrate the cross cutting issues of gender, and environmental education.
- ✓ Various curricular aspects covering social, environmental and cultural issues are taken care of in the annual exhibition

Criterion II : Teaching, Learning and Evaluation

Admission Process

- ✓ Details of admission process are displayed on the website
- ✓ The admission process to undergraduate courses is online and admission is based on the prescribed merit calculation index
- ✓ Admission to postgraduate programmes is conducted by the affiliating university
- ✓ College strictly adheres to the government policies for the reservation of seats for SC, ST, OBC and differently-abled students
- ✓ About 50% of the total enrolled students are female
- ✓ Demand ratio depends on availability of college infrastructural facilities, discipline, and good will and date of publication of Joint Entrance Examinations and rate of success in the last public examination
- ✓
- ✓ College has taken initiative to improve the demand ratio by emphasizing the use of computer aided technology, renovation of infrastructure, organization of expert lectures/seminars/workshops/conferences and has also sent proposal for hostel facilities

Initiatives to cater to the needs of differently- abled students

- ✓ College has taken initiative to make the campus friendly for the differently-abled. Ramps and wheelchairs are available. A committee has been formed to cater to the needs of such students. Proposal for specially designed toilets has been sent for approval

Providing information to newly admitted students

- ✓ Relevant information is posted on the college website for the benefit of the students
- ✓ Orientation Classes for first year undergraduate students are organized
- ✓ Students are made aware of the teaching assignment of each teacher, academic calendar and evaluation pattern at the beginning of session
- ✓ Students' Union addresses students on various issues related to college

Initiatives for students with different learning paces

- ✓ Tutorial classes are held in some departments
- ✓ Slow learners are identified and provided extra care
- ✓ Advanced learners are provided with study materials and other academic resources even from personal collections
- ✓ Learning outcome is gauged from time to time

Teaching, learning and evaluation process

College plans the teaching and learning process by different steps:

- ✓ Preparation of academic calendar, framing of the master routine, assigning classes to teachers, preparation of teaching plan, and evaluation of students through class tests, assignments, viva-voce etc

- ✓ College library has a wide range of text books, reference books and e-books
- ✓ College campus has LAN connectivity to ensure internet facilities for students and faculty members. Wi-Fi connectivity is available in some departments
- ✓ Use of computer-aided methods of teaching is emphasized and encouraged
- ✓ Educational tours, field work, expert lectures, wall magazines, open-house presentations are undertaken to supplement classroom teaching
- ✓ Open air classes, use of software for explanation, study tours, visit to different institutions are encouraged
- ✓ Performance of students is reviewed by different departments
- ✓ Students are assessed by their regularity in attendance, interactive sessions in classes, performance in different examinations, co-curricular activities and readiness in shouldering responsibilities
- ✓ Examination sub-committees and tabulation sub-committees have been formed by the Teachers' Council for effective implementation of the evaluation reforms of the university

Overall development of students

- ✓ NSS organizes special camps, cleanliness campaigns, traffic awareness rally, seminars, AIDS awareness campaign and many activities to sensitize students, staff and sometimes, local people on different issues requiring attention
- ✓ Exhibitions, seminars, special lectures, conference, involvement of students in NSS, NCC, sports and cultural programmes, participation in different competitions are encouraged to ensure overall development of students
- ✓ Students are provided guidance and support on different issues by the Counselling and Career Guidance and Placement Unit, Anti-ragging committee, Grievance Redressal cell and Cell for Gender Sensitization

Faculty development

- ✓ Exchange of academic resources, discussion in College involves experienced as well as young energetic faculty members. Out of total 92 teachers, 29 permanent teachers and 05 part time teachers have Ph.D. qualification and 14 teachers are presently pursuing their PhD in different institutes
- ✓ Faculty members are encouraged to participate in different academic staff development programmes. From 2010 to 2016, 33 teachers have participated in Refresher courses, 26 teachers have participated in orientation programmes and 10 teachers have participated in summer schools/winter schools and workshops. Faculty members have attended CBCS syllabus workshop organized by the affiliating university.

Criterion III : Research, Consultancy and Extension

Promotion of research activities

- ✓ Research activities in the institution are monitored by IQAC, UGC PFMS & Seminar Proposal sub-committee, Journal & Publication Committee and heads of the departments
- ✓ A research advisory board has been formed to provide guidance
- ✓ Necessary infrastructure such as library facilities, internet, space, furniture and available equipment are provided to carry out research projects
- ✓ Leave on duty is granted to the teachers to participate in seminars/workshops and conferences
- ✓ Students are encouraged to participate in different seminars, conferences and workshops to develop the research aptitude
- ✓ Field trips, educational tours are organized to enhance learning and research aptitude of students
- ✓ Special lectures by eminent researchers are arranged by different departments
- ✓ College organizes seminars, workshop and conference to ensure research oriented work culture
- ✓ College published the institutional academic journal, "*Communique*"
- ✓ Department of Geology publishes the students' journal, "*Geolozine*"

Research Funds

- ✓ College doesn't receive any research grant under plan head from Government of West Bengal
- ✓ College received the first instalment of DST-FIST grant 2013-14 in the year 2013. Equipment, books and networking facilities were acquired from this grant
- ✓ Faculty members are encouraged to write proposals for different projects to different sponsoring agencies. Full autonomy is given to the Principal Investigator after receipt of the project grant and the grant is promptly released

Research activities of faculty members

- ✓ Almost 90% of teachers have publications to their credit
- ✓ 6 faculty members have participated as resource person in different workshops/seminars and conferences organized by external professional agencies
- ✓ Three faculty members are presently involved in guiding research scholars
- ✓ Faculty members have organized awareness campaigns and training programmes for villagers, students and different institutes based on their research work

- ✓ Faculty members, students, NSS Units have conducted surveys related to social and economic condition of people

Extension related activities

- ✓ NSS Units have adopted two local villages. Cleanliness campaign, surveys, awareness programmes, literacy campaign are some of the activities of NSS volunteers in these villages and in the college campus
- ✓ NSS Unit observes important days such as "Independence Day", "Republic Day", "Netaji's Birthday", "Swami Vivekananda's Birthday", "World AIDS Day"
- ✓ Cultural programs and seminars are organized during the NSS Special Camps every year
- ✓ NCC cadres actively participate in different district and state level camps. Students are given rigorous training of NCC parades, mountaineering, rock climbing, ice skating, trekking. NCC students have joined army, RPSF, CRPF, CISF, BSF, air force, West Bengal police service. NCC cadres have received awards in Republic Day parades

Criterion IV : Infrastructure and Learning Resources

- ✓ College has developed networking facilities. All departments, Principals' Office, Teachers' Room and Library have LAN connectivity. Wi-Fi facility is available in some of the departments
- ✓ A building committee has been formed to monitor and provide suggestions for maintenance of college buildings. Maintenance and civil work is carried out by PWD, Government of West Bengal
- ✓ College has two seminar halls equipped with LCD projector. These seminar halls are also used as virtual classrooms
- ✓ College provides accessories to students to ensure active participation in tournaments.
- ✓ NSS and NCC units have separate rooms in the college campus
- ✓ Gymnasium is available for students which is planned to be upgraded shortly
- ✓ Sick room facility is available in the college campus
- ✓ Separate common rooms are available for male and female students with indoor games and toilet facilities
- ✓ Drinking water facilities (Water purifiers) are available in the college premises
- ✓ Canteen facility is available in the college premises
- ✓ Power Back up facility is available in the college premises
- ✓ Different cultural programmes are organized in the college. Fund from Students' Union budget is allocated for Annual Fest, Freshers' welcome, Teachers' Day celebration
- ✓ Staff Club organizes different programmes and get-together for faculty members to provide recreational space
- ✓ Ramp, wheelchairs are present in the campus to cater to the needs of differently abled students. Proposal for construction of specially designed toilets has been sent for approval
- ✓ The institution provides residential facility to teaching and non-teaching staff. Proposal of different student hostels has been sent for approval to Government of West Bengal
- ✓ Separate room in the ground floor of the main academic building serves as the office of the Internal Quality assurance Cell (IQAC)
- ✓ College Library is situated on the ground floor and first floor of the administrative building. It is enriched with text books, reference books, e-books, journals, encyclopaedia, developmental reports, some audio-visual equipment and educational CDs
- ✓ College ensures 24-hour security at the main entry point. Security guards perform their duties as per schedule

Criterion V : Student Support and Progression

Display of information

- ✓ Information regarding courses offered, admission details, number of faculty members, activities of NSS and NCC units, academic calendar, research activities, students' achievements in sports and other details are published in college prospectus/annual newsletter/website

Financial assistance received by students

- ✓ Students receive West Bengal Merit Cum Means Scholarship, Post-Matric Scholarship, Kanyashree Prakalpa Scheme Scholarship, UGC Post Graduate Indira Gandhi Single Child Scholarship and DST INSPIRE Scholarship

Support systems available for students

- ✓ Students are encouraged to participate in quiz competition, poster competition and debates
- ✓ Students are taken to different renowned institutes of higher learning to enrich their skill and knowledge
- ✓ Student magazine, "Geolozine" is published by Department of Geology. NSS and other departments display wall magazines prepared by students
- ✓ Expert lectures have been organized by Department of Chemistry to facilitate entrepreneurial skills among the students. The Career Counselling and Placement Unit organized orientation course for students. Some students have proved themselves as successful entrepreneurs
- ✓ Department of Physical Education provides training, diet charts and guidance to enrol oneself in different sports. Every year students participate in annual athletic meet, indoor and outdoor games, inter-collegiate football, volleyball, badminton, and cricket tournaments at different levels and have shown outstanding performance
- ✓ A committee has been formed to cater to the needs of differently abled students
- ✓ The Career Counselling and Placement Unit of the College organizes special lectures, orientation courses, job interview for students to help them explore and identify job opportunities
- ✓ Cell for Gender Sensitization and Prevention of Sexual Harassment against Women at workplace works to address the related issues. Awareness campaigns, posters, notifications and lectures are organized by the cell.
- ✓ The anti-ragging committee ensures zero tolerance to ragging in the college campus and organizes awareness campaign
- ✓ Grievance Redressal Cell has been set up to address internal grievances of stakeholders (if any)

- ✓ Personal counselling by teachers, regular monitoring of students' performance, tutorial classes, parent-teacher meetings and financial assistance by the department/individual faculty members are some of the initiatives of the institution to provide special support to students who are at a risk of failure and drop out
- ✓ Students are encouraged to organize and participate in the annual exhibition
- ✓ The Students' Union, an elected body of students, takes initiative to organize exhibitions, different cultural programs, annual athletic meet and observe important days in the college campus. Important Days such as "Swami Vivekananda Jayanti", "College Foundation Day", "Netaji Jayanti", "Republic Day", "International Mother Language Day", "International Women's Day", "National Yoga Day", "Independence Day", "Teachers' day", are celebrated in the college campus in association with NSS and NCC Units

Criterion VI : Governance, Leadership & Management**Main goals of the institution**

- Imparting best quality education by adopting student-friendly approaches
- Ensuring an atmosphere conducive to teaching and learning
- Preparing students for the competitive world
- Encouraging research activities
- Ensuring women empowerment
- Encouraging active participation in NSS, NCC, sports and cultural activities

Governance, leadership and management

- ✓ The institution is under the direct governance of the Department of Higher Education, Government of West Bengal and therefore involves strict adherence to government directives
- ✓ Governing body involves members from administration, academics, technical field, faculty, non-teaching staff and students' section
- ✓ The Principal/Officer in Charge provides leadership to create a positive working environment in the college
- ✓ Teachers' Council provides advice to the Head of the institution on different matters. It forms sub-committees related to the academic and administrative activities of the college
- ✓ Departments have the liberty to prepare routines, distribute the teaching assignment, schedule class test, and organize special lectures, workshops and seminars
- ✓ The institution involves culture of participative management
- ✓ Faculty members are encouraged to participate in faculty development programmes and apply for different research projects
- ✓ Faculty members are recommended for promotion by IQAC and Head of the Institution on the basis of the performance based appraisal reports

Grants received by the college

The institution receives grant under plan head for furniture, equipment, books & journals, chemicals and glass wares, contingency and sports from State Government. Non-plan funds are also received from the state government for office expenditure, health scheme, electricity, telephone, rates, taxes, travelling allowances etc

IQAC

The Internal Quality Assurance Cell monitors the mechanism of quality assurance in the institution. It organizes departmental visits, analyses the feedback received from alumni, guardians, faculty members and students and provides suggestions to the head of the institution

Criterion VII : Innovations and Best Practices

Green audit

- ✓ College has not conducted any official Green Audit involving external members. Dr. Utpal Singha Roy, Assistant Professor of Zoology and some students of the Department of Conservation Biology performed the detailed study of energy consumption in the college premises and presented the findings at All India Peoples' Technology Congress

Initiatives to make the campus eco-friendly

- ✓ Tree plantation programmes are organized by NSS and NCC Units.
- ✓ "Know Your Campus" committee has been formed for the identification and preservation of the natural resources present in the college campus
- ✓ The campus has been declared "plastic free" zone
- ✓ Medicinal Garden is maintained by Department of Botany
- ✓ Proposal of Rain water harvesting sent for approval to Government of West Bengal

Innovations introduced during last four years

- ✓ Formations of new committees in addition to the sub-committees formed by the Teachers' Council, exchange of views and interactions through social networking groups formed by the departments, publication of annual newsletter and organization of educational tours are the innovations introduced during the last four years which have positively impacted the functioning of the college

✓ Two best practices of the institution

- Sensitization of stakeholders through NSS activities touching upon environmental issues and social responsibilities (eg. Literacy campaign)
- Nurturing of positive aspects of personality development through organization of annual exhibition

II : SWOC Analysis

Strength

- ✓ Faculty members are appointed by the Government of West Bengal under the recommendation of Public Service Commission. This ensures best quality of teaching in the institution. University rank holders (gold medallists) are faculty members of some departments of the college
- ✓ The college, a public-funded institution, offers quality education at a low-fee structure compared to government-aided and private institutes
- ✓ The institution involves a perfect blend of junior and senior faculty members which ensures dynamism and experience. Team work is the main strength of this institution
- ✓ The immaculate understanding among the students and faculty members leads to a strong bonding. Faculty members are easily approachable by the students and take every initiative to provide necessary guidance to the students in all respect. Orientation programme, student seminars, awareness programmes are organized by different departments which strengthens the teacher-student relationship
- ✓ The institution follows CBCS curriculum for undergraduate courses from academic session 2016-17. This has led to the introduction of courses (Generic elective courses) of different subjects with interdisciplinary approach, skill development and ability enhancement courses
- ✓ Department of Conservation Biology is the only of its not only in West Bengal but also in eastern India. Students of this department have got jobs as research biologist in Bombay Natural History Society, as INSPIRE faculty in SACON, as ADFO in West Bengal Forest Service posted in Barjora, Bankura. The subject has interdisciplinary relevance since faculty members from different science departments are involved in teaching and guiding M.Sc. dissertations
- ✓ Computer aided methods of teaching are being increasingly used by different departments. Two departments use special softwares for teaching and preparing post-graduate dissertations
- ✓ Some faculty members are actively involved in research activities. They have been granted different major and minor research projects and publish their work in reputed journals
- ✓ Institution has a huge campus rich in natural resources and different playgrounds. This provides adequate space for different sports activities

Weakness

- ☒ Lack of sufficient classrooms and working space
- ☒ The Professors' lounge for the Arts faculty members and the academic area are not attached, thereby leading to loss of vital teaching time
- ☒ Fluctuating faculty strength due to transfer policy
- ☒ Acute shortage of administrative and technical staff
- ☒ Lack of advanced laboratory equipments due to decline in the grant received from state government over the last three years
- ☒ Computer facilities are quite limited compared to the strength of students in different departments, especially the arts stream
- ☒ Lack of sufficient funds to organize special lectures by external experts on a wider scale
- ☒ Lack of proper funding to purchase sports items

Opportunities

- ✓ Students get the opportunity of hands on training and experience during field work and educational tours
- ✓ The Career Counselling and Placement Unit and different departments organize special lectures, seminars, workshops and conference. Students get the opportunity to interact with experts during these events
- ✓ Postgraduate students get the opportunity to get acquainted with pre-research methodology while preparing their dissertations under the guidance of faculty members
- ✓ CBCS curriculum provides the opportunity of interdisciplinary study
- ✓ Departments of biological sciences have wide opportunity for research since the institution has a huge campus rich in natural resources and Durgapur city has pockets of forested land with active involvement of West Bengal Forest Department
- ✓ Department of Geology has the opportunity for Gondwana research or Precambrian research or research on shear zone mineralization since the institution is located at the fringe area of Damodar Valley Gondwana basins and a Precambrian protocontinental component of Indian peninsular shield mosaic
- ✓ The institution involves Department of Physical Education which offers core courses for different programmes under CBCS curriculum
- ✓ NSS wing of the institution has been working since the early days of the institution. Students get the opportunity to participate in it.

Challenges

- ☒ Shortage of faculty members due to transfer policy of the government and decline in new appointments. Transfer policy is not based on the specialization of faculty members and hence it severely affects the interdisciplinary research activities and implementation of the course curriculum
- ☒ Erosion of roll strength due to the long drawn process of admission to engineering and medical courses. The admission schedule of medical and engineering courses do not match with the admission schedule of the institution. Consequently, students move to these courses after taking admission to this institution.
- ☒ Decline in the funds received under "plan head" of the State Government
- ☒ Non-availability of funds for digitalization of library
- ☒ Non-availability of funds under plan head for repairing damaged instruments and maintenance of the existing equipment
- ☒ Coping with the challenges of running annual and CBCS systems simultaneously during the academic session 2016-17 was a tough test
- ☒ Most of the students admitted to this institution belong to Bengali medium background. The greatest challenge for this institution is to impart the knowledge of communicative English to these students. The institution has applied to the competent authority to start such certificate courses
- ☒ Preventing drop out of girl students due to their early marriages especially in rural areas is a challenge for the institution
- ☒ Gradual decline in the large-scale industries for the last 30 years in West Bengal have severely decreased job opportunities for students
- ☒ Poor attendance of students who travel from considerable distance. College has applied to the government for construction of hostels in the college campus.

SECTION C

PROFILE OF THE COLLEGE

PROFILE OF THE COLLEGE

1. Name and Address of the College

Name	Durgapur Government College
Address	Jawaharlal Nehru Avenue City – Durgapur, District – Bardhaman, PIN – 713214, State – West Bengal
Website	www.durgapurgovtcollege.org

2. Contact details

<i>Principal</i>	
Name	Sanjay Kr. Roy, Officer in Charge
Telephone with STD code	Office: (0343) 250 0932 Residence:
Mobile	+919433563404
Fax	(0343) 250 0932
E-mail	sakura.jishnu@gmail.com dpgovtcollege@gmail.com

<i>Steering Committee Coordinator</i>	
Name	Manjari Ghosh Dr. Nivedita Acharjee
Telephone with STD code	Office: (0343) 250 0932 Residence:
Mobile	+919433216408; +919474150273
Fax	(0343) 250 0932
E-mail	manjarighosh63@gmail.com nivchem@gmail.com

3. Status of the Institution

Affiliated College	<input checked="" type="checkbox"/>
Constituent College	<input type="checkbox"/>
Any other (specify)	<input type="checkbox"/>

4. Type of the Institution

A. By Gender:

- I. For Men
- II. For Women
- III. Co-education

B. By Shift

- I. Regular
- II. Day
- III. Evening

5. Is it a recognized minority institution?

- Yes No

6. Sources of funding:

- Government
- Grant-in-aid
- Self-financing

7. A. Date of establishment of the college

22 – 01 – 1969

B. University to which the college is affiliated/or which governs the college (If it is a constituent college)

Burdwan University, Bardhaman (Till 23rd June 2015)

Kazi Nazrul University, Asansol (From 24th June 2015)

C. Details of UGC Recognition

Under Section	Date	Remarks (if any)
2(f)	07 – 05 – 1971	Vide No. F.13-2/71(CD)
12(B)	Recognized	Documents misplaced, enclosed supporting documents of recognition

(Certificates of recognition u/s 2(f) and supporting documents for recognition u/s 12(B) enclosed)

D. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Not applicable

8. Does the affiliating university Act provide for conferment of autonomy (a recognized by the UGC), on its affiliated colleges?

- Yes No

9. Is the college recognized-

A. by UGC as a College with Potential for Excellence (CPE)?

Yes No

B. for its performance by any other governmental agency?

Yes No

10. Location of the campus and area in sq.mts:

Location	Urban
Campus area in sq.mts.	121405.69267 sq. mtrs. (30 acres)
Built up area in sq.mts.	4310 sq. mtrs.

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

Auditorium/seminar complex with infrastructural facilities			
Sports facilities			
Play ground	<input checked="" type="checkbox"/>	Swimming pool	Gymnasium <input checked="" type="checkbox"/>
Hostel			
Boys' hostel	Girls' hostel	Working women's hostel	
Residential facilities for teaching and non-teaching staff			
Principal's Residence	Duplex bungalow		
Teachers' Quarters	18 number of 3BHK flats		
Non-teaching Staff Quarters	12 number of 1BHK flats		
Cafeteria			
Health Centre			
First aid	<input checked="" type="checkbox"/>	Ambulance	
Inpatient		Outpatient	
Health Centre staff		Emergency care facility	
Qualified doctor		Qualified Nurse	
Facilities like banking, post office, book shops :			
Transport facilities to cater to the needs of students and staff			
Animal house			
Biological waste disposal			
Generator for management/regulation of electricity and voltage			
Solid waste management facility			
Waste water management			
Water harvesting			

12. Details of Courses offered by the College

Programme Level	Name of the Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned Student Strength	No. of Students Admitted
Under-graduate	B.A. Honours in Bengali	Course Duration : Six (6) Semesters	Qualified Higher Secondary/10+2 Examinations of recognized Boards listed in College Website with minimum 50% marks in aggregate and 55% marks in concerned subject	Bengali/ English (whichever applicable for language courses) and Bengali/ English for other courses	40	38
	B.A. Honours in Economics				35	18
	B.A. Honours in English				40	38
	B.A. Honours in History				40	37
	B.A. Honours in Philosophy				40	25
	B.A. Honours in Political Science				40	37
	B.A. Honours in Sanskrit				40	36
	B.A. Programme with Bengali				35	35
	B.A. Programme with Economics				35	5
	B.A. Programme with English				35	22
	B.A. Programme with History				35	22
	B.A. Programme with Philosophy				35	8
	B.A. Programme with Political Science				35	19
	B.A. Programme with Sanskrit				35	16
	B.Sc. Honours in Botany		Qualified Higher Secondary/10+2 Examinations of recognized Boards listed in College Website with minimum 55% marks in aggregate and 60% marks in concerned subject except Geology. For Geology, the entry qualification is 60% in aggregate with Physics, Chemistry and Mathematics combination and 50% in Mathematics.	English	30	25
	B.Sc. Honours in Chemistry				30	27
	B.Sc. Honours in Geology				35	29
	B.Sc. Honours in Mathematics				35	25
	B.Sc. Honours in Physics				35	33
	B.Sc. Honours in Zoology			Bengali/ English	30	26
	B.Sc. Programme with Botany				30	16
	B.Sc. Programme with Chemistry				35	7
	B.Sc. Programme with Mathematics				35	13
	B.Sc. Programme with Physics				35	4
	B.Sc. Programme with Zoology			English	30	27
	B.Com. Honours Programme				80	63
	B.Com. Programme			Bengali/ English	60	37

Programme Level	Name of the Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned Student Strength	No .of students admitted
Postgraduate	M.Sc. in Chemistry	Course Duration : Four (4) Semesters	B. Sc. Honours in the concerned subject	English	20	12
	M.Sc. in Geology				20	12
	M.Sc. in Conservation Biology		B. Sc. Honours in Zoology, Botany, Chemistry, Microbiology, Biotechnology, Biochemistry, Environmental Studies, or other relevant subjects		20	8

13. Does the college offer any self-financed programme?

Yes No

14. Has any new programme been introduced in the college during the last five years?

Yes No

15. List the Departments

Faculty	Departments	UG	PG	Research
Science	Botany	✓		
	Chemistry	✓	✓	
	Conservation Biology		✓	
	Geology	✓	✓	
	Mathematics	✓		
	Physics	✓		
	Zoology	✓		
Arts	Bengali	✓		
	Economics	✓		
	English	✓		
	History	✓		
	Philosophy	✓		
	Political Science	✓		
	Sanskrit	✓		
Commerce	Commerce	✓		
	Physical Education	✓		

16. Number of Programmes offered under

- | | | |
|---------------------|----|---|
| A. Annual System | 17 | (for academic sessions 2014-2015 and 2015-2016) |
| B. Semester System | 30 | (wef academic session 2016-2017) |
| C. Trimester System | NA | |

17. Number of Programmes with

- | | |
|-------------------------------------|----|
| A. Choice Based Credit System | 30 |
| B. Inter/Multidisciplinary Approach | NA |

18. Does the college offer UG and/or PG programme in Teacher Education?

Yes No

19. Does the college offer UG or PG programme in Physical Education?

Yes No

Physical Education is taught as General paper under B.A./B.Sc. annual system and core paper for different B.A./B.Sc. Programmes under CBCS system

20. Number of teaching and non-teaching positions in the Institution

Position	Teaching Faculty						Non-teaching staff		Technical Staff	
	Professor		Associate Professor		Assistant Professor					
	*M	**F	*M	**F	*M	**F	*M	**F	*M	**F
Sanctioned by the UGC / University / State Government	03 (WBSES)		97*** (WBES)				48		01	
Recruited	00	00	12	06	27	24	14	06	01	00
Yet to recruit	03		28				28		00	
Sanctioned by the Management/ society or other authorized bodies****	---	---	---	---	---	---	---	---	---	---
Recruited	---	---	---	---	---	---	---	---	---	---
Yet to recruit	---	---	---	---	---	---	---	---	---	---

*M-Male **F-Female

*** Teachers are recruited under West Bengal Education Service (WBES) in the post of Assistant Professor at the entry point. Subsequent upon their selection under CAS, they are promoted to the post of Associate Professor.

**** Being directly governed by the Government of West Bengal in its Higher Education Department, all teaching and non-teaching posts of the college are sanctioned and filled by the government.

21. Qualifications of the Teaching Staff

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	*M	**F	*M	**F	*M	**F	
Permanent Teachers							
D.Sc./D.Litt.	---	---	00	00	00	00	00
Ph.D.	---	---	05	02	12	10	29
M.Phil.	---	---	00	01	00	03	04
PG	---	---	07	03	15	11	36
Temporary Teachers							
Ph.D.	---	---	---	---	---	---	---
M.Phil.	---	---	---	---	---	---	---
PG	---	---	---	---	---	---	---
Part-time Teachers							
Ph.D.	NA	NA	03 (Male)	+ 02 (Female)			05
M.Phil.	NA	NA	01 (Male)	+ 04 (Female)			05
PG	NA	NA	09 (Male)	+ 04 (Female)			13

*M-Male **F-Female

22. Number of Visiting Faculty/Guest Faculty engaged with the College

Nil

23. Furnish the number of the students admitted to the college during the last four academic years

Academic Year→	2015-16		2014-15		2013-14		2012-13	
Category ↓	*M	**F	*M	**F	*M	**F	*M	**F
SC	127	101	113	98	213	135	256	271
ST	25	28	15	16	29	35	92	51
OBC	43	38	38	32	42	30	0	0
General	503	450	709	595	694	795	758	893
Others (PC)	0	0	0	0	0	0	4	1

*M-Male **F-Female

24. Details on student's enrollment in the college during the current academic year

Type of students	UG	PG	Total
Students from the same state where the college is located	688	32	720
Students from other states of India	00	00	00
NRI students	00	00	00
Foreign students	00	00	00
Total	688	32	720

25. Dropout rate in UG and PG (average of the last two batches)

UG PG

26. Unit Cost of Education (for financial year 2015-16)

A. Including the salary component B. Excluding the salary component

27. Does the college offer any programme/s in distance education mode (DEP)? Yes

Yes No

College has MOU agreement with Netaji Subhash Open University and two units of the University function from the College Campus with active participation of faculty members in different academic activities. Two faculty members act as coordinators of these units.

A. Is it a registered centre for offering distance education programmes of another University?

Yes No

B. Name of the University which has granted such registration

C. Number of programmes offered

D. Do the programmes carry the recognition of the Distance Education Council?

28. Teacher student ratio for each of the programme/course offered

Programme Level	Name of the Course	Teacher Student Ratio
Under-Graduate	B.A. Honours in Bengali	1:27.0
	B.A. Honours in Economics	1:13.5
	B.A. Honours in English	1:18.2
	B.A. Honours in History	1:25.2
	B.A. Honours in Philosophy	1:19.3
	B.A. Honours in Political Science	1:18.2
	B.A. Honours in Sanskrit	1:26.4
	B.A. Programme with Bengali	1:8.8
	B.A. Programme with Economics	1:5.5
	B.A. Programme with English	1:3.2
	B.A. Programme with History	1:8.2
	B.A. Programme with Philosophy	1:7.0
	B.A. Programme with Political Science	1:5.7
	B.A. Programme with Sanskrit	1:2.6
	B.Sc. Honours in Botany	1:15.0
	B.Sc. Honours in Chemistry	1:5.5
	B.Sc. Honours in Geology	1:6.9
	B.Sc. Honours in Mathematics	1:27.5
	B.Sc. Honours in Physics	1:11.2
	B.Sc. Honours in Zoology	1:5.4
	B.Sc. Programme with Botany	1:4.3
	B.Sc. Programme with Chemistry	1:1.8
	B.Sc. Programme with Mathematics	1:3.0
	B.Sc. Programme with Physics	1:1.2
	B.Sc. Programme with Zoology	1:2.1
Postgraduate	B.Com. Honours Programme	1:32
	B.Com. Programme	1:2.7
	M.Sc. in Chemistry	1:4
	M.Sc. in Geology	1:1.7
	M.Sc. in Conservation Biology	1:3.7

29. The college is applying for

Accreditation: Cycle1 Cycle2

30. Date of Previous Accreditation

Cycle1 – 31 – 03 – 2007 Accreditation Outcome/Result – B⁺⁺

(Copies of accreditation certificate is annexed)

31. Number of working days during the last academic year

250

32. Number of teaching days during the last academic year

196

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

02 – 07 – 2007

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (i) [2010-2011] 17 – 03 – 2016

AQAR (ii) [2011-2012] 17 – 03 – 2016

AQAR(iii) [2012-2013] 17 – 03 – 2016

AQAR (iv) [2013-2014] 17 – 03 – 2016

AQAR (v) [2014-2015] 17 – 03 – 2016

AQAR (vi) [2015-2016] 23 – 12 – 2016

SECTION D

CRITERIA-WISE INPUTS

- Chapter 1 Criterion I: Curricular Aspects
- Chapter 2 Criterion II: Teaching, Learning and Evaluation
- Chapter 3 Criterion III: Research, Consultancy and Extension
- Chapter 4 Criterion IV: Infrastructure and Learning Resources
- Chapter 5 Criterion V: Student Support and Progression
- Chapter 6 Criterion VI: Governance, Leadership & Management
- Chapter 7 Criterion VII: Innovations and Best Practices

CRITERIA-WISE INPUTS

CRITERION I CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders

Vision

The laying of the foundation stone of Durgapur Government College on 22.01.1969 was the follow-up of an effort to set up a co-educational government-funded institution of higher education at the gradually emerging industrial town of Durgapur. The College, besides being the first institution of its kind in town, was the only Government College not only in the home district of Burdwan (now officially known as Bardhaman), but also in the neighbouring districts of Bankura, Purulia and Birbhum. The College initially offered Humanities courses, and gradually expanded its horizon through introduction of subjects in demand. The institution began with a dream of cultivating students with the best education possible, instilling values to go forth into the world as good human beings, and to be equipped to meet the challenges of the world outside the campus walls. Presently, Durgapur houses a number of government-aided and private colleges. Durgapur Government College continues to function in Durgapur as the only public-funded institution offering degrees primarily at the undergraduate level at nominal tuition fees, with an aim to include and empower students from various categories of society and from remote rural areas.

Mission

Fostering an enduring sense of discipline and dedication in addition to the intellectual, moral and cultural development is the overall mission of Durgapur Government College. The members of the staff offer their best to help students to keep in sync with the competitive world by providing quality higher education to ensure their smooth absorption into the subsequent phases of life. The focus is on overall personality and skill development in a healthy academic atmosphere inside classrooms and on campus. A lot of thought goes in organizing activities for cohesion among staff and students hailing from diverse socio-cultural and economic background.

Objectives

- a. Holistic development of young adults enrolled as students
- b. Providing Quality Higher Education and taking care of intellectual, social, economic, emotional needs of students
- c. Adopting student-friendly approaches to teaching and learning as far as practicable
- d. Encouraging faculty members to participate in conferences, seminars, workshops and other faculty development programmes to enrich and update their academic and administrative knowledge and capacity building
- e. Kindling interest in students not only in their subjects but also in related fields and help them ramify and diversify areas of interest
- f. Encouraging standard research activities of faculty members and students. College involves specifically a Research sub-committee which works together with IQAC for this purpose
- g. Organising Career Counselling sessions for students and making provisions for campus recruitment to avail of job opportunities irrespective of religion, caste, gender etc have been initiated. A sub-committee of the Teachers' Council relating to Career Counselling and Placement of students works in this respect.
- h. Encouraging participation of Faculty in discussions to teach students with different learning paces
- i. Facilitating Differently-abled students easy access to classrooms and learning
- j. Imparting training to members of the non-teaching staff to utilize computer facilities in documentation
- k. Overall personality development of the students through NSS, NCC, sports, cultural and other co-curricular activities. The College runs separate units for NSS, NCC and Physical Education.
- l. Overall development of an ethical sense and increasing awareness in terms of gender sensitization, cleanliness, environmental protection etc.
- m. Inculcation of value-orientation in students through the promotion of a sensitive attitude towards one's surrounding and culture
- n. Promotion of leadership qualities
- o. Organising Awareness Programmes to teach proper use of toilets and maintaining a clean and hygienic atmosphere in the campus, as well as in their life outside the campus
- p. Sensitizing all stakeholders to preserve resources of the college and its surroundings
- q. Making the campus a plastic-free zone

The overall vision, mission and objectives of the institution are communicated to the stakeholders in the following manner:

- a. College Website

- b. Notice Board (Central as well as in different departments)
- c. Meetings of Teachers' Council and other sub-committee meetings followed by implementation of the resolutions
- d. Meetings and interactive sessions with teaching and non-teaching staff
- e. Parents'-Teachers meetings
- f. Orientation programmes for students in some departments
- g. Observance of important events to sensitise stakeholders regarding their heritage, culture and their commitment towards the nation
- h. College Prospectus
- i. Newsletter

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s)

Undergraduate Courses

The College, being governed by the prescribed syllabus of the parent University at the UG level, does not have any autonomy in designing its own academic programmes. However, the college adopts several methods to ensure successful implementation of the curriculum.

- Students are given details of teaching assignment of each teacher at the beginning of a session
- Students are made familiar with the Academic Calendar of the affiliating university, so as to be mentally ready for the university examinations as scheduled
- Students are informed about the Academic Calendar of the college notifying the probable dates of internal examinations, curricular and co-curricular activities, and vacation periods
- Class Tests/Surprise Tests are held after completion of a section of the syllabus and periodic review of performance of students is undertaken
- Interactive sessions with students and, sometimes with guardians are held to identify problem areas



Fig. 1.1. Gargi Mukhopadhyay, Head, Department of Political Science, interacting with students and guardians in a meeting



Fig. 1.2. Samapti Saha, Head, and Dr. Debasis Chakraborty, faculty, Department of Economics, addressing guardians in Parents' teacher meeting

- Individual departments organize educational tours, field trips to supplement classroom teaching



Fig. 1.3. Dr. Bhumika Kanjilal, Head, and Sujoy Gayen, Faculty, Department of Philosophy, with students during educational tour to Belur Math, Ramakrishna Mission, Belur



Fig. 1.4. Students of Department of Botany listening to lecture at Central National Herbarium, Botanical Survey of India, Shibpur, Howrah

- Lectures are often delivered with power-point presentations and experimental demonstrations in practical classes for science subjects
- Arts departments like Sanskrit, English, History, and Philosophy also use PPT as a teaching method



Fig. 1.5. Sudeshna Dey, Faculty, Department of Sanskrit delivering lecture to students in seminar room

- Regular field-training programmes are organized in different parts of India for field-based subjects



Fig. 1.6. Students of B.Sc. (Hons) First Year, Department of Geology acquiring field data during field training programme

- The Department of English has already initiated open air classes in the campus and also, includes fun and other activities in their lesson plans to make learning interesting



Fig. 1.7. Open air class taken by Dr. Nilanjana Chatterjee, Department of English

- Tutorial classes are held in some departments within class routine hours for which separate attendance registers are maintained
- Initiative is taken by departments to address problems of slow learners, generally beyond class hours
- Wall Magazines play a crucial role in teaching-learning



Fig. 1.8. Wall Magazine of Botany Department

- Social net-working sites constructed exclusively for the concerned department are used for interaction between faculty and students. The Department of English has a Facebook account, 'DGC Eng' for this purpose. A Blog is to be included soon where exchange of ideas can take place on academic, social and other relevant issues



Fig. 1.9. Facebook account "DGC English" of Department of English

Postgraduate Courses

Of the three postgraduate courses taught in this institution, the departments of Geology and Conservation Biology enjoy academic autonomy in postgraduate teaching, and freedom to design and implement their course curricula. The postgraduate department of Chemistry has no autonomy for the designing of course curriculum.

- The postgraduate students are specially trained to handle assignments, open-house seminars and dissertation to prepare themselves for academic research in future. After initial training the students of the departments of Geology and Conservation Biology have to acquire field data



Fig. 1.10. A Post graduate student of Department of Geology delivering talk in student seminar

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

- Parent University issues circulars to keep affiliated colleges informed about the date of commencement of classes, number of teaching days, number of classes for each course, date of marks submission for Internal Assessments and examination schedule
- Workshops to discuss curriculum designing are organized. National Workshop on CBCS Curriculum was organized by Kazi Nazrul University on 27.05.2016 at TDB College, Raniganj, West Bengal. This workshop was attended by some faculty members of Durgapur Government College
- Workshop on syllabus designing and improvement was organized separately for each department by Kazi Nazrul University in the month of July 2016 for the concerned academic year which introduced and implemented the CBCS. Faculty members of this college attended these workshops
- This information base and the list of holidays provided by the Government of West Bengal are used to prepare the Academic Calendar of the college. 'Lesson plan' of each faculty member is prepared by the concerned Department

Support provided to the teachers for the improvement of teaching-learning process has been briefed in the following section:

- a. The College has successfully developed Optical Fiber (unmanaged) LAN (star topology) extending the internet facility for some departments/areas in the college through Wi-Fi system. Students (especially of science and commerce departments) and faculty members can access internet through this system. For faculty members of Arts stream, internet facility is available in teacher's room and library. A centralized computer facility with one Assembled Server with 15 hours power backup, ten (Dell) and ten assembled Desktop Personal Computers has been installed. These facilities provide easy access to extensive online information required for teaching and learning
- b. Faculty Members have access to the seminar hall equipped with LCD Projector and internet facilities. Different classes, especially for the generic courses which involve appreciable student strength and use of PPT, are conducted in the seminar hall/virtual classrooms.
- c. The college authority encourages faculty members to participate in different workshops, orientation programmes, refresher courses and other faculty development courses for their knowledge enrichment and skill enhancement.
- d. Virtual Classrooms (02) provide online teaching-learning facilities in the College
- e. Whereas Science and Commerce departments have separate Staff Rooms and tables for study, study cubicles for individual teachers of the Arts departments are being set up to facilitate study

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the curriculum provided by the affiliating University or other statutory agency.

- Improvement of physical infrastructure to provide more academic space than before to improve the curriculum delivery system
- College office shifted from the main academic building to a new administrative block
- Construction of a new library building during the last two years to make provisions for housing more books and journals and to provide better reading space for students and teachers
- Construction of 02 auditoriums (which are also Virtual class rooms) for holding seminars and workshops
- Relocation of the Teachers' Common Room in the administrative block in a more spacious air-conditioned hall
- Installation of Power generators to ensure uninterrupted power supply

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

Collaborative research facilitating networking and interaction with such bodies helps both sides in knowledge exchange and therefore, enrichment. This further leads to a critical analysis of the prescribed curriculum and the recommendation of a modified curriculum, keeping in mind the issues and needs of the present times.

The members of faculty have formal and informal research collaboration with Universities and Research Institutions of national and international repute.

A brief outline of such collaborations is furnished below:

Table 1.1

Name of the faculty member	Name of the collaborator	Institution	Extent of collaboration	Remarks
Dr. Prabir Dasgupta Department of Geology	Dr. Gautam Ghosh and Dr. Kalyan Halder	Presidency University, Kolkata	Joint Research Project	
	Dr. Abdul Matin	Calcutta University	Joint Supervision of Ph. D. Research	
	Dr. Tahar Aloui	University el Manar, Tunisia	Joint Research on Geological Problems of Tunisia	
Dr. Pradip Samanta, Department of Geology	Dr. Subir Sarkar	Jadavpur University	Joint Research Project	

Name of the faculty member	Name of the collaborator	Institution	Extent of collaboration	Remarks
Saubhik Bandyopadhyay Department of History	Dr. Ramkrishna Chatterjee	Institute of Development Studies, Kolkata	Joint work involving subject experts for content analysis and upgradation of secondary level text books of History	
Saubhik Bandyopadhyay Department of History		West Bengal Board of Secondary Education	Course designing, content writing for middle school level History text books	
Dr. Arpita Bose Department of History		National Museum of Copenhagen, Denmark	Involved in project financed by Ministry of Culture and Affairs, Denmark. Invited as Resource Person in a seminar at Denmark	
Kuntal Bhattacharya Department of Zoology	Dr. Subrata Mallik	Burdwan Women's College	Joint publications	
Dr. Tuhin Ghosh Department of Chemistry	Dr. Dipan Adhikary	Hoogly Mohsin College	Joint publications	Collaborations were helpful for the preparation of term paper projects of Chemistry Department prescribed in the postgraduate curriculum of Kazi Nazrul University.
Dr. Nivedita Acharjee Department of Chemistry	Prof. Thierry Prange	Laboratoire de Cristallographie et RMN Biologiques Universite Paris Descartes, France	Analytical Facility [For X-ray Crystallography]	
	Prof. Avijit Banerji	Retired Professor, Department of Chemistry, Calcutta University; Presently Ashutosh Mukherjee Fellow in National Institute for Ayurvedic Drug Development, Kolkata	Research Guidance and Joint publications Reviewer and advisor of published book on "Environmental Studies" written by N. Acharjee in accordance to the University Curriculum.	
	Dr. Bhaskar Chakraborty,	Department of Chemistry Sikkim Government College	Joint publications especially in poster presentations and assistance in M.Sc. Dissertation work.	

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc).

A number of members of faculty of different departments played and continues to play important roles in designing the curricula as members of different Boards of Studies in the Universities of Burdwan and later, Kazi Nazrul University. Durgapur Government College remained affiliated to Burdwan University till the academic year 2014-2015. It is presently affiliated to Kazi Nazrul University from the academic session 2015-2016. Five faculty members were on the UG board of studies and 11 faculty members were on PG Board of Studies of Burdwan University. Five faculty members are on the UG board of studies and 02 faculty members are on PG Board of Studies of Kazi Nazrul University. 02 faculty members are on the syllabus committee of Kazi Nazrul University.

The undergraduate course in Geology affiliated to Kazi Nazrul University is taught only in two institutions, Durgapur Government College and Triveni Devi Bhalotia College, Raniganj. Durgapur Government College was selected as the venue of syllabus workshop by the University. All the faculty members of the department were involved in the preparation of a draft proposal of UG and PG syllabus for approval by the university. Department of Conservation Biology, the only post graduate department in eastern India, sent the draft proposal of syllabus to the university for approval.

The feedback from the students and teachers on course curriculum, examination pattern etc, received from time to time are analysed by the Departments and the proposals for necessary revisions are put forward to the respective Board of Studies of the University for necessary incorporation.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

NO

1.1.8 How does the institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

- Individual Departments review the performance of students in the periodic class tests, surprise tests, evaluation of assignments and, from their ability to answer questions during interactive sessions.

- Tutorial Classes are conducted by some departments to monitor progress of students in small groups
- Slow learners are identified and are provided extra guidance in tutorial classes
- Orientation programmes are organized by Departments of English and Philosophy for first year undergraduate students.
- Guardians are also informed about the attendance and academic progress of their ward through Parents-Teachers' Meetings conducted by individual departments.
- The results of the college examinations are reviewed by the Teachers' Council before recommending students to write their University Examinations
- Feedback from students, parents are taken into serious consideration to determine the viability and success rate of college policies

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.

UGC-Career Oriented Programme "Certificate Course in Corporate Communication", was run by Department of English from 2007 to 2011. Entrepreneurship Development Cell of the College was established and run in collaboration with National Entrepreneurship Network (NEN) from 2008 to 2011. Durgapur Government College has already applied to the Higher Education Department, Government of West Bengal for approval to introduce self-financed certificate courses in communicative English, basic and advanced computer training, tourism, animation and pottery. UGC-Career Oriented Programme "Certificate Course in Wildlife Census technique" was offered in the college from 2009 to 2011.

College has MOU with Netaji Subhas Open University (NSOU) to run courses beyond college working hours, that is, on Saturday afternoons and Sundays. Two study centers presently function from the college campus. Faculty members are involved in teaching and evaluation related duties in these study centers. Regional centre of NSOU will be shortly operating from its new campus adjacent to the college.

1.2.2 Does the institution offer programmes that facilitate twinning/dual degree?

No.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond.

- The institution offers Core/ Elective subjects as many as possible at the UG level within the available infrastructure of the college
- The college allows change of subject within a notified period and as permitted by the parent university
- 02 Virtual Classrooms introduced from the beginning of 2017 have created opportunities for participation and interaction with faculty members/resource persons from other institutions of repute
- Efforts are on to encourage students of different disciplines to listen to lectures on topics of their interest both inside the college and outside

The following core subjects are offered as Honours papers in undergraduate course:

B.A. (Honours): Bengali, English, Economics (Humanities), History, Philosophy, Political Science and Sanskrit

B.Sc. (Honours): Botany, Chemistry, Economics (Science), Geology, Mathematics, Physics, Zoology

B.Com. (Honours): Accountancy

- The same subjects except Geology are offered as Elective subjects. Physical Education is offered as an Elective subject at the UG level.

Choice Based Credit System, range of subject options and Credit Points

Choice Based Credit System for undergraduate course has been introduced in the academic session (2016-2017) by Kazi Nazrul University. For Honours Courses, the Core subject (CC), Generic Elective (GE) subject and Ability Enhancement Compulsory (AECC) subjects are taught under the CBCS system for first and second semesters. Core Courses for each discipline are specific for each semester.

The Generic courses are interdisciplinary and ensure academic mobility as far as practicable. English and Environmental Studies are taught as Ability Enhancement Compulsory courses. Most of the students admitted to this institution belong to Bengali medium background. They face difficulty in coping with English. This is a major hurdle where facing interviews for employment is concerned. The AECC, English proves to be quite helpful for such students. Plans to introduce Communicative English classes are in the pipeline. The preservation of the resources in the campus is ensured through the sympathetic involvement of students working on projects on Environmental Studies. This Ability Enhancement Compulsory Course is included in the first semester to create environmental awareness among the students. Kazi Nazrul University has provided the outline and syllabus for 1st and 2nd semesters, Honours and Programme, till date. Subjects offered in these two semesters are listed below. Credit points are indicated in brackets.

Table 1.2

Department	Sem	Core Courses for Honours Course 1 st Semester: Two Core Courses (CC-I, CC-II) 2 nd Semester: Two Core Courses (CC-III, CC-IV)	Ability Enhancement Compulsory Courses (AECC)
Bengali	I	Bangle Sahityer Itihas (Prachin o Madhya Yug)(6)	Environmental Studies (2)
		Madhyayugener Kobita (6)	
	II	Sanskrito or Engriji Sahityer Itihas (6)	English/MIL (2)
		Bangla Bhashar Itihas (6)	
Botany	I	Phycology, Lichenology (4) + Practical (2)	Environmental Studies (2)
		Mycology, Phytopathology (4) + Practical (2)	
	II	Bryology, Paleobotany and Palynology (4) + Practical (2)	English/MIL (2)
		Morphology and Plant Anatomy (4) + Practical (2)	

Department	Sem	Core Courses for Honours Course 1 st Semester: Two Core Courses (CC-I, CC-II) 2 nd Semester: Two Core Courses (CC-III, CC-IV)	Ability Enhancement Compulsory Courses (AECC)
Chemistry	I	Inorganic Chemistry (Theory) (6)	Environmental Studies (2)
		Organic Chemistry (Theory) (6)	
	II	Physical Chemistry (Theory) (6)	English/MIL (2)
		Organic Chemistry (Lab) (6)	
Commerce	I	Financial Accounting-I (6)	Environmental Studies (2)
		Business Mathematics (6)	
	II	Financial Accounting-II (6)	English/MIL (2)
		Business Statistics (6)	
Economics	I	Microeconomic Theory-I (6)	Environmental Studies (2)
		Macroeconomic Theory-I (6)	
	II	Microeconomic Theory-II (6)	English/MIL (2)
		Mathematical Economics (6)	
English	I	Introduction to English Language and Literature (6)	Environmental Studies (2)
		Introduction to Literary Appreciation (6)	
	II	Renaissance Literature-I (6)	English/MIL (2)
		Renaissance Literature-II (6)	
Geology	I	Earth System Science (6)	Environmental Studies (2)
		Mineral Science (6)	
	II	Elements of Geochemistry (6)	English/MIL (2)
		Structural Geology (6)	
History	I	Greek and Roman Historians (6)	Environmental Studies (2)
		Early History of India (Proto History to 6th Century B.C.E) (6)	
	II	Mauryan and Gupta Empire (6)	English/MIL (2)
		Political History of Early Medieval India (6)	
Mathematics	I	Classic Algebra; Abstract Algebra I (6)	Environmental Studies (2)
		Real Analysis; Integral Calculus (6)	
	II	Linear Algebra; Abstract Algebra II (6)	English/MIL (2)
		Geometry of two and three dimension (6)	
Philosophy	I	Outlines of Indian Philosophy-I	Environmental Studies (2)
		History of Western Philosophical Thoughts-I	
	II	Outlines of Indian Philosophy-II	English/MIL (2)
		History of Western Philosophical Thoughts-II	
Physics	I	Mathematical Methods of Physics-I (6)	Environmental Studies (2)
		Mechanics (4) + Mechanics Lab (2)	
	II	Mathematical Methods of Physics-II (4) + Lab (2)	English/MIL (2)
		Electricity and Magnetism (4) + Lab (2)	
Political Science	I	Political Theory(Liberal Tradition)	Environmental Studies (2)
		Comparative Politics	
	II	Political Theory (Socialist Tradition)	English/MIL (2)
		Comparative Constitutional Systems	

Department	Sem	Core Courses for Honours Course 1 st Semester: Two Core Courses (CC-I, CC-II) 2 nd Semester: Two Core Courses (CC-III, CC-IV)	Ability Enhancement Compulsory Courses (AECC)
Sanskrit	I	Classical Literature (Poetry) (6)	Environmental Studies (2)
		Classical Literature (Poetry with Chhanda) (6)	
	II	Classical Literature (Drama) (6)	English/MIL (2)
		Sahitya Darpan VIth Phase with prose (6)	
Zoology	I	Basic Concept of Taxonomy & Non Chordates I(4)	Environmental Studies (2)
		Principles of Ecology(4)	
		Core Course Practicals (4)	
	II	Non-chordates II: Coelomates (4)	English/MIL (2)
		Animal Physiology (4)	
		Core Course Practicals (4)	

Table 1.3
Generic Elective Courses offered by different departments at the undergraduate level

SI. No.	Department	Semester	Generic Course	Generic Course offered to Honours students of following subjects
1	Bengali	I	Bangla Sahityo o Sanskritir Itihas	English, Sanskrit, Political Science, History and Philosophy
		II	Bhashar Itihas o Bhashatotto	
2	Chemistry	I	Basics in Inorganic and Organic Chemistry	Physics, Botany, Zoology
		II	Elementary Physical Chemistry and Organic Chemistry	
3	Economics	I	Historical Perspective of Indian Economy	History, English, Political Science
		II	Money and Banking	
4	English	I	English Film and Literature	History, Economics and Political Science
		II	Gender	
5	History	I	Theories of the Modern State	Bengali, English, Philosophy, Political Science
		II	Railways and Modern India	
6	Mathematics	I	MBGCT 11	Chemistry, Geology and Economics
		II	MBGCT 21	
7	Philosophy	I	Psychology	Bengali, English, History, Sanskrit and Political Science
		II	History of Western Philosophy	

Sl. No.	Department	Semester	Generic Course	Generic Course offered to Honours students of following subjects
8	Physics	I	Mechanics	Chemistry
		II	Electricity and Magnetism	
9	Political Science	I	Political Theory	English, Bengali, Philosophy, History, Sanskrit, Economics
		II	Comparative Government and Politics	
10	Sanskrit	I	Basic Sanskrit	Bengali, Philosophy
		II	Sanskrit and Modern Indian Language	

For Programme courses of Arts stream, papers of three different subjects are taught. The selection of two subjects is choice based for Arts programme. For programmes belonging to science stream, papers of two subjects are taught. The selection of one subject is choice based for science stream. College provides options for these subjects. Choice based selection of these subjects is considered on the basis of admission merit list and availability of seats.

Table 1.4

Subject options provided for undergraduate programmes under CBCS system

Sl. No.	Programme	Subject options provided
1	B.A. Programme in Bengali/Economics/English/History/Philosophy/Political Science/Sanskrit	Any two subjects from Bengali, Economics, English, History, Philosophy, Physical Education, Political Science, Sanskrit. Combinations not allowed : Philosophy – Sanskrit English - Bengali
2	B.Sc. Programme in Chemistry/Mathematics/Physics	Any three subjects from Physics, Chemistry, Mathematics, Physical Education
3	B.Sc. Programme in Botany/Zoology	One subject from Botany or Zoology and other two subjects from Botany/Zoology, Chemistry and Physical Education.
4	B.Com. Programme	Accountancy

The postgraduate courses in Geology, Chemistry and Conservation Biology are offered on Choice Based Credit System. Besides the core papers there are provisions for major electives. The students have to opt for two major electives each from a set of six options in Semester III and IV respectively. In Semester IV, students of one subject have to choose a minor elective course from a pool of courses offered by other departments.

Courses offered in modular form

The syllabi of undergraduate courses do reflect a pattern whereby the papers are sub-divided into a number of units.

Lateral and vertical mobility within and across programmes and courses

The Choice Based Credit System offers scope for lateral and vertical mobility within and across programmes and courses. The Core papers studied at each semester and the application of the knowledge in the later semesters ensure this mobility. For instance, in Bengali, the Generic Elective paper "Bangla Sahityo o Sanskritir Itihas" is studied by students of Sanskrit, Political Science, Philosophy, History, and English departments allowing movement across disciplines.

Enrichment courses

Proposal for Enrichment courses has been submitted for approval by the Department of Higher Education, Government of West Bengal. UGC-Career Oriented Programme "Certificate Course in Corporate Communication" under the UGC-COP Scheme of the 11th Plan was run by Department of English from 2007 to 2011. Student-friendly seminars, lectures by external experts are organized to enhance knowledge of students. Programmes hosted by Gender Cell, by NSS, NCC units of the college also enrich students.

1.2.4 Does the institution offer self-financed programmes?

The College has applied for permission from the Department of Higher Education, Government of West Bengal (Letter no. DGC/16-17/531/DPI dated 09/01/2017) to conduct self-financed courses with help from experts from local institutions. Self-financed courses may be conducted with prior approval of the Department of Higher Education Department, Government of West Bengal since the College is governed by the financial rules of the State Government.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets?

Entrepreneurship Development Cell was established and run in collaboration with National Entrepreneurship Network (NEN) – a non-profit organization under the Wadhwani Foundation, Mumbai from 2008 to 2011.

The College presently has a Career Counselling and Guidance and Placement Unit helping students towards professional success with a sense of confidence, optimism and happiness. It offers walk-in hours Mon-Fri, 11 a.m. to 5 p.m. in the Career Placement Office (except during summer and winter break). Students who seek career advising, internship, job search or

resume questions can schedule an appointment by sending emails to careerguidanceplacementcell@gmail.com or connect with the Cell on Facebook.

- The Unit organized special lectures by resource persons of different fields in the orientation course on 20.01.2017.
- Special Lecture by Prof. Avick Biswas, Centre for Archaeological Studies and Training Institute was organized on 08.02.2017.
- First Phase interview for recruitment of final year Chemistry Honours students by "East India Pharmaceuticals Ltd" was organized by the unit on 10.01.2017.
- The Unit is planning to organize workshop to develop the skills of students in association with Centre for Archaeological Studies and Training Institute in future.

1.2.6 *Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice" If yes', how does the institution take advantage of such provision for the benefit of students?*

The prevailing system of the university does not provide such opportunity of combining face-to-face mode with distance mode of learning.

1.3 Curriculum Enrichment

1.3.1 *Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?*

In addition to the dissemination of the state-of-the-art knowledge within the broad contours of the curriculum, various community outreach programmes (under the banner of National Service Scheme, National Cadet Corps, Gender Cell and Career Counselling Unit of the college) are organized at regular intervals, to supplement the University curriculum. Efforts to promote eco-friendly practices, sustenance of right discourse, democratic consensus building through Students' forums etc. are the necessary knowledge inputs outside the purview of regular curriculum. Annual educational exhibition, seminars, debate, quiz, sports, cultural programmes and other such co-curricular activities create an ambience for holistic education.

1.3.2 *What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?*

Following are some of the efforts made by the institution to enrich and organize the curriculum so that students can acquire experience and skill to cope up with the needs of the dynamic employment market:

- a. Educational tours are organized by different departments.**
- b. Field Work conducted by different departments:** In case of field based subjects, the situation is more flexible, the teachers have the freedom to expose the students to various aspects beyond the scope of the classroom teaching as per the prescribed curriculum.
- c. Biodiversity study for EIA:** Students of Department of Conservation Biology Department carried out a biodiversity study near Gorpanchakot, of Panchet Reservoir, Dist. Purulia, West Bengal as a part of Environmental Impact Assessment (EIA) work conducted by Ministry of Environment, Government of India. It helped them to acquire knowledge and skill. Please refer to Ans. 3.4.1. of Chapter 3 for details.

1.3.3 *Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?*

The course curricula of various disciplines have the inherent scope of integration of some of these cross-cutting issues.

Themes related to gender studies and human rights are addressed in the prescribed courses in Literature (Bengali, English, Sanskrit), Political Science, History, Economics and Environmental Studies.

The institution has an active 'Gender Sensitization and Prevention against Sexual Harassment (CGSPSH) Cell' which addresses these issues.

The Committee for Gender Sensitization and Prevention against Sexual Harassment at Workplace came into being in Durgapur Government College a decade ago, on November, 2006, in compliance with the guidelines on sexual harassment prevention in the workplace, issued by the Honourable Supreme Court of India in 1997. It was then called the Cell for Gender Sensitization and Sexual Harassment Protection. Its primary objective was sensitization and creation of awareness about gender justice among the academic and non-academic community in this educational institution. From the day of its inception, the cell was very active in its stated purpose. The members emphasised upon conducting regular campaigns and workshops among students to make them aware of the evils of gender discrimination and the ways to alleviate them so as to create a balanced and equitable working environment for all. Along with this, the cell had often organized seminars, and interactive sessions with eminent speakers and activists in the past. While such programmes saw a large number of attendees both from the teaching and student community, sometimes students became active participants when they made posters for competition or for exhibition, or worked as student volunteers. The members of the said cell had also propagated their ideas through the Notice Board of the said cell.



Fig. 1.11. Women volunteers of the Gender Sensitization subcommittee interacting with visitors in the Annual Exhibition of 2012.

This subcommittee is entrusted with spreading awareness about gender equality and prevention of sexual harassment at workplace following the VISHAKHA guideline of Supreme Court and endorsed in SAKSHAM report of the University Grants Commission. Presently, the cell has been going through a phase of reconstitution necessitated by the guidelines called

Saksham, issued by the UGC as measures for ensuring the safety of women and programmes for gender sensitization on campuses. Plans for gender sensitization through more workshops, and interactive sessions, putting up a wall magazine by students and organizing self-defence workshops for girl students are already underway.

Table 1.5

The activities of the cell are given below:

Sl. No.	Year	Activity
1.	2007	The cell publicized the policy of Zero Tolerance against Sexual Harassment adopted by the college by putting it up on the notice board at the entrance of the main college building.
2.	Aug. 2007	Workshop organized in the college campus for creating awareness among the students about gender discrimination and sexual harassment.
3.	Nov. and Dec. 2007	Several members of the teaching faculty who were members of the cell participated in gender sensitization and implementation of supreme court guidelines workshops outside, like in Jadavpur University or in Durgapur Women's College.
4.	Feb. 2008	State level seminar on 'BiponnoNari: Pratibaad O Protirodh' (Endangered Women: Protests & Preventions) was organized by the cell in the college premises.
5.	August, 2008	State level UGC sponsored workshop on 'Equality-Inequality in India: Through the lens of Gender' was organized by the cell members.
6.	Nov. 2008	The cell took an initiative to organize an interactive session with the students by SANHITA, an NGO, on the topic of 'Reproductive Health of Women'
7.	Nov. & Dec. 2008	Members of cell participated in seminar on 'Women and Law' at Jadavpur University and in conference on 'Renegotiating Intimacies: Marriage, Sexualities and Living Practices' organized in Rabindra Bharati University.
8.	October, 2012	Cell members along with student volunteers participated in the Annual Exhibition of the College by organizing a display of awareness literatures. The Cell also conducted a survey among its visitors on sexual harassment
9.	Dec, 2012 & Jan. 2013	<ul style="list-style-type: none"> a) Poster in campus protesting and condemning the brutal gang rape and murder of Nirbhaya at New Delhi in December, 2012. b) Special gathering was organized on 08.01.2013 in view of the rising atrocities against women throughout the country
10.	Jan. 2013	A lecture cum interactive session on "Gendering and its Remedies" with eminent social activist Prof. Saswati Ghosh was organized on 16.01.2013 within the college premises which was attended by representatives of various high schools and colleges along with the teachers, students and staffs of the college.

Sl. No.	Year	Activity
11.	March, 2013	a) Postering was done to commemorate 8 th March, the International Women's Day. b) Poster competition among students of the college to mark the International Women's Day.
12.	Sept. 2013	a. A lecture cum interactive programme by members of the cell on the topic of Gender Sensitization among B.A. & B.Sc. students was conducted. b. Cell members conducted a small survey on women empowerment at the NGO, P.C. Roy Institute of Entrepreneurship Development and published their findings on the college journal COMMUNIQUE, on its March, 2014 issue.
13.	Dec. 2013	An awareness programme on Female Foeticide was organized by the cell in collaboration with a Government registered NGO SPEED, Burdwan.
14.	Nov. 2013 to March 2014	Displays on the Notice Board regarding the objectives of the cell and the Vishakha Guidelines, Gender Equality and International Women's Day.
15.	Jan. 2015 to Oct. 2015	Displays on the Notice Board featured an obituary on Prof. Jasodhara Bagchi, one of the pioneers on women's rights in Bengal, the salient features of the Saksham Report of UGC and on International Women's Day.
16.	Dec. 2015	A poster exhibition by primarily student volunteers from the department of Chemistry on Acid Attack on women and its Remedies was put up as part of the Annual Exhibition in the college premises.
17.	March. 2016	A seminar widely participated by the students, teachers and staffs of the college was organized by the members of the cell to uphold the rights of women on the International Women's Day.
18.	May 2016 to Nov. 2016	The members of the cell carried on a class campaign building awareness on gender sensitization among students of different departments.
19.	2017	The committee has done a survey among the students on 'sexual harassments' at the college level during the annual exhibition on 2 and 3 January, 2017. It plans to start a campaign on the same issue shortly. Besides, the committee members have started class campaigning on gender equality from 31 st of January, 2017

Aspects of climatic issues, environmental protection, and disaster management are included in courses of Geology, Environmental Studies and Biological Sciences. The NSS unit of this College works sincerely to organize seminars, lectures and launches awareness campaigns for environmental protection and conservation of natural resources. Environmental projects are completed every year by the final year undergraduate students under

the guidance of different faculty members. Departments of Zoology and Conservation Biology organize field works related to environmental issues for students.

Benefit of 02 virtual classrooms has recently been provided by the institution for teaching. Power-point presentations, educational videos, films included in curriculum of English Literature are presented by LCD projectors in seminar hall of the College. Students can access internet facility available in the college premises to access the larger spectrum of knowledge through internet.



Fig. 1.12. Students using computer/internet facilities in college library

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

Moral and ethical values:

- The College impArts value education to the students through establishing active links with the society through different outreach programmes of National Service Scheme, National Cadet Corps activities, Orientation, Value Education and Stress management programmes arranged by the Career Counselling Unit of the College.
- Some departments engage in gardening, either for a cathartic effect or to build up a medicinal garden in the campus. The emphasis is also on growing organic vegetables for sensitization on environmental and health issues. The close contact with resources of the campus strengthens the bonding with the institution.

Employable and life skills: Different departments organize career counselling sessions to make the students aware of the various career options available to them. The Career Counselling Unit of the College works to develop employable skills among the students.



Fig. 1.13. Dr. Suprakash Roy, from Dept of Technical Education and Training, Government of West Bengal delivering lecture on "Entrepreneurship in Chemistry and related areas in the seminar organized by Department of Chemistry

Community orientation: The College has adopted two villages Uttarpalli and Dangapara under the NSS programme. NSS volunteers of this college regularly visit these villages, interact with the villagers, conduct surveys, organize cleanliness and other awareness programmes, work to improve the literacy rate (especially of the children), hygiene etc. Please Refer to Chapter 3 for detailed list of activities of NSS unit.

1.3.5 Citing a few examples, enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum.

- The faculty members from the college on the Syllabus Committee of the parent university have the scope of designing and making modifications in the syllabus when it is reviewed by the university.
- Departments with no representation on the syllabus committee do not have any direct scope for curriculum enrichment at the undergraduate

level. Informal talks with members on the Committee do help. For instance, as per university directive, the Generic Elective subjects, 'Literature and Film' and, 'Gender Studies' can only be offered by the Department of English to the students of departments other than English of 1st and 2nd Semester respectively. The Department of English of Durgapur Government College initiated informal discussions with BOS and Syllabus Committee members of English to highlight the flaw in such a decision, maintaining that Film Studies and Gender Studies are integral parts of Literature. Informal assurance has been given for necessary modifications in the curriculum of English.

However, improved methodology in curriculum implementation is quickly adopted as per the feedback received.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

- IQAC gives a questionnaire to all the departments and gives a deadline for submission of data
- IQAC analyses data provided by the departments and decides on guidelines for future action
- IQAC visits departments as per a schedule prepared by them and holds discussions with departments, gives advice highlighting the areas where work needs to be done
- IQAC also conducts academic audit to monitor and evaluate the quality of its enrichment programmes
- The college authority initiates steps based on the Report provided by the IQAC
- Awards have been introduced from 2017 to encourage standard and innovative steps taken by departments/Cells/Units

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

- The undergraduate programmes of the institution are governed by those prescribed by the affiliating University and the College does not have any autonomy in designing its own academic programmes. The teacher members on different Board of Studies and Syllabus Committee of the affiliating University, however, play a major role in designing the university curriculum
- Departments of Geology and Conservation Biology are the sole postgraduate departments of the affiliating university. All Faculty members of the concerned departments are actively involved in the design and development of the curriculum.
- Faculty members of Department of Chemistry actively participated in the syllabus workshop for PG course at the university.
- In postgraduate programmes, provisions for individual assignments, open-house seminars and dissertation add new dimensions in helping the students in self-learning process
- The courses under CBCS introduced by Kazi Nazrul University in all its affiliated colleges from the academic session 2016-2017 were broadly designed by faculty members of all affiliated colleges at Workshops conducted on different days for different departments.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

The formal system of obtaining feedback was restored in 2016 after a break of some years.

- Feedback forms are provided to students, guardians, faculty and alumni. The institution provides separate feedback form for library users.
- Based on the views/data/suggestions/criticism obtained from feedback forms, the institution takes initiative to improve the methods adopted in the delivery of curriculum. For example, use of power-point presentations, tutorial classes for students, special care for slow learners, encouraging the research interest areas of post graduate students etc were some of the steps adopted by the institution in this respect
- Proposal for self-financed courses has been made based on student requirement as stated in Feedback forms.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?

No new programme was introduced during the last four years. College has applied for approval to the Department of Higher Education, Government of West Bengal, for introduction of following courses:

1. Honours Course in Physical Education
2. Certificate Course in Communicative English, Basic and Advanced Computer training, Animation, Pottery, Tourism

CRITERION – II

TEACHING, LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

- I. The Admission sub-committee, which works in conjunction with the College office headed by the Principal, supervises the entire admission process each academic year. For each academic session, the Admission sub-committee is constituted by the Teachers' Council of the College. The sub-committee preserves detailed and relevant documents related to the admission process.
- II. Information related to admission process is notified on the college website, www.durgapurgovtcollege.org. Hard copies of these notifications are also put up on the College Notice Board. Notifications mainly cover the following aspects of admission process:
 - a. Courses offered
 - b. Eligibility criteria for admission
 - c. Intake capacity of each course with category-wise break-up of seats
 - d. Fee structure
 - e. Dates of application
 - f. Detailed procedure for application
 - g. Probable Date of Publication of Provisional Merit List
 - h. Dates of counselling
 - i. Dates for admission of students to the courses offered by the college
- III. The admission process is online. Applications for admission are received online after applicant's submission of application fees at the bank notified by the college
- IV. Admission is strictly based on merit
- V. Provisional Merit list for each subject is published on the College website
- VI. Dates are fixed to report of anomaly, if any, in the Merit List
- VII. Counselling takes place on the basis of provisional merit list

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) into various programmes of the Institution.

Admission tests/Interviews are not conducted for the purpose of selection of candidates. Merit, as reflected in the performance in the last public examination passed, is the only criterion for selection. After receiving the

online applications, Merit lists are generated by the Admission Committee and through outsourcing on the basis of calculation of **Merit Index**.

Merit Index is calculated in the following way.

A. Calculation of Merit Aggregate:

For Boards with two Compulsory Languages:

AGGREGATE = Total of marks in First Language, Second Language and best three of the remaining subjects (excluding Compulsory Environmental Studies).

For Boards without compulsory Second Language:

AGGREGATE = Total marks in English and best four of the remaining subjects (excluding Compulsory Environmental Studies).

MERIT AGGREGATE represents the percentage aggregate marks.

[10%, 7.5% and 5% of the Merit Aggregate is subtracted for candidates, who passed the qualifying examination during the last three consecutive years respectively]

For Vocational Boards:

The Five Best Marks of the relevant subjects are considered according to the guideline of the affiliating University. Merit Aggregate represents the percentage aggregate of five best marks.

B. Merit Index Calculation for Honours Subjects:

Merit Aggregate is expressed in percentage; Marks in a subject means marks secured at the 10+2 level Board/public examination.

Table 2.1

Honours Subject	Merit Index
Accountancy	Merit Aggregate + Marks in Accountancy/Mathematics/ Business Mathematics
Bengali	Merit Aggregate + Marks in Bengali
Botany	Merit Aggregate + Marks in (Biology +Chemistry)
Economics	Merit Aggregate + Marks in Economics/Mathematics
English	Merit Aggregate + Marks in English
Chemistry	Merit Aggregate + Marks in Chemistry
Geology	Merit Aggregate + Marks in (Mathematics + Chemistry +Physics)
History	Merit Aggregate + Marks in History
Mathematic	Merit Aggregate + Marks in Mathematics
Philosophy	Merit Aggregate + Marks in Philosophy
Physics	Merit Aggregate + Marks in (Physics + Mathematics)
Political Science	Merit Aggregate + Marks in Political Science
Sanskrit	Merit Aggregate + Marks in Sanskrit
Zoology	Merit Aggregate + Marks in (Biology +Chemistry)

- Rules and regulations as notified by the government are observed while selecting candidates belonging to reserved categories.

The following was the eligibility criteria for admission during the academic session 2016-2017.

Table 2.2 : Humanities Courses

Disciplines of CBCS Honours & Regular Programmes	Minimum Eligibility	
	Aggregate	Subject Concerned
Bengali	50 %	55 % in Bengali
Economics	50 %	For candidates having Economics in HS/equivalent: 55 % in Economics For candidates not having Economics in HS/equivalent : 55 % in Mathematics
English	50 %	55 % in English
History	50 %	55 % in History
Philosophy	50 %	55 % in Philosophy
Political Science	50 %	55 % in Political Science
Sanskrit	50 %	55 % in Sanskrit

Table 2.3 : Science Courses

Disciplines of CBCS Honours & Regular Programmes	Minimum Eligibility	
	Aggregate	Subject Concerned
Botany	55 %	60 % in Chemistry
Chemistry	55 %	60 % in Chemistry
Economics	50 %	For candidates having Economics in HS/equivalent: 55% in Economics For candidates not having Economics in HS/equivalent: 55% in Mathematics
Geology	60 %	Combination of Mathematics, Physics, Chemistry in HS or equivalent; 50 % in Mathematics
Mathematics	55 %	60 % in Mathematics
Physics	55 %	60 % in Physics and 50 % in Mathematics
Zoology	55 %	60 % in Biology, Pass marks in Chemistry

Table 2.4 : Commerce Course

Disciplines of CBCS Honours & Regular Programmes	Minimum Eligibility	
	Aggregate	Subject Concerned
Accountancy	55 %	For candidates with Commerce in HS/equivalent: 60 % in Accountancy For candidates without Commerce in HS/equivalent: 60 % in Mathematics / Business Mathematics

- The schedule for Counselling is then notified on the College Website and College Notice Board on the basis of Merit List published.

Admission to the Postgraduate Programmes:

Admission to the postgraduate programmes is conducted by the affiliating University. After getting admitted at the university, the students report to the college for their enrolment. Fees for admission are paid at the university concerned.

Following is the eligibility criteria defined by the University for PG courses.

Table 2.5

PG Course	Eligibility criteria to apply at Kazi Nazrul University (2016-2017)
M.Sc. Chemistry	B. Sc. Hons. in the concerned subject
M.Sc. Conservation Biology	B. Sc. Hons. in the concerned subject
M.Sc. Geology	B. Sc. Hons in Zoology, Botany, Chemistry, Microbiology, Biotechnology, Biochemistry, Environmental Studies, or other relevant subjects

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

Data for academic year 2015-2016 of Durgapur Government College has been compared with the data of other colleges in Table 2.6.

Table 2.6

Programme Level	Name of the Course	Durgapur Government College (Merit Index)		Michael Madhusudan Memorial College, Durgapur City		Mankar College, Bardhaman District	
		Max (%)	Min (%)	Max (%)	Min (%)	Max (%)	Min (%)
Undergraduate B.A. Hons.	Bengali	89.6	72.7	73	55	83.8	56.4
	Economics	88.6	63.8	----	----	----	----
	English	95.5	72.5	82	57.6	81.8	48.0
	History	94.9	57.3	70	45.5	75.8	49.0
	Philosophy	91.2	61.2	72	48.8	74.8	46.2
	Pol. Science	87.3	57.1	----	----	71.2	50.0
	Sanskrit	83.5	53.0	----	----	80.2	54.0
Undergraduate B.A. Program	Bengali	80.6	62.5	B.A. General : 60.2	B.A. General : 30.3	B.A. General : 34.8	B.A. General : 31.2
	Economics	63.8	55.1				
	English	85.1	57.3				
	History	79.0	55.4				
	Philosophy	65.3	55.0				
	Pol. Science	74.7	56.5				
	Sanskrit	66.7	53.5				

Programme Level	Name of the Course	Durgapur Government College (Merit Index)		Michael Madhusudan Memorial College, Durgapur City		Mankar College, Bardhaman District	
		Max (%)	Min (%)	Max (%)	Min (%)	Max (%)	Min (%)
Undergraduate B. Sc. Hons.	Botany	84.3	59.3	----	----		
	Chemistry	94.4	71.0	----	----		
	Geology	93.7	68.3	84	61.5		
	Mathematics	92.6	67.9	76	58	77.4	72.6
	Physics	92.9	72.2	----	----		
	Zoology	97.4	69.3	----	----		
Undergraduate B.Sc. Program	Botany	72.6	61.7	B.Sc. General : 63.6	B.Sc. Genera l: 35.2	B.Sc. Gener al: 68.0	B.SC. Gener al: 61.6
	Chemistry	80.3	62.9				
	Mathematics	83.6	62.1				
	Physics	83.3	64.1				
	Zoology	85.1	56.6				
Undergraduate B.Com. Hons Programme	Commerce	93.9	64.0	68	52		
Undergraduate B. Com. Program	Commerce	83.9	62.6	57.3	30.6	47.6	42.6

The criteria for admission for SC, ST, OBC A, OBC B and differently-abled persons ('Physically Challenged' category as mentioned in G.O.)) are as per the norms of the Government of West Bengal.

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes', what is the outcome of such an effort and how has it contributed to the improvement of the process?

Yes.

The Admission sub-committee in general and the departments in particular, review the admission process and applicants' profile of the previous year, and accordingly suggest changes to be incorporated in the admission: deciding on eligibility criteria, admission procedure, etc.

- Each college vies with the other to get the best students admitted to their institution. This necessitates proper planning of selection criteria, the selection of dates of admission so that there is scope to get the best and to retain them too. It is to be admitted that the job becomes very challenging in a public-funded institution like Durgapur Government College.
- The problems encountered in the previous year while implementing admission policies of the college are kept in mind while planning on policies of the subsequent year.
- During the current academic session, i.e. 2016-2017, a completely new system, the Choice Based Credit System was introduced in the college without much hitch.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

Since it is a Government College, the admission procedure is guided by the policies of the Government of West Bengal conveyed through government circulars issued. The institution is committed to maintain the diversity in the student profile and uphold the mandate for inclusive education. Under government policy, reservation of seats applies to SC, ST, OBC, and physically challenged (PC) category. Some differently abled students get admission in general/SC/ST or OBC categories and do not need to avail the physically challenged reserved seats. These seats are then converted to general category as per government rules if no candidate is available. These seats are then converted to general category as per government rules if no candidate is available. Specific data are available on these categories. However, students' database collected by each department provides information on diversity and inclusiveness of enrolled students.

- Prior to 2014-15 academic sessions, 22% of the total intake capacity was reserved for the SC candidates and 6% for the candidates belonging to the ST category as per West Bengal Government reservation policy.
- The Government of West Bengal introduced reservation of 10% and 7% seats for the candidates belonging to OBC (A) and OBC (B) categories respectively with effect from 2014-15 academic session [vide West Bengal State Higher Education Institutions (Reservation and Admission) Rule, 2013]. According to this Rule keeping the seats under General Category unaltered, these newly introduced reservations were affected by increasing the intake capacity and the reservation for the SC and ST candidates, which would be 22% and 6% respectively of the enhanced intake capacity.

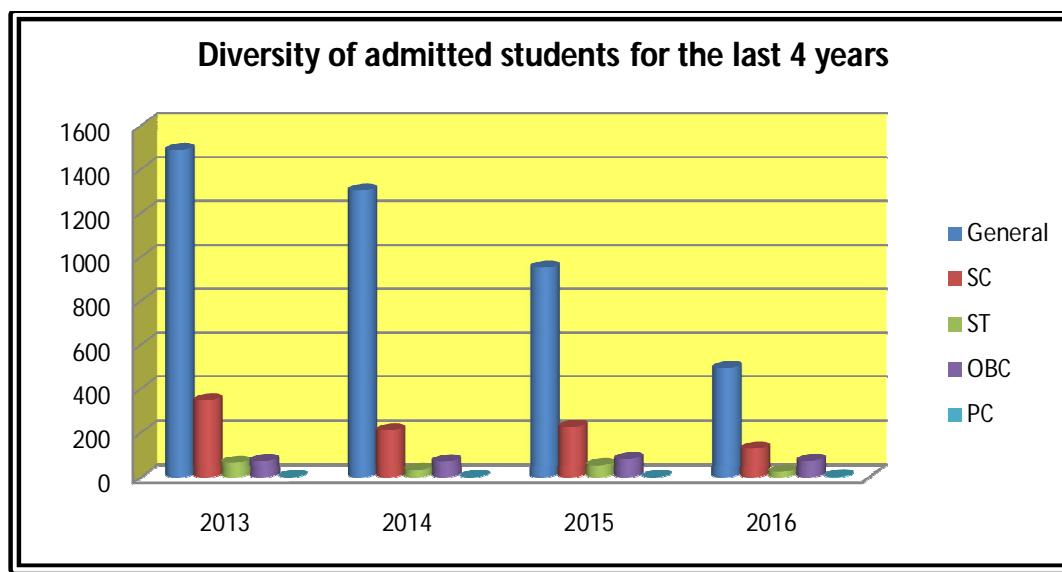


Fig. 2.1

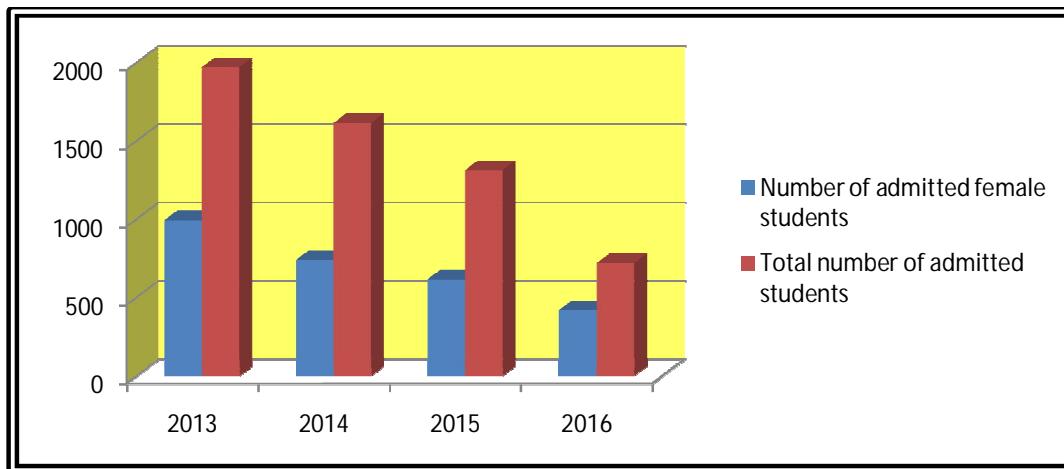


Fig. 2.2

- The Institutions of Higher Education were also directed by the state government to increase the intake capacity through a period of six years (i.e. up to 2019-2020 academic session) with an expectation that the institution would upgrade the infrastructure to cope with this increase in intake capacity. Accordingly the college has submitted the road map for accommodation of the provisions laid down in the said Rule of the Government of West Bengal to the Department of Higher Education. Under the directives of Kazi Nazrul University, CBCS system was introduced from the academic session 2016-2017 in all the affiliated colleges. This necessitated a thorough review of the infrastructure available in college and the intake capacity admissible. The decision to decrease the intake capacity was taken after discussion with the affiliating university 3% of the intake capacity is kept reserved for the differently-abled applicants and allotment is made from the category to which the candidates belong. The degree of disability determines the order of preference among differently-abled candidates. Certificates issued by the specified authority recognized by the Government of West Bengal are accepted for determination of the degree of disability
- The reservation under OBC A category primarily ensures reservation of seats for the minority students also
- There are scholarships such as **West Bengal Government Merit Cum Means Scholarship Scheme**, and *Post Matric Scholarship* for supporting the students from economically weaker sections of the society. Please Refer to Answer 5.1.2 and 5.1.3 for details.
- Girl students receive different scholarships *Kanyashree Prokolpa* of the Government of West Bengal and '*Education of Single Girl Child*' scheme of the Government of India (for PG students). Free accommodation facility is availed by Lakshimoni Hembrom, a female ST student of second year English Honours at 'Rani Guidalo Central ST Girls' Hostel' at Kabiguru, Satyajit Ray City Centre, Durgapur - 16.
- The students from the Minority section can also avail scholarship offered by West Bengal Minorities Development and Finance Corporation (WBMDFC).

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Table 2.7

Undergraduate Programmes	Academic Session	Intake capacity	Number of applications	Number of students admitted	Demand Ratio
B.A. Bengali (Hons.)	2013-14	80	-----	69	-----
	2014-15	80	348	76	1 : 4.6
	2015-16	84	709	73	1 : 9.7
	2016-17	40	601	38	1 : 15.8
B.A. Economics (Hons.)	2013-14	80	-----	18	-----
	2014-15	60	41	15	1 : 2.7
	2015-16	66	40	10	1 : 4
	2016-17	35	56	18	1 : 3.1
B.A. English (Hons.)	2013-14	80	-----	55	-----
	2014-15	80	434	51	1 : 8.5
	2015-16	48	771	35	1 : 22
	2016-17	40	642	38	1 : 16.9
B.A. History (Hons.)	2013-14	80	-----	57	-----
	2014-15	80	112	72	1 : 1.6
	2015-16	84	139	46	1 : 3
	2016-17	40	169	37	1 : 4.6
B.A. Philosophy (Hons.)	2013-14	80	-----	23	-----
	2014-15	80	32	11	1 : 2.9
	2015-16	66	93	35	1 : 2.7
	2016-17	40	97	25	1 : 3.9
B.A. Political Science (Hons.)	2013-14	80	-----	48	-----
	2014-15	80	56	22	1 : 2.5
	2015-16	86	263	65	1 : 4
	2016-17	40	143	37	1 : 3.9
B.A. Sanskrit (Hons.)	2013-14	80	-----	53	-----
	2014-15	80	90	33	1 : 2.7
	2015-16	86	289	71	1 : 4.1
	2016-17	40	131	36	1 : 3.6
B.Com. Accountancy (Hons) (2013-15); B.Com Hons Programme (2016-2017)	2013-14	182	-----	161	-----
	2014-15	182	376	200	1 : 1.9
	2015-16	156	545	115	1 : 4.7
	2016-17	80	415	63	1 : 6.6
B.Sc. Botany (Hons.)	2013-14	45	-----	26	-----
	2014-15	45	146	36	1 : 4.
	2015-16	39	218	24	1 : 9.1
	2016-17	30	234	25	1 : 9.4

Undergraduate Programmes	Academic Session	Intake capacity	Number of applications	Number of students admitted	Demand Ratio
B.Sc. Chemistry (Hons.)	2013-14	45	-----	24	-----
	2014-15	45	375	45	1 : 8.3
	2015-16	45	388	18	1 : 21.6
	2016-17	35	259	27	1 : 9.6
B.Sc. Geology (Hons.)	2013-14	45	-----	22	-----
	2014-15	45	278	46	1 : 6
	2015-16	45	359	23	1 : 15.6
	2016-17	35	297	29	1 : 10.2
B.Sc. Mathematics (Hons.)	2013-14	45	-----	22	-----
	2014-15	45	217	41	1 : 5.3
	2015-16	45	315	24	1 : 13.1
	2016-17	35	208	25	1 : 8.3
B.Sc. Physics (Hons.)	2013-14	45	-----	27	-----
	2014-15	45	332	43	1 : 7.7
	2015-16	46	423	25	1 : 16.9
	2016-17	35	333	33	1 : 10.1
B.Sc. Zoology (Hons.)	2013-14	45	-----	20	-----
	2014-15	45	399	35	1 : 11.4
	2015-16	39	619	14	1 : 44.2
	2016-17	30	485	26	1 : 18.7
B.A. General	2013-14	420	999	616	1 : 1.6
	2014-15	420	1597	397	1 : 4
	2015-16	451	1903	350	1 : 5.4
B.Com. General	2013-14	520	529	508	1 : 1
	2014-15	520	447	342	1 : 1.3
	2015-16	561	519	272	1 : 1.9
B.Sc. General	2013-14	149	357	185	1 : 1.9
	2014-15	149	470	115	1 : 4.1
	2015-16	176	244	81	1 : 3

The admission process for academic session 2013-2014 was conducted centrally by The University of Burdwan. Postgraduate admissions are controlled by affiliating university and students report to the College after admission.

Undergraduate Programmes	Subject	Intake capacity	Number of applications	Number of students admitted	Demand Ratio
B.A. Programme (2016-2017)	Bengali	35	601	35	1 : 17.2
	Economics	35	56	05	1 : 11.2
	English	35	642	22	1 : 29.2
	History	35	169	22	1 : 7.7
	Philosophy	35	97	08	1 : 12.1
	Political Science	35	143	19	1 : 7.5
	Sanskrit	35	131	16	1 : 8.2

Undergraduate Programmes	Subject	Intake capacity	Number of applications	Number of students admitted	Demand Ratio
B.Sc. Programme (2016-2017)	Botany	30	234	16	1 : 14.6
	Chemistry	35	259	07	1 : 37
	Mathematics	35	208	13	1 : 16
	Physics	35	333	04	1 : 83.3
	Zoology	30	485	27	1 : 18
B.Com Programme (2016-2017)		60	415	37	1 : 11.2

The demand ratio mostly depends on

- I. The results of the school leaving examinations, time of admission with reference to other institutions, particularly those located in Kolkata
- II. Some of the local meritorious students have a tendency to migrate to Kolkata for higher education. Even after getting admission some of them withdraw their names to join other colleges in Kolkata
- III. Date of publication of the Joint Entrance Examination (for admission to Medical and Engineering Colleges) is another important factor that influences the number of applications for science subjects and English
- IV. Infrastructure related to computer aided methods of teaching was not available in the college for some time due to lack of funds. This facility very much available in private colleges, draws students away from this institution
- V. Performance of students in the university examinations
- VI. Scope for development of employability skills
- VII. Discipline
- VIII. Transfer of faculty members
- IX. Hostel facilities

Initiatives:

- a. Computer-aided methods adopted to make teaching and learning interesting
- b. Renovation of college has been undertaken to provide a proper atmosphere conducive to teaching and learning
- c. Career Counselling and Placement Unit of the college has initiated orientation course and grooming students for the job market
- d. College has taken initiative to organize various activities such as expert lectures, orientation programme for students, seminars and conferences
- e. College encourages the participation of students in activities organized by other institutions
- f. Fresh proposal for hostel facilities have been submitted to proper authority

2.2 Catering to Student Diversity

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

- Durgapur Government College is sensitive to the needs of differently-abled students
- Merit List for admission ensures that government policies in this regard are strictly followed for such category.
- College has infrastructural facilities for differently-abled students such as ramp, and wheel chair. The proposal for specially designed washrooms has been sent for approval from Department of Higher Education, Government of West Bengal
- A committee has been formed to sensitize other students and staff regarding this issue. The committee held a meeting on 08.02.2017, where the following resolutions were taken:
 - Orientation programmes will be organized for differently abled students. Resource persons will be invited to these programmes. Differently abled students will be encouraged to share their views and experiences in these programmes.
 - An orientation programme has been scheduled on 23.02.2017 where the President of HOPE, An NGO in Durgapur, will be present as the resource person
 - Differently abled students will be encouraged to participate in activities like T-shirt painting, quiz and story telling
 - Proposal will be sent to the central library to purchase books based on Braille system
- Physical and psychological support is provided by staff and students of the college
- Visually challenged students have so far not taken admission in this institution. However, College Library consists of some special aids such as hearing equipment and audio CDs for such students
- Sports facilities for differently abled students will be initiated from 2017 by Department of Physical Education

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

Yes

With a view to fulfilling the mission, the college uses different methods to assess students' needs in advance

- Meetings based on curricula etc, methods of implementation, planning, development of skills offering scope for employment are conducted and policies adopted by the college accordingly

- **Orientation classes** are organized by departments for first year students before the formal commencement of programme. According to the university academic calendar, first year classes were to commence from 30.07.2016 for academic session 2016-17. Durgapur Government College took initiative to hold orientation classes for the students for all departments on 19.07.2016 vide Notice Memo no: 555 dated 26.06.2016 before the formal commencement of classes on 30.07.2016 as per university circular. Needs of the students are assessed in these classes in terms of knowledge to be imparted and development of skills needed for that purpose
- Individual departments hold meetings on the prescribed curriculum to decide on special classes required for knowledge enhancement
- Individual departments in consultation with Career-Counselling Cell plans lectures, workshops, hands-on training etc with a focus on developing employability skills
- Information obtained from **Student's database** maintained by each Department of the College recording students' needs and their expectations from the college in addition to Students' formal and informal Feedback help in assessing needs of students before the commencement of the programme
- Feedback from stakeholders serves as important method to assess students' needs in advance

2.2.3 *What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?*

Formal certificate courses like UGC-Career Oriented Programme "Certificate Course in Corporate Communication" under the UGC-COP Scheme of the 11th. Plan, was conducted from 2007 to December 2011. During this tenure, three batches of students – Academic Sessions July 2008 – March 2009, July 2009 – March 2010 and July 2010 – March 2012 – passed out from the college after successful completion of the "Certificate Course in Corporate Communication". Many of the students were placed in different organizations after completion of the course. The courses stopped for some time. However, steps have already been initiated in this direction. College has applied for approval to the Government of West Bengal to introduce Certificate courses in Communicative English, Basic and advanced Computer training Animation, Pottery and Tourism

- Emphasis is being laid on holding of Tutorial Classes; students in small groups get an opportunity to discuss topics in a homely atmosphere
- Special classes for slow learners are arranged informally within and beyond class hours as far as practicable. Open-house discussions are being arranged for slow/advanced/any interested student /faculty members in the reading room of the college library by different departments

- Group discussions/Interactive sessions on different topics are encouraged for conceptual clarification
- Class room experiments and computer software programs such as Chem Draw, Gaussian, Gauss-View, Geopet, Systat etc. are used to clarify different topics for science subjects. The softwares Chem Draw, Gaussian and Gauss-View, are personal possessions of Dr. Nivedita Acharjee and provided to the students as learning aids and to prepare M.Sc. projects. These are not licensed softwares of Durgapur Government College. Softwares Systat and Geopet are provided to the students by Faculty members as learning aids. These are also not licensed to the department

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

On Gender:

- Please refer to the details on activities of the *Cell for Gender Sensitization and Prevention of Sexual harassment against women* in Criterion I
- The theme of the 2016 college annual exhibition of the Department of Philosophy was related to sensitizing society towards respecting women

On inclusion:

- The institution attempts to create a working atmosphere which invites participation of staff and students and promotes cohesion. There is no discrimination on the basis of religion, caste, ethnicity, region, language, sex, social and economic status
- Head of the institution takes personal initiative to acknowledge and appreciate the work done by staff and students.
- Sub-committees of the Teachers' Council are constituted with senior and junior members, with a junior member sometimes heading the committee
- Different programmes are organized by the NSS Unit, Cell for Gender Sensitization and the, Career Counselling & Placement unit are interactive in nature with teams formed from different departments
- Picnics, cultural programmes promote inclusiveness
- The institution involves a staff club to ensure inclusion. Please refer to Criterion 4 for detailed list of activities of Staff Club.

On Environment:

- A programme "KNOW YOUR CAMPUS" has been initiated by the institution to gain knowledge about the natural resources found in the campus. Identification and steps for preservation of these resources are main objectives of the programme. Please Refer to Chapter 7 for details
- A Medicinal Plant garden is maintained by the Department of Botany

- A flower and organic vegetable garden is maintained in a plot in the campus by the students, faculty of the Department of English, Students' Union; a fund has been created with contributions of faculty members of the concerned department
- Specimen display section is maintained by Zoology department
- Under NSS Unit, special camps are organized to promote cleanliness programmes in college campus and local villages. Two villages have been adopted in this context. "Safai Aviyan" in the College Campus and adopted villages was organized on 2nd October 2016 under *Swatch Bharat Mission*.
- **Bonmahotsab**, 2015 was jointly organized by the Forest Department, Government of West Bengal and the NSS Unit of Durgapur Government College on 14.07.2015



Fig. 2.4: NSS Volunteers in *Bonmahotsav 2015*

- Annual Exhibitions are organized in the College Campus. Different models and charts on environmental issues -pollution, plantation, natural disasters, global warming were displayed by students and NSS Volunteers in 2016
- Seminars are organized during these camps. Awareness lectures on Medicinal Plants by Dr. Niloy Das and Conservation of Snakes by Debasish Majumder and Amit Kumar Dey were delivered in the special NSS Camp in 2016.
- Live and Interactive Demonstration of Venomous and non-venomous snakes by Mr. Debasis Majumdar assisted by Amit Kumar Dey, Student of Conservation Biology, was conducted to create an awareness among the students and faculty members during the Annual Exhibitions

Other Community Initiatives:

- Seminars were organized in Special NSS Camps to create awareness against Acid Attack, suicide problems and gender discrimination during the financial year 2015-2016.
- Since 2016, NSS Volunteers have been organizing awareness campaigns and providing assistance to the local villagers to avail the benefits of **Aadhar card**, **Pan card**, **Voter card**, opening **bank account** etc.
- Traffic Awareness Rally was organized on 27th September 2016
- World AIDS Day was observed on 1st December 2016.
- NSS Unit participated as delegates and delivered lectures at the State Youth Exchange Programme on 17th December 2016
- The institution has constituted a Dengue Prevention Cell to create awareness against Dengue
- Socio-economic survey was conducted by Department of Economics in slum areas of Durgapur Town
- NCC team regularly participates in the formal Sub Division level Guard of Honour on 26th January and 15th August to commemorate the Republic Day and Independence Day of India. They have received different awards for last 5 years

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

The angle from which a student asks questions on various topics taught in class or related topics is one of the best ways to identify brilliance and set it apart from mediocrity

- The faculty members give their best to satisfy the desire in advanced learners to explore new areas of learning
- Such students are also introduced to eminent scholars



Figure: 2.5: Professor Dr. Soumitra Banerjee, Recipient of prestigious Bhatnagar Award addressing the students at a seminar organized Department of Physics

- Following are some of these available resources and educational activities:
- **Library Resources:** Central Library of the institution consists of 76147 text and 3653 reference books, e-books, audio-visual CDs etc. Some academic journals were also subscribed during the current academic session
- **Dual Borrowing:** Most of the Departments contain enriched seminar library. Students can borrow books both from Departmental Seminar library and Central library at the same time
- **Networking:** College has successfully developed Optical Fiber (unmanaged) LAN (star topology) extending the internet facility all over the academic premises. Wi-Fi connectivity is available in some departments. It provides easy access to extensive online information required for teaching and learning process
- **Laboratory Resources:** DFT-FIST fund was utilized to purchase some equipment such as UV-Visible Spectrophotometer and Petrological Microscope which can be used by students of all science departments
- **Field Work:** Field Work included in the course curriculum is organized by Departments of Botany, Zoology, Conservation Biology and Geology to provide hands-on training and expertise
- **Educational and Field Tours:** Educational tours and excursions are organized by different departments to strengthen teacher-student bonding and give exposure to various fields of knowledge. Please refer to Chapter 3 for the participation of students in these tours
- In-house lectures and participation in seminars and awareness programmes organized by other institutions enrich knowledge and motivate students towards research work. Please refer to Criterion III for participation of students in seminars and awareness programmes.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

Students' Database collected and analysed by each department Personal interaction with students, parents besides formal meetings. Financial help provided to help them participate in all programmes. Formal/informal psychological counselling is done.

Information/Data on academic performance of the students is collected and analyzed as follows:

- **Information received from faculty members:** Faculty Members monitor the results of college/university examinations and attendance record of students. This data enables the teachers to advise and guide the

students and also counsel those who are weak and fail to cope with the academic standard of the college.

- **Internal assessment Examinations (Written and Viva Voce):** Each department conducts internal assessment examinations for the students. This helps to monitor the progress of students.
- **Mandatory 75% attendance:** Attendance in classes is given special emphasis and is regularly checked. At the beginning of the session students are categorically made aware of the university regulation, according to which a student, failing to attend 75% of the total classes, is liable to be debarred from writing the university examination. Letters from guardians explaining the absence of their wards in classes are required to be submitted.
- **Student's database and Feedback from students:** Data related to the socio-economic background and challenges of the students are collected. A lot of counselling is done to address such problems. Students are also contacted personally, informally to learn of their problems. As a measure for prevention of drop outs, special tutorials are arranged for the slow learner, steps taken by institution or individual teachers for exemption of tuition fees and other financial supports are also arranged for economically challenged students.
- **Feedback from guardians and Parents-Teachers' Meetings:** Feedback from the guardians is collected. Parents-Teachers' meetings are also held in different departments to monitor the progress of students. In case of frequent absence, the situation is brought to the notice of the guardian. It is important to note that quite a few students in each department are first generation learners. Special care is taken of the students from socially and economically challenged background.

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

- **Academic Calendar:** At the beginning of each academic session, the academic calendar is prepared on the basis of university academic calendar and the holiday list sent by the Education Directorate, Government of West Bengal. The College academic calendar is then uploaded on the website and communicated to each Department.
- **Master Routine Preparation:** The Routine sub-committee of the college prepares the master routine for all the three streams-Humanities, Science and Commerce. It is then circulated to each department.
- **Assigning classes:** Each Department prepares its routine based on the academic calendar and the master routine. Classes are assigned to faculty members for different courses. Credit points for each paper and the teaching load of each teacher as per UGC norms are strictly considered while assigning classes
- **Teaching Plan:** Teachers prepare their individual lesson plans according to the teaching assignment. This includes:
 - a) Break up of syllabus
 - b) Number of lectures required for each topic
 - c) Time frame for completion of the syllabus
 - d) Provision of tutorial classes.
- **Evaluation:** CBCS curriculum involves prescribed guidelines of the affiliating university for evaluation. This is followed by the college and the marks of the internal assessment are submitted to the university. Evaluation of students understanding and grip on the subject is additionally ensured through paper presentation and poster competition

2.3.2 How does IQAC contribute to improve the teaching-learning process?

Members of IQAC hold meetings to monitor the teaching quality and research based work culture of the college. A detailed account of faculty profile is maintained by IQAC. Following are some of the goals set and achieved by IQAC during the last 5 years to improve the teaching and learning process.

Table 2.8

SI. No.	Goals	Status
1	Increasing the use of Computer-aided methods for teaching and learning in most of the departments.	Implemented {Computer-aided methods such as power point presentation with the help of LCD Projector are used for teaching in different departments. Arts departments use the common seminar room for such classes}

SI. No.	Goals	Status
2	Organizing seminars and workshops in the college campus	Implemented
3	Increasingly making available the intellectual resources and expertise of faculty-members to other departments	Faculty members of Department of Chemistry delivered lectures and completed one post graduate student project for Department of Conservation Biology
4	Use of Feedback forms and Students' database to improve the teaching and learning process	Implemented
5	Organization of CBCS syllabus based workshops	CBCS syllabus based workshop organized by Department of History on 15.02.2017

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students.

- **Student centric initiatives:**

Since the present generation of students love use of technology, the college makes use of such facilities while teaching

- a) The institution has developed internet and LAN based connectivity. This helps the students to access study materials. Wi-Fi facility is available in some departments.
- b) College Library provides 03 Computers for student access. E-books of different subjects are available in these computers for students
- c) Students can borrow books from both central and seminar library simultaneously.
- d) Orientation seminars are organized in some departments for students. This ensures interactive learning process.
- e) Involvement of students in group discussions
- f) Open-air classes
- g) In postgraduate curriculum there are provisions for interactive learning, collaborative learning and independent learning. Students have to submit term papers on specific topic of their own choice under the supervision of faculty members. The submission is followed by an open house presentation, which provides the scope of interactive learning to the other students of the same class.
- h) Collaborative learning is encouraged during the field training programmes and educational tours in both undergraduate and postgraduate levels.
- i) Provision of Virtual Classrooms to provide online teaching-learning environment in the college premises

- **Teacher development initiatives:**
 - a) Teachers are encouraged to participate in seminars, workshops, faculty development courses and short term enrichment courses and granted 'Leave on duty' for these purposes
 - b) Exposure to and development of skills in administrative matters and extension related activities take place through incorporation of faculty members in different committees
 - c) Space for recreation and distressing is provided by Staff Club
 - d) Appreciation and acknowledgement of innovative teaching-learning methods devised by faculty members

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

- a) Every year the College organizes exhibition to encourage students to express their innovative ideas through static and dynamic models, chArts etc. The topics require a lot of research work to translate creativity into coherent thought depicted through models, chArts and use of technology. A lot of critical thinking also goes in space management
- b) Institutions are approached with requests to conduct out-reach programmes at Durgapur Government College to kindle interest in various fields. The Centre for Archaeological Studies and Training of Eastern India (CASTEI) has conducted a programme on, Human Evolutionary and Prehistory" on 08.02.2017.
- c) Healthy competitions are encouraged while working in groups on assignments
- d) Responsibilities are given to organize events like Freshers' Welcome, 'Annual Fest', Farewell programmes
- e) A provoking topic is given for debating
- f) Some departments organize special lectures by experts to impart knowledge and skill to the students
- g) In the Department of Geology, a student organization, Association for the Culture of Earth Sciences (ACES) was founded on 8th February 1989, mainly to encourage the juvenile minds to explore different aspects of Earth Sciences beyond the formal framework of university curriculum. Organization of periodic seminars, quiz contest etc. is the main activity of this association. The journal of the association *Geolozine*, published every alternate year, provides the budding geologists of this department with a platform for expressing their ideas
- h) Field Work, Educational tours and excursions are organized by different departments
- i) In the final semesters, post graduate students prepare term projects under the guidance of different faculty members. These projects are primarily focused to impart the knowledge of research methodology to the students

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching?

- College has developed Optical Fiber (unmanaged) LAN (star topology) extending the internet facility all over the academic premises. Wi-Fi facility is available in some departments. Students and Faculty Members can access internet facilities through this system.
- 02 Virtual Classrooms provide an online teaching-learning environment in the College Premises.
- Three computers are available for public access in the central library. E-books of different subjects are available in these computers.
- Students of different departments can access different software under the supervision of faculty members. Some post graduate students have completed projects on computational chemistry applications.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

- Students and faculty members get exposure to advanced level of knowledge and skills by participation in different seminars, workshops, conferences, exhibitions and educational tours. Please Refer to Criterion III for details
- Expert lectures are organized by different departments.

Table 2.9

Sl. No.	Organising Department	Date of lecture	Name of the expert	Topic of lecture
1	Philosophy	08.10.2015	Apree Dutta, Assistant Professor, Kazi Nazrul University	Tarkasamgraha (Anumana khanda)
2	English	17.03.2016	Prof. Dipankar Sen, Assistant Professor, Department of English, Sanskrit College, Kolkata	<i>The Rape of the Lock:</i> An Introduction
3	English	20.10.2016 27.10.2016 03.11.2016 10.11.2016	Prof. Santanu Niyogi, Assistant Professor, Department of English, Raniganj Girls' College Raniganj	A series of 5 lectures with Power Point presentation on various topics of 'Phonetics'
4	Philosophy	07.12.2016	Abhik Banerjee, Associate Professor, Scottish Church College	St.Augustine and St.Anselm.
5	Physics	14.01.2017	Professor Soumitra Banerjee, Professor of IISER	The Discovery of Gravitational wave

Sl. No.	Organising Department	Date of lecture	Name of the expert	Topic of lecture
6	English	16.01.2017	Professor Himadri Lahiri, Department of English and Culture Studies, The University of Burdwan;	Modernism and Indian English Poetry
7	Political Science	25.01.2017	Kunal Debnath, Assistant Professor and Coordinator, Kazi Nazrul University, Asansol	Contemporary Indian Feminism
8	Conservation Biology and Zoology	25.01.2017	. Amit Kumar Dey; Research Biologist, BNHS	Vulture Conservation
9	English	30.01.2017	Professor Niladri Ranjan Chatterjee, Department of English, University of Kalyani, Fulbright Scholar	Thinking Indian Masculinities
10	English	30.01.2017	Dr. Subhajit Sengupta Associate Professor, Department of English and Culture Studies, The University of Burdwan	Renaissance Drama: A Critical Insight
11	Chemistry	10.02.2017	Dr. Suprakash Roy, Assistant Professor of Chemical Technology, from Department of Technical Education and Training, Government of West Bengal	Entrepreneurship in Chemistry and Related Areas
12	English	10.02.2017	Prof. Sukriti Ghoshal, Principal, MUC Women's College	Appreciation of Poetry
13	English	10.02.2017	Prof. Ajoy Sengupta, Asansol Girls College, Asansol	Dylan Thomas Poetry
14	Bengali	15.02.2017	Dr. Rina Mondal, Formerly Head and Associate Prof. of Bengali, Durgapur Government College	Bangla Godyo Sahityo

Expert lectures are also arranged in the special camps organized by the NSS Unit. Please refer to Table 3.12 for the list of NSS Special camp expert lectures.

2.3.7 Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?

- Career Counselling and Placement Unit provides mentoring, academic advice and organizes different programmes to develop employable skills. Please refer to Criterion V for detailed activities of the cell
- Cell for Gender Sensitization and Prevention of Sexual Harassment against women addresses the related issues. Please refer to Criterion 1 for detailed list of activities of the cell
- Anti ragging committee provides guidance and support to the students against any form of ragging.
- Grievance Redressal Cell addresses the grievances. Please refer to Criterion V for the guidelines of the cell

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

Table 2.10

Sl. No.	Enrichment Initiative	Efforts of the institution	Goals Achieved
1	E-learning by internet by utilizing the A-VIEW software (free to download from www.aview.in)	Initiative taken by Dr. Pinaki Roy, Faculty of Geology Department to download and organize the learning process online	Students of Geology Department participated in the 13 th IIRS Outreach Programme on "Basics of Remote Sensing, Geographical Information System & Global Navigation Satellite System from 1600 – 1730 hrs during 4 August to 14 November 2014
2	Application of specialized softwares such as Chem Draw, Gaussian, Gauss View etc for teaching and project work by Department of Chemistry.	Initiative taken by Dr. Nivedita Acharjee, faculty of Department of Chemistry to teach the software to the students	Student completed projects related to the field of computational chemistry in the year 2016.

Sl. No.	Enrichment Initiative	Efforts of the institution	Goals Achieved
3	Introducing the use of computer-aided methods of teaching for Arts departments	Seminar Room equipped with LCD Projector provided for teaching	<ul style="list-style-type: none"> Screening of video clips educational films included in the new CBCS curriculum of Department of English is practised. Students get exposure to a different version of the text through its film version Students gain a comprehensive understanding of topics. For example: Ancient Greece, European Landscape
4	Open air classes	Space was provided in the college campus for these classes. Initiative taken by Department of English to organize these classes	<ul style="list-style-type: none"> Teaching beyond the classroom walls Student-friendly and de-stressing approach to the learning process

2.3.9 How are library resources used to augment the teaching- learning process?

- I. About 76147 text books and 3653 reference books are present in the Central Library. In addition, most of the departments consist of seminar library. Students can borrow books both from central and seminar libraries
- II. Computers with internet facilities are available in the library for public access which helps the students to download study materials
- III. E-books stored in library computers can be easily accessed by the students
- IV. Library has annual subscription of some journals which can be accessed by both students and faculty members
- V. Educational CDs are available in the library for students and faculty members
- VI. Reading room of the library is used as a space for open-house discussions and library books are consulted and shown to the audience during the discussions

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

Yes

- I. University examinations are scheduled from March to August each year. Teaching classes are hugely compromised during this period since the college is used as a centre of examination by the university. Special Classes are therefore arranged by the college during the vacations to compensate for these classes
- II. In-service transfer of faculty members is a major challenge for completing the curriculum within stipulated time, especially for the specialized subjects. For example, there is acute shortage of faculty members with specialization in Inorganic Chemistry in the Department of Chemistry. Sudden and frequent transfer in the middle of an academic session seriously affects the implementation and completion of curriculum

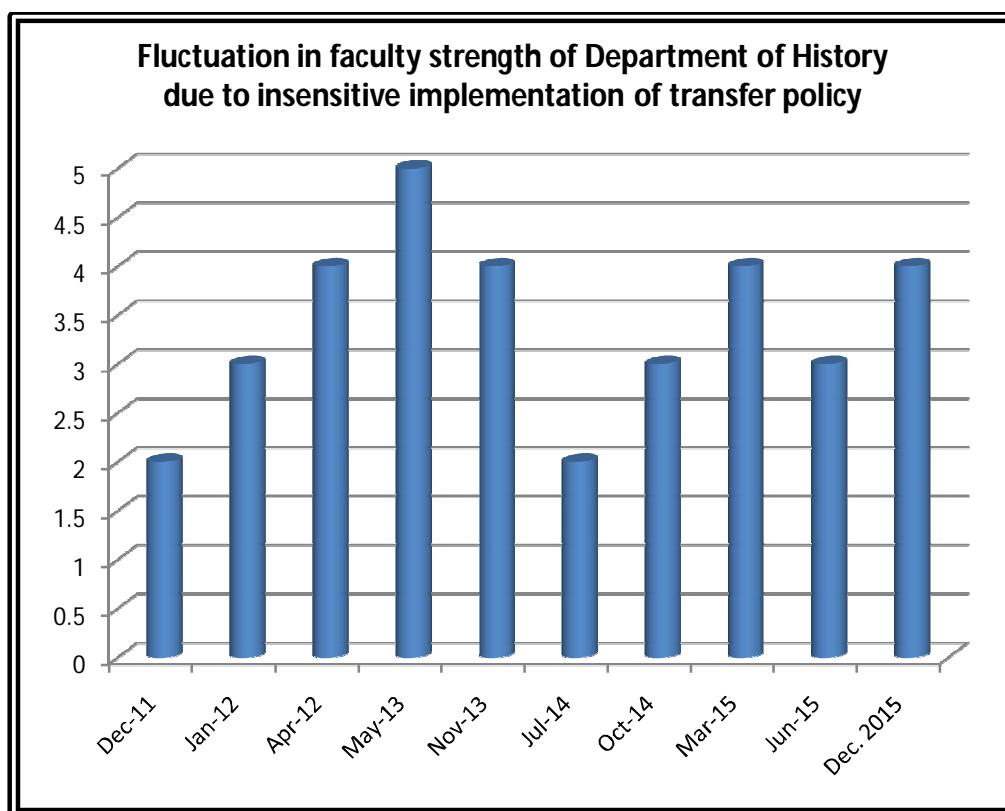


Fig. 2.6. Fluctuation in Faculty strength due to transfer policy

Some of the faculty members were released on transfer from this college and they again joined this institution after serving other colleges. This has adversely affected the implementation and completion of curriculum.

Some examples have been provided below

Table 2.11

Sl. No .	Name of the Faculty	Department	Month/Year of Joining the college	Month/Year of release from College	Month/Year of Re-joining the college	Month/Year of Re-release from the college	Month/Year of Re-joining the college
1	Dr. Nilanjana Chatterjee (Das)	English	March/2009	July/ 2014	Nov/2014	June/2015	April/2016
2	Dr. Bankim Chandra Ghosh	Chemistry	Sept/2010	Feb/2014	Dec/2015	-----	-----
3	Saubhik Bandyopadhyay	History	Jan/2012	July/2014	June/2015	-----	-----
4	Nandini Jana	History	April/2012	July/2014	Oct/2014	-----	-----
5	Dr. Ramit Das	English	Oct/2010	July/2014	June/2016	-----	-----
6	Ishani Roy	Bengali	Aug/2014	June/2015	Dec/2015	-----	-----
7	Shreya Ray	Bengali	Aug/2014	June/2015	Dec/2015	-----	-----
8	Dhananjay Das	Bengali	Aug/2014	June/2015	Dec/2015	-----	-----

- III.** The college premises were requisitioned by the Election Commission during the General Elections scheduled in 2016. This created huge inconvenience and led to shortage of teaching days for one month. However, it was compensated for by arranging special classes during the vacation.
- IV.** Government funds are often released quite late during the financial year. This creates inconvenience for the purchase process. Therefore, shortage of recurring items for laboratories affects the practical classes of Science departments.
- V.** Posts lying vacant after retirement of staff are rarely filled up

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

- a) Through Internal assessment/Viva-voce
- b) Through College Test/University examination results.
- c) Through Student feedback information system
- d) Through Parents' feedback information system
- e) Through Faculty feedback information system
- f) Through Library feedback information system
- g) Through regular monitoring of faculty profile by IQAC
- h) Through student progression record

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

The recruitment of the teaching staff is done following the prevailing UGC norms by the Department of Higher Education through the Public Service Commission, West Bengal. The teachers, thus recruited, are appointed under West Bengal Educational Service and West Bengal Senior Educational Service and are posted in different Government Colleges of West Bengal. The service is transferable and the teachers are periodically transferred to different Government Colleges. So, the College does not have any role in planning and management (recruitment and retention) of its human resource. The College is, however, empowered to engage Guest Teachers and Part-time Teachers provided they satisfy the eligibility criteria of the Higher Education Department, Government of West Bengal.

Table 2.12: Faculty Qualification

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	*M	**F	*M	**F	*M	**F	
Permanent Teachers							
D.Sc./D.Litt.	---	---	00	00	00	00	00
Ph.D.	---	---	05	02	12	10	29
M.Phil.	---	---	01	01	00	03	05
PG	---	---	06	03	15	11	35
Temporary Teachers							
Ph.D.	---	---	---	---	---	---	---
M.Phil.	---	---	---	---	---	---	---
PG	---	---	---	---	---	---	---
Part-time Teachers							
Ph.D.	NA	NA	03 (Male)	+ 02 (Female)			05
M.Phil.	NA	NA	01 (Male)	+ 04 (Female)			05
PG	NA	NA	09 (Male)	+ 04 (Female)			13

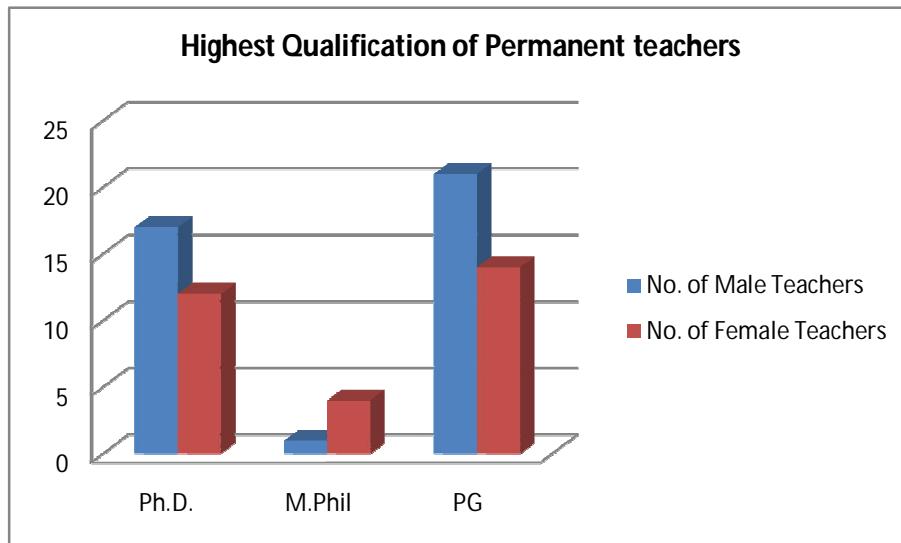


Fig. 2.7. (a) Qualifications of permanent teaching staff

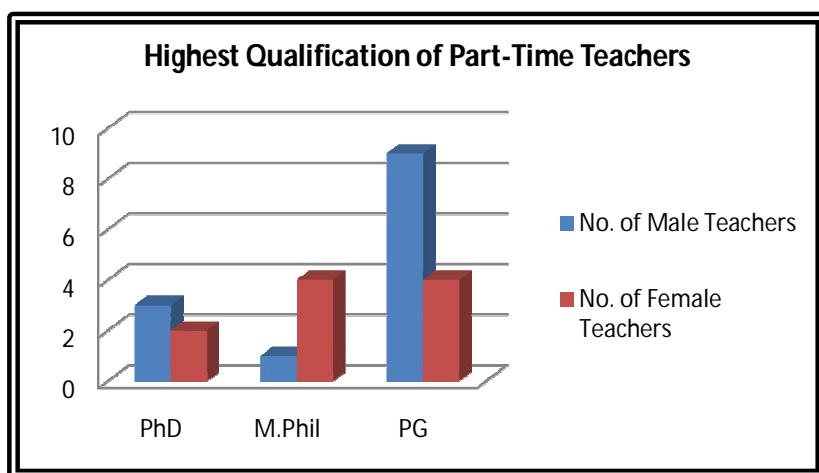


Fig. 2.7. (b) Qualifications of temporary teaching staff

2.4.2. How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

- Senior faculty members are invited to deliver lectures. Following Senior Faculty members delivered lectures in different departments during the academic session 2016-2017:
 - Professor Soumitra Banerjee, Professor of Indian Institute of Science, Education and Research, Kolkata, recipient of the prestigious Bhatnagar Award

- b) Professor Himadri Lahiri, Department of English and Culture Studies, The University of Burdwan; Recipient of Olive I Reddick Prize (Indo-American Centre for International Studies) Award, Fellow of Salzburg Seminar American Studies Alumni Association, Austria
- c) Professor Niladri Ranjan Chatterjee, Department of English, University of Kalyani, Fulbright Scholar
- d) . Rina Mondal, Former Associate Professor (Retired), Department of Bengali, Durgapur Government College
- e) Prof. Abhik Banerjee, Former Associate Professor (Retired), Scottish Church College
- f) Professor Suchandra Ghosh, Department of Ancient Indian History and Culture, University of Calcutta
- Part-time teachers satisfying the government norms deliver lectures
- Faculty members of some departments deliver lectures to students of other departments in some special cases.
- Most of the faculty members have collaborations with eminent academicians of different universities and research bodies. Students get the opportunities to interact with them informally.
- The college is yet to introduce any new programme on emerging areas of study like Biotechnology, IT, Bioinformatics etc.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination to staff development programmes

Table 2.13

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	33
HRD programmes	---
Orientation programmes	26
Staff training conducted by the university	Faculty Members of the Admission sub-committee (CBCS Curriculum Workshop on 27.05.2016) Most faculty members (Workshops on CBCS syllabus for each Department during July 2016)
Staff training conducted by other institutions	---
Summer/winter schools, workshops, etc.	10

List of Orientation Programme attended by Faculty Members from 2010 to 2016 while posted in Durgapur Government College
Table 2.14

Sl. No.	Department	Name of the Faculty	Name of the ASC / Centre / Organizer	Period of the Course	
				From	To
1	Bengali	Renuka Adhikari	UGC – ASC, Burdwan University, Burdwan	06/02/2013	05/03/2013
2	Chemistry	Dr. Parnajyoti Karmakar	UGC – ASC, University of Burdwan, Burdwan	04/07/2013	31/07/2013
3	Chemistry	Dr. Bankim Chandra Ghosh	UGC – ASC, University of Burdwan, Burdwan	04/07/2013	31/07/2013
4	Economics	Dr. Debasis Chakraborty	UGC – ASC, Burdwan University, Burdwan	04/01/2014	31/01/2014
5	English	Dr. Nilanjana Chatterjee (Das)	UGC – ASC, Burdwan University, Burdwan	06/02/2013	05/03/2013
6	English	Arijit Goswami	UGC – ASC, Burdwan University, Burdwan	04.07.2013	31.07.2013
7	English	Dr. Ramit Das	UGC – ASC, Burdwan University, Burdwan	24/01/2014	20/02/2014
8	English	Pritha Chakraborty	UGC – ASC, Burdwan University, Burdwan	24/01/2014	20/02/2014
9	Geology	BikasSaha	UGC – ASC, Burdwan University, Burdwan	07/03/2014	27/03/2014
10	Geology	BikasSaha	UGC – ASC, Burdwan University, Burdwan	09/10/2014	05/11/2014
11	Geology	Dr. Pradip Samanta	UGC – ASC, University of Burdwan, Burdwan	04/07/2014	31/07/2014
12	Geology	Dr. Pinaki Roy	UGC – HRDC, Jadavpur University, Kolkata	26/11/2015	23/12/2015
13	Geology	Dr. Subhajit Sinha	UGC – ASC, University of Calcutta, Kolkata	02/09/2013	30/09/2013

Sl. No.	Department	Name of the Faculty	Name of the ASC / Centre / Organizer	Period of the Course	
				From	To
14	Geology	Dr. Aniket Chakrabarty	UGC – HRDC, Jadavpur University, Kolkata	17/02/2016	15/03/2016
15	Geology	Dr. Soumik Mukhopadhyay	UGC – ASC, Jadavpur University, Kolkata	11/11/2013	09/12/2013
16	Mathematics	Pratikshan Mondal	UGC – ASC, Burdwan University, Burdwan	04/07/2014	31/07/2014
17	Philosophy	Shalmoli Palit	UGC – ASC, Burdwan University, Burdwan	03/06/2014	30/06/2014
18	Physical Education	Saumitra Karmakar	UGC – ASC, Burdwan University, Burdwan	04/03/2011	31/3/2011
19	Physics	Kripasindhu Kumar	UGC – ASC, Burdwan University, Burdwan	24/01/2014	20/02/2014
20	Physics	Dr. Swapan Kr. Ghosh	UGC – ASC, Burdwan University, Burdwan	18/02/2012	16/03/2012
21	Physics	Hrishikesh Mondal	UGC – ASC, Burdwan University, Burdwan	04/08/2012	31/08/2012
22	Zoology	Kuntal Bhattacharya	UGC – HRDC, University of Burdwan, Burdwan	01/09/2016	28/09/2016
23	Zoology	Dr. Sutapa Datta	UGC – ASC, University of Burdwan, Burdwan	04/06/2013	01/07/2013
24	Zoology	Dr. Utpal Singha Roy	UGC – ASC, University of Burdwan, Burdwan	03/06/2014	30/06/2014
25	Zoology	Dr. Somenath Dey	UGC – ASC, University of Burdwan, Burdwan	27/10/2010	23/11/2010
26	Zoology	Avisake Chakraborty	UGC – ASC, University of Burdwan, Burdwan	06/09/2013	03/10/2013

List of Refresher Courses attended by Faculty Members from 2010 to 2016 while posted in Durgapur Government College
Table 2.15

Sl. No.	Department	Name of the Faculty	Name of the Course	Name of the ASC / Centre / Organizer	Period of the Course	
					From	To
1	Bengali	Dr. Bhismadeb Mukhopadhyay	Refresher Course	UGC-HRDC, University of Burdwan	29/07/2016	18/08/2016
2	Bengali	Renuka Adhikari	Refresher Course	UGC – ASC, Burdwan University, Burdwan	07/11/2014	27/11/2014
3	Chemistry	Dr. Niloy Das	Refresher Course in Disaster Management	UGC-HRDC, Jadavpur University, Kolkata	20/10/2016	11/11/2016
4	Chemistry	Dr. Tuhin Ghosh	Refresher Course in Disaster Management	UGC-HRDC, Jadavpur University, Kolkata	20/10/2016	11/11/2016
5	Chemistry	Dr. Pradipta Kr. Basu	Refresher Course in Chemistry	UGC – ASC, Jadavpur University, Kolkata	02/01/2015	22/01/2015
6	Chemistry	Dr. Parnajyoti Karmakar	Refresher Course in Environmental Studies	UGC-HRDC, University of Burdwan, Burdwan	08/01/2016	28/01/2016
7	Economics	Samapti Saha	Refresher Course in Women, Culture, Performance	UGC – ASC, Jadavpur University, Kolkata	27/11/2014	17/12/2014
8	Economics	Dr. Debasis Chakraborty	4 th Refresher Course on Buisness Studies	UGC – ASC, Burdwan University, Burdwan	26/02/2015	18/03/2015
9	English	Dipankar Sen	Refresher Course in English	UGC – ASC, Pune University, Pune	03/01/2013	23/01/2013

Sl. No.	Department	Name of the Faculty	Name of the Course	Name of the ASC / Centre / Organizer	Period of the Course	
					From	To
10	English	Dr. Nilanjana Chatterjee (Das)	Refresher Course in English	UGC – ASC, Burdwan University, Burdwan	04/02/2015	24/02/2015
11	English	Arijit Goswami	Refresher Course in Comparative Literature	UGC – ASC, Burdwan University, Burdwan	07/11/2014	27/11/2014
12	Geology	Dr. Prabal Kumar Chattopadhyay	23 rd Refresher Course in Environmental Studies (Science)	UGC – ASC, Burdwan University, Burdwan	18/02/2014	10/03/2014
13	Geology	Bikas Saha	Refresher Course in Disaster Management	UGC – ASC, Burdwan University, Burdwan	07/03/2014	27/03/2014
14	Geology	Dr. Pradip Samanta	Refresher Course on Interdisciplinary Subject	UGC – HRDC, Jadavpur University, Kolkata	25/08/2014	13/09/2014
15	Geology	Dr. Pinaki Roy	Refresher Course	UGC – ASC, Jadavpur University, Kolkata	25/08/2014	13/09/2014
16	Geology	Dr. Subhajit Sinha	Refresher Course	UGC – ASC, University of Calcutta, Kolkata	19/11/2012	08/12/2012
17	Geology	Dr. Soumik Mukhopadhyay	Refresher Course	UGC – ASC, University of Calcutta, Kolkata	09/08/2010	28/08/2010
18	History	Roshni Sen	Refresher Course	UGC – ASC, Jadavpur University, Kolkata	09/02/2013	25/02/2013

Sl. No.	Department	Name of the Faculty	Name of the Course	Name of the ASC / Centre / Organizer	Period of the Course	
					From	To
19	Mathematics	Pratikshan Mondal	Refresher Course in Emerging trends in Mathematics and its applications	UGC – ASC, Jadavpur University, Kolkata	16/06/2015	06/07/2015
20	Philosophy	Rachana Basu	Refresher Course in Philosophy	UGC – ASC, Burdwan University, Burdwan	22/10/2013	11/11/2013
21	Philosophy	Aditi Patra	Refresher Course in Philosophy	UGC – ASC, Jadavpur University, Kolkata	21/11/2013	11/12/2013
22	Philosophy	Shalmoli Palit	Refresher Course in Philosophy	UGC – ASC, Jadavpur University, Kolkata	18/11/2014	08/12/2014
23	Philosophy	Bhumika Kanjilal	Refresher Course in Philosophy	UGC – ASC, Jadavpur University, Kolkata	18/11/2014	08/12/2014
24	Physical Education	Saumitra Karmakar	Refresher Course in Disaster Management	UGC – ASC, Burdwan University, Burdwan	07/03/2014	27/03/2014
25	Physics	Kripasindhu Kumar	Refresher Course	UGC – HRDC, Ranchi University, Ranchi	10/03/2015	30/03/2015
26	Physics	Dr. Swapan Kr. Ghosh	Refresher Course on Disaster Management	UGC – ASC, Burdwan University, Burdwan	07/03/2014	27/03/2014
27	Physics	Hrishikesh Mondal	Refresher Course	UGC – HRDC, Ranchi University, Ranchi	10/03/2015	30/03/2015

Sl. No.	Department	Name of the Faculty	Name of the Course	Name of the ASC / Centre / Organizer	Period of the Course	
					From	To
28	Political Science	Gargi Mukhopadhyay	Refresher Course in Disaster Management	UGC – ASC, Burdwan University, Burdwan	10/03/2015	30/03/2015
29	Zoology	Dr. Sutapa Datta	Refresher Course	UGC – ASC, University of Burdwan, Burdwan	11/06/2014	01/07/2014
30	Zoology	Dr. Utpal Singha Roy	Refresher Course in Biological Science	UGC – ASC, University of Burdwan, Burdwan	23/09/2015	13/10/2015
31	Zoology	Dr. Somenath Dey	Refresher Course in Biological Science	UGC – ASC, University of Burdwan, Burdwan	15/10/2011	04/11/2011
32	Zoology	Avisake Chakraborty	Refresher Course in Biological Science	UGC – ASC, University of Burdwan, Burdwan	10/10/2014	30/10/2014
33	Zoology	Achintya Kumar Pal	Refresher Course in Biological Science	UGC – ASC, University of Burdwan, Burdwan	10/10/2014	30/10/2014

List of Summer/Winter Schools, Short term courses/Workshops (organized by other agencies) attended by Faculty Members from 2010 to 2016 while posted in Durgapur Government College

Table 2.16

Sl. No.	Department	Name of the Faculty	Name of the Course	Name of the ASC / Centre / Organizer	Period of the Course	
					From	To
1	Botany	Dr. Debnath Palit	Summer School in Life Sciences	UGC – ASC, Burdwan University, Burdwan	05/09/2013	25/09/2013
2	Botany	Dr. Debnath Palit	Workshop for Academic Administrators	UGC – ASC, Burdwan University, Burdwan	16/04/2013	20/04/2013

Sl. No.	Department	Name of the Faculty	Name of the Course	Name of the ASC / Centre / Organizer	Period of the Course	
					From	To
3	Chemistry	Dr. Niloy Das	Short Term Course in Environmental Science	UGC-HRDC, University of Burdwan	24/05/2015	30/05/2015
4	Chemistry	Dr. Niloy Das	Workshop on "Modalities and Practices of IFMS and Income Tax: User End Responsibilities"	Department of Commerce, Durgapur Government College, Durgapur	27/04/2016	28/04/2016
5	Chemistry	Dr. Tuhin Ghosh	Short Term Course on Environmental Science	UGC-HRDC, University of Burdwan, Burdwan	24/05/2015	30/05/2015
6	Chemistry	Dr. Parnajyoti Karmakar	Short Term Course on Environmental Science	UGC-HRDC, University of Burdwan, Burdwan	24/05/2015	30/05/2015
7	English	Dipankar Sen	Spl. Winter School	UGC – ASC, Jadavpur University, Kolkata	19/01/2015	10/02/2015
8	Geology	Dr. Pinaki Roy	Certificate Course in Remote Sensing and GIS	Department of Science and Technology, Government of West Bengal	20/05/2013	12/07/2013
9	Geology	Pritha Goswami	National workshop on "Applications of Palaeontology in Archaeological Studies"	Indian Museum, Kolkata	09/11/2016	11/11/2016
10	History	Nandini Jana	Summer School on 'Indian History, Cultural Heritage and Value Education'	UGC – HRDC, University of Calcutta, Kolkata	29/05/2015	18/06/2015

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

Teaching learning methods/approaches: NIL

Handling new curriculum: The institution implemented CBCS Curriculum from the academic session 2016-2017 as per university directives. Therefore proper training of faculty members was required to handle the curriculum under CBCS system.

- Kazi Nazrul University organized National Workshop on CBCS Curriculum for faculty members on 27.05.2016 at TDB College, Raniganj, and West Bengal. This workshop was attended by faculty members (Members of Admission sub-committee) of Durgapur Government College.
- Workshops on syllabus designing and improvement were organized separately for each department by Kazi Nazrul University in the month of July 2016. Faculty Members of each department attended these workshops.
- University Workshop for syllabus designing of Geology Department was organized at Durgapur Government College.
- CBCS syllabus based workshop (partially funded by College) on "Early Medieval India: Old Concern, New Perspective" was organized on 15.02.2017 by Department of History, Durgapur Government College. Students and teachers of neighbouring colleges participated in the workshop.

Cross-cutting issues:

1. "KNOW YOUR CAMPUS" programme, funded by the IQAC organized seminar on 15.02.2017 and a campaign on 17.02.2017 for the identification and preservation of natural resources present in the college campus
2. Seminars on different cross cutting issues such as Acid Attack, Gender Equality, Suicide, Environmental Protection etc were organized by NSS Unit of the institution during the financial year 2014-2015 and 2015-2016.
3. Cell for Gender Sensitization and Prevention against Sexual Harassment organized a seminar to uphold the rights of women on the International Women's Day on 8th March 2016. This seminar involved wide participation by the students, teachers and staff of the college. Please refer to Criterion I for detailed list of seminars organized by the cell

Percentage of faculty

Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies:

Following faculty members were invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies:

1. Dr. Arpita Bose, Assistant Professor, Department of History
2. Dr. Utpal Singha Roy, Assistant Professor, Department of Zoology
3. Dr. Arup Kr. Ghosh, Associate Professor, Department of Chemistry
4. Samapti Saha, Associate Professor, Department of Economics
5. Dr. Shalmoli Palit, Assistant Professor, Department of Philosophy
6. Saumitra Karmakar, Assistant Professor, Department of Physical Education
7. Dr. Anindita Chatterjee, Assistant Professor, Department of English
8. Dr. Nilanjana Chatterjee, Assistant Professor, Department of English

Please refer to the details of participation provided in the evaluative reports of the respective departments.

Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies: 51%

Presented papers in Workshops / Seminars / Conferences conducted or recognized by national/ international professional agencies: 40%

2.4.4 *What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications, teaching experience in other national institutions and specialized programmes in industrial engagement etc.)*

- Members of faculty submit research proposals to different funding agencies like UGC, CSIR, DST, etc. for financial support
- The college promotes research orientation by creating the platform for publishing articles in **Communiqué**, the institutional academic journal (**ISSN-0973-8584**), where many faculty members from this institution and other institutions have published research papers. The last issue of "Communiqué" was published in 2015
- Study leave is a part of the service conditions of the faculty members and, the Department of Higher Education, Government of West Bengal is the granting authority for any leave associated with higher studies and research of the faculty members
- Permission for teaching in other national institutions and industrial engagement is also the discretion of the Department of Higher Education, Government of West Bengal

2.4.5 *Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.*

- Professor Achintya Kr. Sarkar received the "Shiksha Ratna" award from the Government of West Bengal in 2016. He served this College as Professor of Chemistry (WBSES) from 2013 to October 2015.

2.4.6 *Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?*

Yes

- Feedback information system helps to assess the problems of students regarding the teaching and learning processes.
- Feedback information system from reputed alumni is also taken into consideration. Suggestions from external members of IQAC have also helped to improve the quality of teaching-learning process.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- Faculty members inform the students about the syllabi and the evaluation system of the University
- Internal assessment pattern is also informed to the students
- Module-wise marks distribution for each and every subject is provided to the faculty members and students
- Parents-Teachers meetings serve as important forums for this purpose

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

- Internal assessment for CBCS curriculum has been adopted in accordance to the University norms
- Compulsory project work on Environmental studies has been adopted for final year undergraduate students as per the university curriculum
- Postgraduate students complete term paper projects during the final semesters as per the university curriculum
- College Test examination is conducted by the institution before the university examinations to assess the progress of students
- Each Department has its own mechanism for evaluation of students through class tests, surprise tests, viva-voce examinations etc
- Postgraduate term paper projects are primarily based on research work done by the students and project is presented by the students after completion

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

- An internal examination committee is constituted to supervise the internal examinations under CBCS Curriculum
- Different Examination sub-committees (for Part-I, Part-II and Part-III) are constituted by the Teachers' Council of the college for smooth conduct of examinations
- The Tabulation Committee maintains a record of the marks obtained by each student in different internal examinations. These are discussed in results-review meetings of the Teachers' Council

- Postgraduate projects involve discussions and critical reviews during open-house presentations
- Department of English has started the process of framing questions by students on topics included in the curriculum. By this process, faculty members evaluate students' grip on the topic
- Poster competitions by Department of History

2.5.4 *Provide details on the formative and summative assessment approaches adapted to measure student achievement. Cite a few examples which have positively impacted the system.*

- Formative Assessment is carried out by the evaluation of the students through class tests, performance of the students in the class, project presentation etc. Evaluated scripts are shown to the students for the understanding of the mistakes and the evaluation procedure
- Summative Assessment is carried out through the university examinations for undergraduate/postgraduate courses and term paper projects for postgraduate courses
- In case of a student's claim for higher grades in the university examination, departmental teachers, based on their assessment of the students regular performance, may encourage the student to apply for re-evaluation. There are quite a good number of instances where the students were duly benefitted by the guidance of the teachers of the department in this respect

2.5.5 *Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc).*

Ensuring Rigor and Transparency in the internal assessment

- Annual System for undergraduate courses was followed in the institution till the academic session 2015-2016. Marks of Internal assignments were not taken into account by the university in terms of marks scored in the public examinations/ results of students. From the academic session, 2016-2017, marks of internal assessment for undergraduate courses are sent to the university and this is taken into account in the overall marks scored in the paper/s. For postgraduate courses, marks of internal assessment marks are taken into account in the final results for all the academic sessions
- The teachers adhere to the pattern of evaluation prescribed by the University
- The assessed answer scripts of internal assessment examinations are given to the students for understanding the errors made by them and also the marking pattern

- Record of marks of internal examinations is maintained by respective departments.
- For Practical examinations, viva-voce is conducted by the external examiner appointed by the university
- Project works involve open-house presentations and hence ensure transparent evaluation system

Overall Development of students

- Students' Discipline Sub-Committee of the Teachers' Council addresses any matter related to behavioral aspects of students
- Day to Day, behavioral issues are dealt with at the departmental/individual level
- Students' are given the scope of independent learning during exhibitions, poster competitions, project preparation on Environmental Science
- Communications skills of students are developed during group discussions, exhibitions, interactions with expert during special lectures/seminars/conference/workshops
- Prizes (sometimes token) are given to students at college/departmental level to provide incentive

2.5.6 *What are the graduate-attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?*

As stated in the vision of the college, the graduate attributes of the College is to play a definitive role in nation-building by instilling in students the zeal to serve the larger community by becoming dedicated professionals in their chosen fields, its mission is to provide quality higher education with a sense of accountability within the students and to ensure accountability to the society at large. In this regard, self-reliance and skills in communication, coordination, planning, management, academic writing, and presentation skills are also expected from the students so that they can undertake any career that demands these skills. With a view to ensure attainment of these attributes the College maintains

- a harmonious ambience
- Undertakes rigorous teaching-learning programmes
- Participation in sports, co-curricular activities, and extension activities for community orientation are encouraged
- Many of the students who have graduated from different departments are currently pursuing higher studies in reputed institutions
- Students prepare wall magazines which provide a forum for expression of creativity

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

- Where internal examinations are concerned the answer scripts are shown to the students. The concerned teacher explains to the students their strength and weakness and suggests ways for better performance.
- If any student is not satisfied with the assessment in university examination, He/she may apply for scrutiny or review of answer scripts, which is duly forwarded by the College authority. The University has provisions to show answer scripts under RTI. The College provides complete support to any individual student who wishes to assess the evaluation of one's scripts through this method
- The institution has a Grievance Redressal Cell ("SAMADHAN") to address the grievances of students related to the evaluation process
- Grievances are sometimes addressed at parent-teacher meetings
- Grievances are sometimes taken up by the students' Union for redressal
- RTI applications can be submitted by the students to the Central Information Officer of Durgapur Government College
- In case of any major anomaly, students may also approach the Controller of Examinations or the Vice-chancellor for intervention. Even the department has the provision to write to the Controller's Office through the college office if and when necessary

2.6 Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If yes, give details on how the students and staff are made aware of these?

Yes,

Clearly stated learning outcomes:

- Holistic development to make students responsible citizens
- Grooming students for the competitive world
- Developing entrepreneurial skills

These are communicated to the students and staff as follows:

- Orientation classes
- Seminars and orientation courses organized by Counselling and Career Guidance and Placement Unit
- Notifications and seminar organized by NSS
- Academic calendar
- Support schemes, both financial and academic are publicized through website, social networking sites and manual notifications
- Awareness campaigns and rallies organized by different committees and units

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students' results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

- The progress and performance of every student is closely monitored throughout the duration of the course by the respective departments
- The results of internal examination are displayed on the departmental notice boards
- Results are also discussed in various Parents' teacher meetings for improvement
- The students are allowed to see the answer scripts to assess their own performance
- The University results are also displayed on the College notice board

Analysis of results in University Examinations

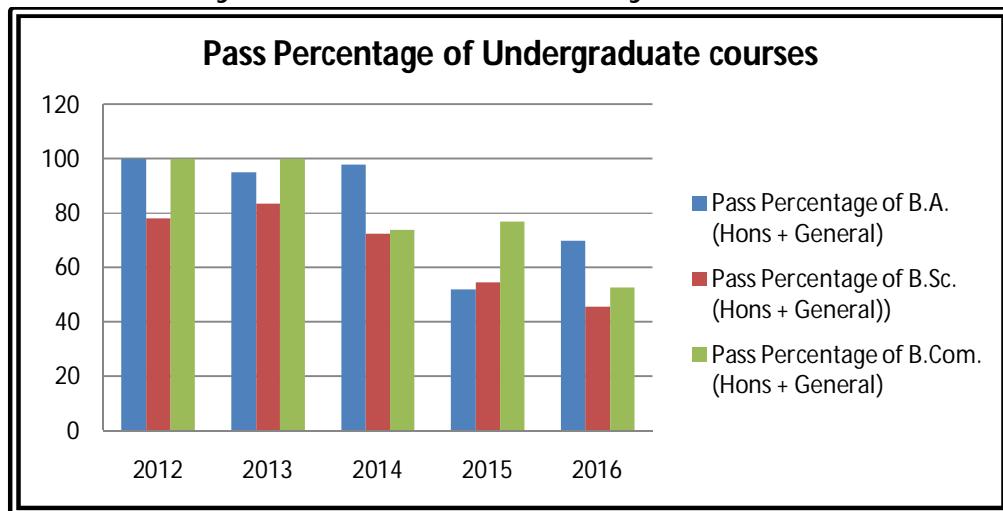


Fig. 2.8. Performance of students in University Examinations (Undergraduate)

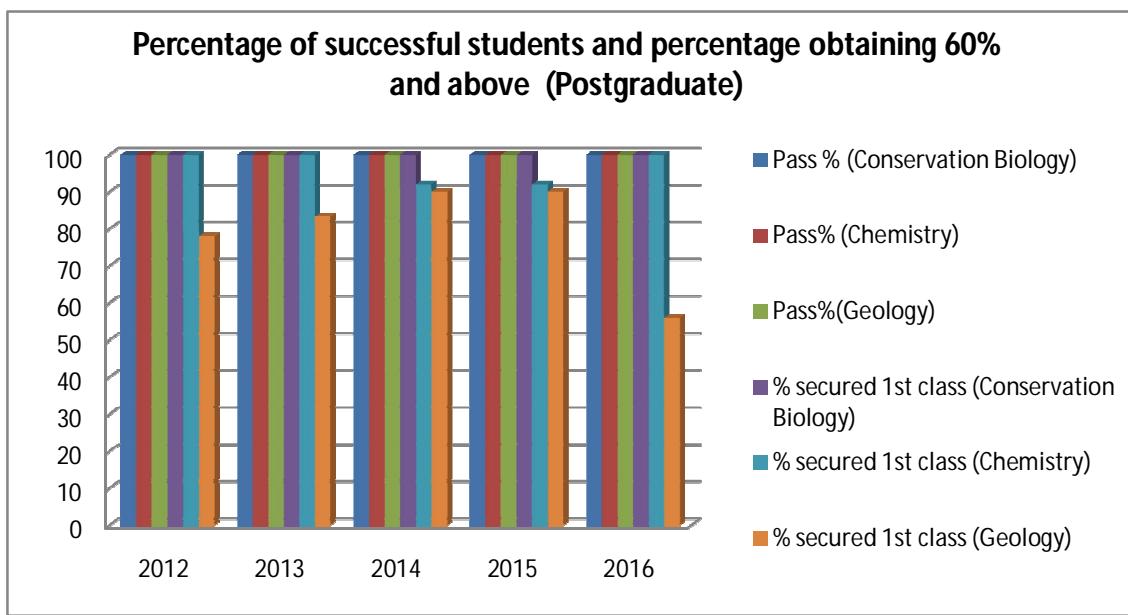


Fig. 2.9. Performance of students in University Examinations (Postgraduate)

The results of undergraduate Arts courses shows decrease in pass percentage from 2014 to 2015 and it has increased in 2016. Faculty strength is one of the major determinants in overall performance of the students. The results of undergraduate Science and Commerce courses show decrease from 2012 to 2016. One of the major reasons behind this is the phase wise publication of the merit list by Government and private Engineering and Medical Colleges. The number of institutions offering technical degrees have significantly increased in the last few years. The attraction of acquiring a technical degree to obtain employment quickly is one of the major factors. For postgraduate courses, the results for the last four years are consistent with almost 100% success ratio.

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The following schedule is implemented by the institution:

- At the beginning of each academic session, the academic calendar is prepared and published on the website
- Master Routine is then prepared by the routine committee. Each department then prepares its own routine countersigned by IQAC coordinator and Head of the institution which is displayed on the notice board
- Each teacher is assigned the module based units which are to be covered by him/her during the given period
- Teachers then accordingly prepare their lesson plans
- Assessment process is carried out in terms of class tests, surprise tests, viva-voce etc by each department
- Test Examinations are carried out centrally for all the subjects and the results are analyzed. Special classes are also arranged for challenged students
- Students submit the assignments for Environmental Studies during their final year and the projects are evaluated by the faculty members of the college
- Postgraduate students deliver lectures to present their term-paper projects during the final-semesters in the respective departments

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

1. UGC-Career Oriented Programme "Certificate Course in Corporate Communication" under the UGC-COP Scheme of the 11th Plan was run by Department of English from 2007 to 2011
2. Entrepreneurship Development Cell of Durgapur Government College was established and run in collaboration with National Entrepreneurship Network (NEN) – a non-profit organization under the Wadhwani Foundation, Mumbai from 2008 to 2011
3. Counselling and Career Guidance and Placement Unit organized the first phase interview for recruitment of final year Chemistry Honours students by "East India Pharmaceuticals Ltd" on 10.01.2017
4. Counselling and Career Guidance and Placement Unit of the institution organized orientation course on 20.01.2017 and special lecture on 08.02.2017 from different fields to impart innovative ideas of entrepreneurship and research aptitude among the students

5. Department of Chemistry organized Seminar on "Enterpreneurship in Chemistry and related areas" for students
6. National Conference on the interdisciplinary subject "Non-linear dynamics and its applications" was organized by Department of Physics from 07th to 09th February 2017 to impart research aptitude among students

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

- Tabulation Committee of the College collects data of the performance of the students in college and university examinations.
- Test examination results are reviewed by the teachers of the respective departments. The data is also analyzed and reviewed by the IQAC.
- University results are analyzed by teachers of respective departments to identify the key areas which need to be addressed.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

- College and University examination results are considered for assessment of students.
- Assessment of formal and informal feedbacks from different stakeholders help the process of monitoring the teaching and learning in the college
- Participation and Performance of students in NSS, NCC and Sports are monitored by IQAC and suggestions are provided for improvement.

2.6.7. Does the institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Yes, partially. Assessment/evaluation outcomes are not the sole indicators for evaluating student performance. Behaviour, participation in co-curricular and extra-curricular activities, keenness and ability to shoulder responsibilities are some of the things that are also taken into serious account while evaluating student performance.

The assessment of students is done on the basis of following:

- **Regularity in attendance:** Record maintained by respective department
- **Independent thinking:** Ability of students to put up query/question in class apart from the basic learning.
- **Communication skill:** Ability to interact in classroom and group discussions
- **Performance in different examinations:** Record is maintained by respective department.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

- Communication skill is an important part of teaching and learning process. This depends on frequent interaction of faculty members with the students and increasing the computer literacy. This is taken into account to train the students at undergraduate level
- Postgraduate students require preliminary training of the research methodology to continue with their higher studies. This is taken into account while training the postgraduate students and they are encouraged to develop a research oriented mind
- Learning process depends on the overall development of the student in addition to the academic activities. The institution always encourages participation of students in NSS, NCC, Sports and other community related initiatives

CRITERION - III

RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

Yes.

Dr. Debnath Palit, Associate Professor, Department of Botany, is the recognized Research Guide (Supervisor) in Conservation Biology under the University of Burdwan (Vide R-Ph.D. / Recognition/ Conservation Biology dated 17.01.2012). Please Refer to Ans: 3.1.5 for details of Ph.D guidance by Dr. Debnath Palit.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

A Research Advisory Board has been constituted to provide valuable suggestions and advice. IQAC mainly monitors and addresses the issues of research in the institution. Two committees have been formed by the Teachers' Council to monitor and address the issues of research in association with the IQAC.

Table 3.1
Composition of Research Advisory Board

SL NO.	NAME	STATUS
1	Sanjoy Kumar Roy, Officer-in-charge	Ex-officio Chair person
2	Prabir Dasgupta, Department of Geology, Durgapur Government College	Coordinator (Member Secretary)
3	Professor Avijit Banerji, Retired Professor, Department of Chemistry, University of Kolkata & Presently, Prof. Ashutosh Mukherjee Fellow, National Research Institute for Ayurvedic Drug Development (NRIADD), Salt lake, Kolkata.	Member
4	Professor Sajal Kumar Maity, Professor of Commerce in W.B.S.E.S., & Head, P.G. Department of Commerce, Hooghly Mohsin College, Hooghly, West Bengal.	Member

SL NO.	NAME	STATUS
5	Dr. Jitamanyu Chakrabarty, Department of Chemistry, National Institute of Technology, Durgapur, West Bengal.	Member
6	Professor Shanta Dutta, Professor of English, Former Head & Former Dean, Humanities & Social Science, Department of English, Presidency University, Kolkata, West Bengal	Member
7	Dr. Ratnabali Chatterjee, Formerly Professor, Department of Islamic History & Culture, Calcutta University, Kolkata, West Bengal	Member
8	Professor Nibir Mandal, F.N.A Department of Geological Sciences Jadavpur University	Member

UGC PFMS & SEMINAR PROPOSAL SUB-COMMITTEE

1. Dr. Debnath Palit; Associate Prof. of Botany: Joint Convener
2. Subrata Ghosh; Associate Prof. of Geology; Joint Convener
3. Dr. Devika Bose; Associate Prof. of English
4. Dr. Prabir Dasgupta; Associate Prof. of Geology
5. Siddhartha Sankar Rej; Associate Prof. of Geology
6. Ashish Kr. Mukhopadhyay; Associate Prof. of Commerce
7. Dr. Sudipta Das; Associate Prof. of Zoology
8. Manjari Ghosh; Associate Prof. of English
9. Dr. Arup Kr. Ghosh; Associate Prof. of Chemistry

Journal and Publication Committee

1. Dr. Suprotim Pal- Convenor; Associate Prof. of Geology & IQAC Coordinator
2. Jayanta Kr. Mitra; Associate Prof. of Commerce
3. Dr. Bhumika Kanjilal; Assistant Prof. of Philosophy
4. Dr. Anindita Chatterjee; Assistant Prof. of English
5. Dr. Debnath Palit; Associate Prof. of Botany
6. Renuka Adhikary; Assistant Prof. of Bengali
7. Dr. Prabir Dasgupta; Associate Prof. of Geology
8. Dr. Debamitra Dey; Assistant Professor of Sanskrit
9. Dr. Prabal Kr. Chattopadhyay; Assistant Professor of Geology
10. Dr. Ramit Das; Assistant Professor of English

Following are some of the recommendations of these sub-committees. Some of the recommendations have already been implemented.

- Immediate formation of a Research Advisory Body comprising eminent academicians and important persons from the corporate world. A Research Advisory Body has accordingly been formed on 15.02.2017

- Promotion of interdisciplinary research including teaching; steps are being initiated to encourage research work of such nature
- Borrowing and lending of expertise within the college as and when necessary. For instance, a section of the syllabus of the Department of Bengali based on the History of English Literature may be taught in collaboration with the Department of English. These and other departments which may exchange expertise and knowledge have already entered into dialogues in the interest of all stakeholders
- Making information related to research, funding agencies available to all faculty members; notifications, mails, information brochures, e-links, posters are increasingly used to spread knowledge on these areas
- Preservation and display of research work in e-form and in hard copies in the Central Library of the college; the Central Library is already being enriched with such works in soft and hard copy form
- Encouraging organisation of Seminars/Symposia/ Workshops/ Talks by external experts on new and emerging areas of learning; the number of such activities has increased considerably after this was pointed out
- Recognizing the research contribution of faculty by utilizing the knowledge in proper ways in the institution, e.g. use of solar energy
- To make known the patents possessed by faculty member/s and to promote further research in related fields
- Reviewing the stocks purchased from different research grants and ensuring that the non-recurring items purchased from completed research projects are preserved in the respective departments.
- To encourage identification and utilization of the resources available inside the campus or in its adjoining areas to facilitate research while teaching and also to include students/faculty members in the work
- Launching of a website and opening of a Blog by the IQAC exclusively for this purpose

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?

• **autonomy to the principal investigator**

Full autonomy is given to the principal investigator for smooth implementation of the research project.

• **timely availability or release of resources**

The research funds obtained from different funding agencies are released from the college office without delay as and when required by the principal investigator.

• **adequate infrastructure and human resources**

The institution provides basic infrastructural facilities such as library, laboratory, computer and internet facilities to carry out the research work.

- ***time-off, reduced teaching load, special leave etc. to teachers***
 - One Day/per week has been allotted to the teachers for preparatory/research work as per government order
 - Teachers can also avail study leave according to the West Bengal State Government rules with prior approval from Higher Education Department to pursue research work
 - Teachers can carry out research project tours mainly during summer, winter or puja vacations of the college
 - Teachers can also avail the faculty development scheme of UGC with prior approval from Higher Education Department
 - 'Leave on Duty' is granted to the teachers who present papers/participate in seminars/symposia and conferences
- ***support in terms of technology and information needs***

Internet facilities, equipment, books and journals are made available for research as far as practicable
- ***facilitate timely auditing and submission of utilization certificate to the funding authorities***

Research sub-committee and IQAC ensure the timely auditing and submission of utilization certificates for different research grants obtained from the funding authorities.
- From the DST-FIST grant, two equipment were purchased and these have been installed under Central Instrumentation facility for interdisciplinary research activities. Following research works were carried out using these facilities:
 1. Aksenov, S.M., Rastsveteva, R.K., Mitchell, R.H. and **Chakrabarty, A.**, 2014. Crystal Structure of Manganese-Rich variety of Eudialyte from Suchina Hill, India and Manganese Ordering in Eudialyte-group Minerals. *Crystallography Reports*, 59(2): 146 – 154. [Dr. A. Chakrabarty was the faculty of Geology Department and has been presently transferred from this college]
 2. **Chakrabarty, A.**, Mitchell, R. H., Ren, M., **Saha, P. K.**, Pal, S., Pruseth, K. L., Sen, A. K. (under revision) Magmatic- to - hydrothermal and metamorphic evolution of the aplitic nepheline syenites of the Sushina Hill Complex, India. *Mineralogical Magazine*. This research paper out of the M.Sc. dissertation work of Pritam Kumar Saha under the guidance of Dr. A. Chakraborty has been communicated, peer reviewed and under revision]
- Following additional measures have been taken by the institution in association with IQAC, UGC-PFMS and Seminar Proposal sub- committee & Journal and Publication committee to promote research activities of faculty members in the college:
 - i. Encouraging faculty members to get registered for Ph.D programme in the institution convenient for them and also providing assistance to follow up with the official formalities
 - ii. Encouraging faculty members to carry out collaborative research work
 - iii. Encouraging the exploration of innovative research areas for postgraduate dissertations

- iv. Screening of research proposals before submitting them to various funding agencies. Consequently, different minor and major research projects are ongoing and have been completed by the faculty members
- v. Encouraging faculty members to participate in seminars/symposia/workshops etc and present their research work.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

- The college encourages logical/rational approach in students to address various issues
- Exhibitions are organized by all the departments every year by the institution. Every department chooses an area, makes a detailed study and the students from the different departments prepare innovative models, charts, posters etc. Awards are given to three of the best participating departments
- Undergraduate students complete projects on environmental studies in the final year as a part of their course curriculum which develops their scientific temper
- Wall Magazine is published by some departments like the Department of Botany, Department of English, Department of Philosophy and, the NSS unit, the Gender Cell of the college. Initiative is being taken to start wall magazine in other departments



Fig.3.1: Inauguration of Wall Magazine Sahas of NSS Unit in 2012

- Postgraduate students complete term paper project dissertations in their final semesters under guidance of teachers. Faculty members take the initiative to ensure that these projects are research based and can impart the knowledge of pre-research methodology
- Students are encouraged to follow basic research methodology (for instance, providing publication details of the books referred to and including a select bibliography in the assignments)

- Students are encouraged to participate/present papers in classrooms and at seminars/workshops.
- Students also participate in Inter-college Quiz competitions, State-level Debate competitions, activities which require a lot of research work.

Table 3.2

SI. No.	Year	Seminar/Conference/workshops attended by students	No. of Students Participated/Dept	Remarks
1.	2010	19 th West Bengal State Science and Technology Congress; Organized by Saha Institute of Nuclear Physics and Paschim Banga Bigyan O Prajukti Sansad, Kolkata	1/ Conservation Biology (oral presentation)	
2.	2011	Climate Change: A dagger in disguise affecting biodiversity; Organized by TDB College, Asansol and University of Burdwan	1/ Conservation Biology	
3.	2011	International Conference on Biodiversity & Aquatic Toxicology; Organized by Acharya Nagarjuna University, Andhra Pradesh.	1/ Conservation Biology	Secured first prize for oral presentation
4.	2012	Seminar on 'From Literature to Cinema' at NIT Durgapur	07/ English	
5.	2013	Hands on Workshop in "Bioinformatics, Computer Aided Drug Designing and its Application in Real Time."; Organized by Nitza Biologicals, Durgapur College of Commerce and Science	02/ Conservation Biology	
6.	2013	Field Training Programme on Identification of common plants; Organized by West Bengal Biodiversity Board, Kolkata	01/ Conservation Biology	
7.	2014	Center for Biodiversity & Conservation of Natural Resources; Organized at Koraput, Orissa	01/ Conservation Biology	Secured first prize for best oral presentation
8.	2014	Short-Term Training Program on Instrumental Application and Chemical Analysis For Environmental Samples; Organized by Dept of Chemistry, National Institute of Technology, Durgapur	05/ Conservation Biology	
9.	2015	National Seminar on Higher Education: What India Needs?; Organized by International Benevolent Research Foundation, Kolkata	01/ Conservation Biology	
10.	2015	3rd School in Herpetology- Phase II; Organized by Science and Technology Research Board, DST	01/ Conservation Biology	
11.	2016	Quality Standardisation in Air and Water including detection of Histotechnological Parameters; Organized by Dept of Environmental Science, University of Burdwan	02/ Conservation Biology	

Sl. No.	Year	Seminar/Conference/workshops attended by students	No. of Students Participated/Dept	Remarks
12	2016	From Molecules to Ecosystem: A Zoological Perspective; Organized by Ramkrishna Mission, Vivekananda Centenary College, Kolkata	01/ Conservation Biology	
13	2016	Workshop on 'Greek and Roman Historians'; Organized at Raniganj Girls College	10/History	

- Field trips and educational tours nurture research aptitude provide exposure to new areas of knowledge; provide information about scope of employment and research work in related fields.

Table 3.3

List of Field trips/Educational tours organized by different Departments

Sl. No.	Department	Date/Year	Place of Visit	No. of Students participated	Remarks
1	Geology	20/01/2011 to 04/02/2011	Jodhpur, Rajasthan	UG (3 rd year B.Sc. Hons.) and PG dissertation students	
		08/12/2011 to 21/12/2011	Beware, Rajasthan	UG (2 nd year B.Sc. Hons.)	
		18/02/2012 to 27/02/2012	Chorhat, Madhya Pradesh	PG dissertation students	
		13/08/2012 to 29/08/2012	Bagalkot, Karnataka	PG dissertation students	
		24/01/2013 to 03.02.2013	Chandipore, Orissa	UG (3 rd year B.Sc. Hons.)	
		02/03/2013 to 13/03/2013	Jodhpur, Rajasthan	PG dissertation students	
		27/08/2013 to 14/09/2013	Bagalkot, Karnataka	PG dissertation students	
		18/12/2013 to 02/01/2014	Jodhpur, Rajasthan	PG dissertation students	
		11/10/2014 to 24/10/2014	Bhuj, Gujarat	PG dissertation students	
		10/02/2015 to 26/02/2015	Jodhpur, Rajasthan	PG dissertation students	

Sl. No.	Department	Date/Year	Place of Visit	No. of Students participated	Remarks
2	Conservation Biology	2010	Lava, Lolegaon, Darjeeling, Sundarbans	All Post graduate students of Department of Conservation Biology	
		2011	Ranthambhor		
		2012	Kanha National Park		
		2013	Duars (Buxa Tiger Reserve and Rasikbeel)		
		2014	Duars (Buxa Tiger Reserve and Rasikbeel)		
		2015	Duars (Buxa Tiger Reserve and Rasikbeel)		
		2016	Digha, Sankarpur, Tajpur		
		2010-2016	Local field trip on regular basis near Durgapur Barrage, Amarabati and City centre wetland, Pardaha Grassland etc.		
3	History	2012	Temple town of Bishnupur	32	
		2013	Visvabharati, Santiniketan	25	
		2014	Indian Museum, Kolkata	14	
3	History	2016	Site Museums at the ancestral houses of Swami Vivekananda and Rabindranath Tagore, Kolkata	15	
		2017	Museum and archives at Chandernagore, Sacret Heart Church, Colonial Buildings, Museum and archives at Serampore College/Carey Library and Research Centre, St. Olar's Church	16	Students got hands on experience of making of an archive, understood the historical perspective of colonial input on Bengal and developed team spirit
4	English	2012	Santiniketan	All Honours students of English Department	Sujaan Mukherjee, Ph.D Scholar at Jadavpur University, gave an on-location talk on the South Park Cemetery to students. Lecture was delivered by Prof. Dipankar Sen (Department of English, Durgapur Government College) and Prof. Roshni Sen (Department of History, Durgapur Government College).
		2014	Study trip to Kolkata on The Performing Body as Text; Adaptation and Reception; Constructing the past of a Nation through Conservation; The Colonial Heritage		

Sl. No.	Department	Date/Year	Place of Visit	No. of Students participated	Remarks
4	English	15 th July 2016	Roopkala Kendro, Film And Social Communication Institute under Information & Cultural Affairs Department, Government of West Bengal(Block GM, Sector V, Salt Lake City, Kolkata-700 091)	Students of 2 nd year Honours (2016-2017) : 15 students	
		September 2016	A study trip to watch the screening of the movie 'Pink' at the Bioscope Cinemas, Junction Mall, Durgapur	Students of 3 rd year Honours (2016-2017): 25 students	
5	Botany	20.11.2011 to 27-11-2011	Lava, Lolegaon and Darjeeling	All undergraduate Honours students	
		10.09.12	College campus and adjoining areas		
		26.02.2013	A.J.C. Bose Indian Botanical Garden, Shibpur, Howrah.		
		27.09.2013	College campus and adjoining areas		
		10.01.2014	A.J.C. Bose Indian Botanical Garden, Shibpur, Howrah.		
		29.01.15- to 31.01.15	Sundarban		
		05.12.2015	College campus and adjoining areas		
		17.02.2016	A.J.C. Bose Indian Botanical Garden, Shibpur, Howrah.		
6	Philosophy	21.01.2017	Belur Math and Ramakrishna Mission Vidyamandir	19	Special lecture was arranged at Ramakrishna Mission Vidyamandir on "THE ETHICS OF THE MAT BHAGAVAT GITA: WITH SPECIAL REFERENCE TO THE CONCEPT OF NISKAMAKARMA AND STHITAPRAJNA by the Principal ,Ramakrishna Mission Vidyamandir Sastrajanananandaji Maharaj.

Sl. No.	Department	Date/Year	Place of Visit	No. of Students participated	Remarks
7	Zoology	20.11.2011 to 27.11.2011	Lava, Lolegaon, Darjeeling and adjoining areas	B.Sc. 2 nd Year (H) Excursion	
		18.11.2013 to 24.11.2013	Buxa, Rajabhatkhawa and adjoining areas	B.Sc. 2 nd Year (H) Excursion	
		12.02.2015	Santiniketan, Birbhum and adjoining areas	B.Sc. 2 nd & 3 rd Year (H) Excursion	
		09.01.2016 to 12.01.2016	Digha and adjoining areas	B.Sc. 2 nd & 3 rd Year (H) Excursion	
		16.09.2016	Durgapur Barrage and adjoining regions	B.Sc. Sem-I (H) Excursion	
		17.11.2016	Amarabati fishpond visit	B.Sc. Sem-I (H)	
		17.01.2017 to 23.01.2017	Visakhapatnam and adjoining areas along the east coast of Bay of Bengal	B.Sc. 2 nd Year	



Fig. 3.2. Students studying different aspects of modern tidal flat at Chandipur during geological field training programme.



Fig. 3.3. Zooplankton collection by Zoology department at Amarabati fishpond on 17.11.2016



Fig. 3.4: Dr. Sudipta Das, Head, Department of Zoology, while introducing the marine ichthyofaunal diversity to students at Digha fish market on 10.01.2016

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

Ph.D Guidance

Dr Debnath Palit is the Recognized Research Guide (Supervisor) in Conservation Biology under The University of Burdwan.

Candidates awarded Ph.D. Degree under guidance of Dr. Debnath Palit in 2016

- 1) Santanu Gupta (DST, Government of India, INSPIRE Fellow) 2016 "Assessment of Ecological and Socioeconomic Valuation of Wetlands in Birbhum District, West Bengal, India for conservation and sustainable use".
- 2) Aparajita Mukherjee (2016) "Studies on the ecological and socio-economic services of wetlands to the rural people of Bankura district, West Bengal, India"
- 3) Debalina Kar (2016) "Phytoremediation of some selected wastelands in colliery belt of Raniganj, West Bengal, India".

Candidates registered under guidance of Dr. Debnath Palit for pursuing Ph.D Degree

- 1) Payel Majumder [DST, Government of India INSPIRE Fellow.] (2013) *Studies in microbial diversity through time of coal mine generated wastelands of West Bengal in understanding their role in soil reclamation.*
- 2) Shiboram Banerjee .(2015) *Air quality monitoring using available plant species of Durgapur Industrial Township, West Bengal.*
- 3) Babli Garai (2015) *Succession of plant diversity based on selected Pitlakes of Raniganj Coalfields, India.*

Ph.D Guidance as Co-guide:**• Name of Ph.D guides:**

Dr. Abdul Matin, Professor, Department of Geology, University of Calcutta

Dr. Prabir Dasgupta, Associate Professor, Department of Geology, Durgapur Government College

Name of the Research Fellow: Sumit Dey

Fellowship status: UGC NET Fellow

Registration: Presently registered under the University of Calcutta

Topic of research: Evaluation of the stratigraphy and depositional setting of the Lesser Himalayan Krol succession in Himachal Pradesh, Western Himalaya

• Name of Ph.D guide:

Dr. Supratim Pal, Associate Professor, Department of Geology, Durgapur Government College

Name of the Research Fellow: Rikta Chatterjee

Fellowship: DST-INSPIRE Fellowship

Date of enrolment: 01-02-2016

Date of completion of Ph. D course work : 23-12-2016 (at IEST, Shibpur)

Date of Registration: Within 23-06-2017

Topic of research: Petrological evolution of the granulite inliers occurring in and around Balaran, north Gujarat along the western boundary of the southern sector of Delhi Fold Belt.

Research Projects, Ongoing/Completed by faculty members while posted in Durgapur Government College in the last 5 years

Table 3.4 (a)
Major Research Projects

Project Title	PI / Co-PI	Funding Agency	Duration	Amount (Rs.)	Status
New polyfunctional ferrocene derivatives with N-substituted 3,5-diphenylpyrazolyl unit-potential ligands for palladium (II) and platinum(II)	Dr. Pradipta Kumar Basu (PI), Assistant Professor of Chemistry	Department of Science & Technology, Govt of India (SERC fast track scheme)	2009-2013	Rs. 17,92,200/-	COMPLETED (PI on transfer from Hooghly Mohsin College)
Study of the Sub-Himalayan Lower Cenozoic succession with special reference to the reconstruction of tectonosedimentary history of Subathu basin.	Dr. Prabir Dasgupta, (PI), Associate Professor of Geology	Ministry of Earth Science, Government of India (Sanction No: MoES/P.O. (Geosci)/3/2012, Dated 5.6.2013)	2013-2016	Rs 8,00,000/-	COMPLETED (PI on transfer from Presidency University)

Project Title	PI / Co-PI	Funding Agency	Duration	Amount (Rs.)	Status
Integrated Project on Conservation, Demonstration and Training on sustainable use of Medicinal Plants for up gradation of Livelihood of the poor families of backward classes in Bankati Gram Panchayat area, Burdwan District, West Bengal.	Dr. Debnath Palit (Co-PI), Assistant Professor of Botany & HOD of Conservation Biology (2010-2014)	Department of Science & Technology, Government of WB	2009-2012	Rs. 2100000/-	COMPLETED
Ecological appraisal of pit lakes of Raniganj coal field (RCF), West Bengal, India: implications for conservation and sustainable use	Dr. Debnath Palit (PI), Assistant Professor of Botany & HOD of Conservation Biology (2010-2014)	Department of Science & Technology, Government of WB	2014-2017	Rs. 29,17,533/-	ON GOING
Sedimentation and sequence building of the Neoproterozoic Jodhpur Group, Rajasthan.	Dr. Pradip Samanta (PI), Assistant Professor of Geology	Department of Science & Technology, Government of India (SERC fast track scheme) vide No: SR/FTP/ES-03/2011 Dt. 16/02/2012	2012-2015	Rs. 18,55,000/-	COMPLETED
Mineralogy, Geochemistry and Geochronology of the Alkaline and peralkaline rocks of the chandil formation: their role and relation to the northern shaer zone and crustal evolution	Dr. Aniket Chakraborty (PI), Assistant Professor of Geology	Department of Science & Technology, Government of India (SERC fast track scheme) Vide No. SR/FTP/ES-65/2013, dated 16.04.2014	2014-2017	Rs. 21,50,000/-	ON GOING (Transferred to Jalpaiguri Government Engineering College)
Study of alkaline-carbonatite complexes as potential resource for REEs, Nb-Ta and U-Th	Dr. Aniket Chakraborty (Co-PI), Assistant Professor of Geology	Science and Technology, Ministry of Mines, Govt of India	2015-2018	At IIT-Roorkee	ON GOING (Transferred to Jalpaiguri Engineering College)
Eco-restoration of wetlands in Birbhum district, West Bengal for sustainable use	Dr. Debnath Palit (PI), Assistant Professor of Botany & HOD of Conservation Biology (2010-2014)	Department of Environment, Government of WB	2010-2013	Rs. 4,60,000/-	COMPLETED

Table 3.4 (b)
Minor Research Projects

Project Title	PI	Funding Agency	Duration	Amount (Rs.)	Status
Graphene- Metal Oxide Based Polymer Nanocomposite – A Study of Thermal and Flame Retarding Behaviour	Dr. Arup Kumar Ghosh, <i>Associate Professor of Chemistry</i>	UGC (ERO Project No. F.PSW-015/14-15)	03.02.15 - 02.02.2017	Rs. 3,00,000/-	Project Completed, Report and UCs will be submitted shortly
Education and self development	Dr. Bhumika Kanjilal, <i>Assistant Professor of Philosophy</i>	UGC (ERO Project No. PHW-017/14 - 15)	2015-2017	Rs. 3,00,000/-	ON GOING
Assessment of odonate diversity and abundance in relation to habitat heterogeneity and anthropogenic interventions in and around industrial areas of Durgapur, India	Dr. Utpal Singha Roy, <i>Assistant Professor of Zoology</i>	UGC (ERO Project No. PSW-013/14-15)	2015-2017	Rs. 3,00,000/-	ON GOING
Geochemical modeling & Provenance interpretation through mathematical simulation	Madhusudhan Garain, <i>Assistant Professor of Physics</i>	UGC (ERO Project No. PSW-016/13-14)	2014-2016	Rs. 300000/-	ON GOING (Transferred to GGDC, Ranibandh)
Fluvial processes, morphology and depositional behavior of Kunur River system, West Bengal: A study from source to sink	Dr. Subhajit Sinha, <i>Assistant Professor of Geology</i>	UGC (ERO Project No. PSW-014/14-15)	2015-2017	Rs. 400000/-	ON GOING (resigned from WBES)
The Anglo Indians of Asansol: A historical overview	Roshni Sen, <i>Assistant Professor of History</i>	UGC (ERO Project No. PHW-021/13-14)	2014-2016	Rs. 200000/-	COMPLETED (Transferred to GGDC, Mejia)

Project Title	PI	Funding Agency	Duration	Amount (Rs.)	Status
A Study on Indoor Air Pollution and its Impact on Human Health over the Selected Locale around the Industrial Area of Durgapur, West Bengal to find out Better Management Options	Dr. Snigdha Mandal, Associate Professor of Chemistry	UGC (ERO Project No. PSW-011/11-12)	2011-2013	Rs. 1,43,000/-	COMPLETED
Eco-friendly technology for restoration mined wastelands in Raniganj Colliery areas	Dr. Debnath Palit, Assistant Professor of Botany & HOD of Conservation Biology (2010-2014)	UGC (ERO) Project No. PSW- 017/09-10	2009-2011	Rs. 93,500/-	COMPLETED
Ecological and limnological investigations on wetlands of Bankura District: implications for promoting sustainable management and wise use of wetlands	Dr. Debnath Palit, Assistant Professor of Botany & HOD of Conservation Biology (2010-2014)	UGC (ERO) Project No. PSW-008/12-13	2012-2014	Rs. 95,500/-	COMPLETED
Glimpses of India in Bengali travel accounts of the nineteenth and twentieth century: A few case studies	Saubhik Bandyopdhyay (PI), Assistant Professor of History	UGC (ERO Project No. PHW-022/13-14)	2014-2016	Rs. 145000/-	ON GOING
Bramho female and the religious journey to a new faith: Conciliation or confrontation?	Nandini Jana (PI), Assistant Professor of History	UGC (ERO Project No. PHW-020/13-14)	2014-2016	Rs. 180000/-	ON GOING
Thermodynamic and kinetic studies on reaction of Pt(II) complexes with biologically relevant nucleophiles	Dr. Parnajyoti Karmakar (PI), Assistant Professor of Chemistry	UGC (ERO Project No. PSW-122/11-12)	2012-2014	Rs. 190000/-	COMPLETED

Project Title	PI	Funding Agency	Duration	Amount (Rs.)	Status
Inclusion assisted fluorescence resonance energy transfer	Dr. Bankim Chandra Ghosh (PI), Assistant Professor of Chemistry	UGC (ERO Project No. PSW-123/11-12)	03.04.12-02.04.14	Rs. 185000/-	COMPLETED
Structural elucidation of polysaccharides from selected natural resources of North Bengal and study of biological activities of their chemically modified form	Dr. Tuhin Ghosh (PI), Assistant Professor of Chemistry	UGC (ERO Project No. PSW-071/12-13)	2013-2015	Rs. 198000/-	COMPLETED (On transfer from ABN Seal College)
N-iodosuccinimide mediated regioselective heterocyclisation of different C-allylated carbocycles and heterocycles and screening of their biological activities	Dr. Pradipta Kumar Basu (PI), Assistant Professor of Chemistry	UGC (ERO Project No. PSW-013/11-12)	2011-2013	Rs. 193000/-	COMPLETED
Studies on reliability-redundancy optimization in internal environment	Dr. Sanat Kumar Mahato (PI), Assistant Professor of Mathematics	UGC (ERO Project No. PSW-006/12-13)	2013-2015	Rs. 194000/-	COMPLETED
Study of the family Oppelidae (Ammonoidea) from the Mesozoic basins of peninsula India (Jaisalmer and Kutch): phylogenic systematic & biostratigraphic correlation	Dr. Pinaki Roy (PI), Assistant Professor of Geology	UGC (ERO Project No. PSW-008/11-12)	2011-2013	Rs. 173500/-	COMPLETED
Proterozoic biosedimentology in the light of appraisal of potential microbial mat structures in the Vindhyan siliciclastics, Central India.	Dr. Pradip Samanta (PI), Assistant Professor of Geology	UGC (ERO) No: PSW-010/11-12 (ERO) Dt. 03/08/2011	2011-2013	Rs. 157500/-	COMPLETED

Project Title	PI	Funding Agency	Duration	Amount (Rs.)	Status
The effect of National Rural Employment Scheme (NREGS) on migration of Labour: A Case study	Samapti Saha(PI), Assistant Professor of Economics	UGC (ERO) No. PHW-251/11-12, dt. 25.01.2012	2012-2014	Rs. 95,500/-	COMPLETED (PI on transfer from ABN Seal College)

Details of Research Collaboration

Faculty members have formal and informal collaborations with different universities and research bodies. Please refer to Table 1.1 of Chapter 1 for details of such collaborations.

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

Table 3.5

SI. No.	Organising department/s,Cells, Units of the College	Name of the Seminars/ Conference/ Workshops/ Awareness programmes organized	Date, Year	Source of Funding: College/National/ International/Any other
1	Department of Conservation Biology	Biodiversity is not essential for sustainable development	May 2015	College Sponsored
2	Department of Commerce	State Level Workshop: Modalities and Practices of IFMS and Income Tax: User End Responsibilities	27 th and 28 th April 2016.	College sponsored
3	Department of Philosophy	State Level Seminar: Glimpses and thoughts of some contemporary Indian Philosophers	21 st September 2016.	ICSSR sponsored
4	Department of Physics	National Conference: <i>Non-linear Dynamics and its Applications</i>	7 th to 9 th February 2017.	DST, DRDO and DAE sponsored
5	Department of Physics	One Day Seminar on "Discovery of Gravitation Wave"	14th January 2017	College Sponsored In association with APC Roy Scientific Society



Fig. 3.5. Eminent Scientist, Prof. Shyamal Kr. Bhadra, Department of Physics, Indian Association for the Cultivation of Science, Kolkata addressing the audience at the National Conference on "Non-Linear Dynamics and its Applications" organized by Department of Physics

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

Table 3.6
Prioritized Research Areas of the Faculty members

Department	Name of Faculty members	Prioritized Research Areas/Field of research interest
Bengali	Dr. Bhismadeb Mukhopadhyay	Swadhinata uttor bangla natok:deshbivag o udbastu jibon, Positivism ebong Ekjon Nibedito Pran Positivist, Je Se Lok Chilen na Krishnakamal
	Renuka Adhikari	Rabindra kabye-Rupkatha
	Shreya Ray	Swadhinata -purba bish shatoker bangla uponasye rajniti bhubone meyera
	Ishani Roy	Unish o bish shotoker bangle shishu sahityo
	Dhananjoy Das	Mongol Kabyo
Botany	Dr. Suchandra Sett (Naidu)	Microbiology, Biochemistry, Plant Pathology and Biomedical Research
	Dr. Debnath Palit	Ecology of Wetlands, Wastelands, Pit-lake Conservation, Phyto- and Microbial remediation, Air Pollution Control, Ethnobotany.
	Moutushi Sen	Cell Biology and Plant Biotechnology.
Chemistry	Dr. Arup Kr. Ghosh	Nanoparticles, Graphene
	Dr. Snigdha Chandra	Use of Nano Materials in Amelioration of the Environment; Recycling of Organic Waste
	Barun Bandyopadhyay	Theoretical Chemistry-Quantum many body problems- Coupled Cluster Theory and its applications.
	Dr. Niloy Das	Phytochemicals, Green synthesis of nanoparticles
	Dr. Tuhin Ghosh	Chemistry of Natural Products, Polysaccharides induced Graphene Oxide & GQDs / CQDs, Application of Biomolecules in Drug delivery system, antioxidant activity

	Dr. Nivedita Acharjee	Computational Chemistry especially the conceptual Density Functional theory calculation of cycloaddition reactions and radical spin traps.
	Dr. Bankim Chandra Ghosh	Charge transfer complex; FRET; ESPT; Graph Theory; DFT
	Sutapa Mandal	DFT calculations on regio- and stereoselective organic synthesis
Conservation Biology	Moitreyee Banerjee Chakrabarty	Cytogenetics and Molecular Biology (Specialization)/ Reservoir Ecology, Field Biology, Statistical Ecology, Biodiversity and wild life biology, Bioinformatics.
Commerce	Debasish Maitra	Accounting and Finance
	Sanjoy Kr. Roy	Accounting and Finance
	Deep Banerjee	Accounting and Finance
Economics	Samapti Saha	Econometrics and Trade/ Women Empowerment and Rural Development
	Dr. Debasis Chakraborty	Statistics and Econometrics/Labour Migration, Informal Sector, Agricultural Productivity.
English	Dr. Devika Bose	Language Studies, Victorian period; Indian Writing in English, Women's and Refugee Studies; Children's Literature
	Dr. Anindita Chatterjee	Romantic and Victorian Period in English, Literature; Indian Writing in English; Literature and Cultural Studies
	Dr. Nilanjana Chatterjee (Das)	Indian English literature, Diaspora Studies, Gender Studies and Cultural Theories
	Dr. Ramit Das	Renaissance Drama; Literary Theory; Modern Poetry; Representation of Jews in English Literature; Metaphysical Poetry; Robert Browning
Geology	Dr. Prabir Dasgupta	Flow dynamics, Soft sediment deformation, Gondwana sedimentation, Tectonosedimentary history of Lesser and Sub-Himalayan successions
	Sidhartha Sankar Rej	Igneous Petrology
	Dr. Probal Kr. Chattopadhyay	Economic Geology, Metamorphic Petrology
	Dr. Supratim Pal	Evolution of proterozoic mobile belts, PT-fluid evolutionary history of metamorphosed alkaline rocks
	Dr. Pinaki Roy	Molluscan group, Biostratigraphy, Paleobiology
	Bikas Saha	Precambrian basins of India, Jurassic basin of Kutch and Jaisalmer
	Dr. Pradip Samanta	Bio-Sedimentology, Palaeoenvironment and Palaeoclimatic analysis, Basin analysis, Sequence Stratigraphy, Precambrian sedimentation systems
	Pritha Goswami	Prey Predator Interaction and Palaeoecology study in mega fossils
	Dola Chakraborty	Igneous Petrology and Oceanography
History	Sharadee Sengupta	Relationships of basal archosauromorphs and their evolutionary significance
	Nandini Jana	Social history of Bengal, Gender studies
	Saubhik Bandyopadhyay	Economic history of India, Travel studies
	Dr. Arpita Bose	Diasporic Studies, Ethnic Studies, Community Culture, Freedom Movements in Bengal
Mathematics	Kamalica Mukherjee	History of Modern India, Tribal history of Postcolonial India
	Amitava Samanta	Fixed point Theory, Real Analysis.
	Pratikshan Mandal	Functional Analysis, Integration of Banach space valued functions, Topology.
Philosophy	Dr. Bhumika Kanjilal	Metaphysics and Philosophy of Education

Physics	Kripasindhu Kumar	Current-Mode Circuits, Analog Signal Processing
	Dr. Swapan Kr. Ghosh	Non Linear Dynamics
	Hrishikesh Mondal	Electronics, Application of Ring Oscillator
	Sudeep Kr. Das	Radio Physics & Electronics
	Nupur Bhakta	Study of Properties of Nano-Particles
Political Science	Gargi Mukhopadhyay	Human Rights, Gender Studies, Terrorism, Violence against women
	Nabamita Barman	Western Political Thought, Public Policy, Indian Political Thought, Women's studies
Sanskrit	Dr. Debamitra Dey	Indian Philosophy
	Sudeshna Dey	Dharmasutra and Literature.
	Dr. Sudipta Bhakat	Veda, Prakrit
Zoology	Dr. Sudipta Das	Fisheries/Physiology & Biochemistry
	Dr. Utpal Singha Roy	Ecology, Ethology, Toxicology, Wildlife
	Kuntal Bhattacharya	Molecular parasitology, Therapeutic microbiology, Green nanos
	Saumabha Chatterjee	Ethonopharmacology.
	Sumana Dutta	Ethonopharmacology
Physical Education	Saumitra Karmakar	Effects of Yoga in Prevention of Life Style Disorder Disease; Football, Cricket
	Dr. Nazrul Islam Mallick	Effects of Yoga in Prevention of Life Style Disorder Disease; Football, Cricket

3.1.8 *Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?*

Teachers and students have the opportunity to interact with eminent researchers and share their views in the special lectures, workshops, seminars and conferences organized in the campus.

- The Department of Physics invited an eminent scientist, Professor Soumitra Banerjee, recipient of the prestigious Bhatnagar award in the year 2017.
- The Department of Philosophy organized special lectures of Prof. Apree Dutta, from Kazi Nazrul University and Prof. Abhik Banerjee from Scottish Church College
- The Department of English organized special lectures and interactive sessions with students and faculty members by bringing in eminent academicians Professor H. Lahiri, Professor Niladri R. Chatterjee, Prof. Subhajit Sen Gupta from the universities of Burdwan, Kalyani and Burdwan respectively



Fig. 3.6. Students of Department of English interacting with Professor Niladri R. Chatterjee and Prof. Subhajit Sen Gupta

3.1.9 *What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?*

Technically the Service rules of the Government of West Bengal do not have provision for "sabbatical leave".

3.1.10 *Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)*

Lab to Land Initiatives

- Training programs on " Pitlakes of Raniganj Coalfield areas: Implications for Sustainable use and conservation" were organized as a part of DST project of Dr. Debnath Palit at Nabagram Panchayat Office Hall, Ukhra, Burdwan, West Bengal on 22.03.2015. The focus of this programme was to disseminate awareness on "Pit lakes" in multidimensional setting.



Fig 3.7: Training programme on " *Pitlakes of Raniganj Coalfield areas*" at Nabagram Panchayat Office by Dr. Debnath Palit

Medicinal Plant garden being maintained by students and teachers of the Department of Botany

- Dr. Utpal Singha Roy, Assistant Professor of Zoology, delivered lectures on his research findings related to study of migratory birds at Serampore College, in 2016 and Avifauna diversity: field protocols and a case study at Hooghly Women's College in 2015
- Awareness lectures on "Methodology in field biology" were delivered by Dr. Utpal Singha Roy, Assistant Professor of Zoology, for students of APC Roy Government College, Matigara, Siliguri and Lady Brabourne College, Kolkata in 2015 to highlight the methods of studying biodiversity of an area during field visit and report presentation

3.2 Resource Mobilization for Research

3.2.1 *What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.*

Development grant from the state does not specify any fund exclusively for research. State Government provides grant for equipments, books and journals, chemicals & glasswares and contingencies under plan head. The purchased items are used for teaching, learning and research related activities. Grants received from different sponsoring agencies such as UGC and DST are utilized for research activities. Please refer to Q. 6.4.3. for receipts and payments of grants received from State Government and UGC for the last five years. College received Rs. 26,50,000/- as the first installment of DST-FIST grant. Please refer to Q. 3.2.6. for the details related to DST-FIST grant.

3.2.2 *Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?*

Faculty Members avail financial benefit from different major and minor research projects funded by the UGC and DST.

3.2.3 *What are the financial provisions made available to support student research projects by students?*

The recurring and non-recurring items required for project work is provided by the respective department through funds received from the state government and the UGC.

3.2.4 *How do the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.*

- Department of Zoology receives assistance for field studies from Post Graduate Department of Conservation Biology.
- Department of Conservation Biology has interaction with Departments of Chemistry and Geology in guiding postgraduate dissertation work having interdisciplinary relevance. For example, Miss Sanghita Mondal, postgraduate student of the Department of Conservation Biology completed her M.Sc. dissertation work titled "*Phytochemical analysis and green synthesis of silver nanoparticles from selected medicinal plants of Durgapur region*", under the guidance of Dr. Niloy Das, Assistant Professor, of Department of Chemistry. The research work was interdisciplinary and involved inputs from biological and chemical sciences.

Transfer policy of faculty members is a major challenge to interdisciplinary research since it leads to shortage of faculty members with varied specialization and field of research interest. For example, there is acute shortage of faculty with specialization in Inorganic Chemistry. This affects teaching and research activities of Inorganic Chemistry in the institution.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

- IQAC monitors the Issue Register which indicates the frequency at which various equipment is used. Letters from especially Humanities departments seeking permission from the college authority to avail benefits of such facilities also serve as proof of the optimal use of equipment and facilities offered.
- The institution ensures purchase of only those equipments which are required to satisfy the research interest of faculty members, researchers and students. Selection of instruments for purchase is primarily based on use.
- Institution has taken the initiative to maintain a logbook of central instrumentation facility.
- Separate logbook is maintained in the library for use of computers and internet facilities.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

Yes, the institution has received special grant from DST-FIST.

Table 3.7
Details of grant received

Budget Heads	Amount Sanctioned with Date	Amount Received with Date
Equipment	Rs. 20,00,000/- vide Dy. No. 100/IFD/2259/2013-2014 dated 04.07.2013	Rs. 20,00,000/- dated 12.08.2013
Infrastructure (Book Grant)	Rs. 8,00,000/- vide Dy. No. 100/IFD/2259/2013-2014 dated 04.07.2013	Rs. 50,000/- dated 12.08.2013
Networking	Rs. 6,00,000/- vide Dy. No. 100/IFD/2259/2013-2014 dated 04.07.2013	Rs. 6,00,000/- dated 12.08.2013
Maintenance	Rs. 3,00,000/- vide Dy. No. 100/IFD/2259/2013-2014 dated 04.07.2013	NIL
Total	Rs. 37,00,000/- vide Dy. No. 100/IFD/2259/2013-2014 dated 04.07.2013	Rs. 26,50,000/- dated 12.08.2013

Table 3.8
Equipment ordered/purchased/installed and book grant utilized

Name (with Model & Make)	Order Date	Installation date	Cost in INR
Trinocular Polarizing Microscope Make: Nikon Corporation (Japan) Model: E-200-POL + Eastern shipping Agency Customs duty and clearance charges	Order no: 1850 dated 16.01.2014	28.07.2014	Rs.8,11,886/-
UV-Vis Spectrophotometer, Make: Shimadzu, Model no: UV-1800 + Taxes + Installation	Order no: 1850 dated 16.01.2014	07.08.2014	Rs.9,01,067/-
Digital Balance (3 nos) Make: Mettler Model no:ME-203	Order no: DGC/16/Equip /222(A) dated 14.03.2016	04.04.2016	Rs.2,87,047/-
Total			Rs.20,00,000/-
Book Grant			Rs. 34,640/-

Details of Purchase for networking and computation facilities

Table 3.9

SI. No.	Items	Total Cost
1	Desktop PC (Lenovo); Dual Core-3GHz, 2GB DDR3 RAM, 500GB, HD, 18.5" LED Monitor, Mouse & Key Board	Rs. 2,47,620/-
	VAT@5%	Rs. 12380/-
	Total	Rs. 2,60,000/-
2	Epson Printer L-110, S/N: S3UK023199	Rs. 6850/-
	VAT@5%	Rs. 342.50/-
	Total	Rs. 7,192.50/-
3	Intel Xeon Server for network	Rs. 97,143/-
	VAT@5%	Rs. 4857/-
	Total	Rs. 1,02,000/-
4	CAT 5 UTPcable (305 m Box)	Rs. 37333.36/-
	Fiber Optic Cable (6 Core)	Rs. 23,810/-
	Wire Casing (Straight & Flexible)	Rs. 28572/-
	Switch D-link 24-Port	Rs. 7620/-
	Switch D-link 16 Port	Rs. 2857/-
	RJ 45 Connector D-link	Rs. 1045/-
	Media Converter	Rs. 17144/-
	LIU	Rs. 5714.28/-
	Patch Card-Fiber optic SM	Rs. 11428.56/-
	UPS APC 1000VA	Rs. 7619/-
	Additional Battery Pack for APC-UPS	Rs. 6667/-
	VAT, 5%	Rs. 7490/-
	Total	Rs. 1,57,300/-
5	Cable laying, maintenance and installation of Wi-Fi at 4 places (including modems and other accessories)	Rs. 73507/-
GRAND TOTAL		Rs. 6,00,000/-

3.2.7 *Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.*

- IQAC and research sub-committee hold meetings/discussions with the faculty members to enlighten them about the way to proceed with interdepartmental research
- The Research sub-committee besides encouraging faculty members to submit research proposals, does the screening of research project proposals before submission to the funding agencies
- Research project proposals recommended by the Research sub-committee are promptly forwarded by the college authority to the funding agencies
- Faculty members are provided leave to attend the proposal-defence meets for major research projects
- Basic infrastructural facilities such as space, furniture, library facilities, computers, internet facilities, laboratories, available equipments etc are given to the faculty members for completion of the projects

Please refer to Table 3.4 for the research projects materialized during the last five years

3.3 Research Facilities

3.3.1 *What are the research facilities available to the students and research scholars within the campus?*

- Internet Facility
- Computers: Both laptops (in some departments) and desktops
- Central Library and Seminar libraries enriched with reference books, bibliographic information and e-books.
- Laboratory facilities
- Excursions and field work
- Acquiring knowledge of latest research areas through consultation of e-resources

3.3.2 *What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?*

The Research sub-committee in consultation with the IQAC keeps a vigil on the new and emerging areas of research through continuous touch with institutions reputed for research activities and in noting the areas where seminars/ symposia/ workshops are organized by other institutions and drawing upon the knowledge of faculty members involved in research. It then proceeds to prepare a map for implementation of research programmes, as much as is practicable.

Research Committee of the institution screens and monitors the research proposals before submission. Research work has been carried out in different departments from the grant received out of major and minor research projects.

- College has initiated the central instrumentation facility from DST-FIST grant. College plans to upgrade the facility in near future.
- Generators have been installed to supply uninterrupted power supply.
- Upgrading, renovation and expansion of laboratories is under progress to encourage research activities.

3.3.3 *Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If 'yes', what are the instruments /facilities created during the last four years.*

Please Refer to Ans. 3.2.6 for details of grant received under DST-FIST Scheme.

3.3.4 *What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?*

Faculty Members have formal and informal collaborations with different universities and research bodies. Please refer to Criterion I for details of collaborations. Students can interact with the collaborators and use research facilities of the institutions in some cases.

3.3.5 *Provide details on the library/ information resource center or any other facilities available specifically for the researchers?*

- Internet facility is available in the public access computers of the library. Researchers can easily access open access online journals and free databases from these computers.
- E-books are available in the library computers for researchers.
- 7 Journals are available for researchers in the library
- Departmental seminar libraries have different books exclusively for researchers.
- Book Catalogues of important publishers like OUP, CUP, Orient BlackSwan etc help a lot in this area

3.3.6 *What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.?*

No formal collaborative research facilities have yet been developed/created by the research institutes in the college. However, faculty members have collaborations with different universities and research bodies and efforts are in progress to develop such facilities.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of -

- **Patents obtained and filed (process and product):** 02

Dr. Suchandra Sett Naidu, Assistant Professor of Botany, obtained following two joint patents:

1. Anti-peptic ulcer activity of an extract of a flower of *Woodfordiafruticosa*.
Inventors- Das; Pratap K. (Kolkata, IN), Sahu; Niranjan P. (Kolkata, IN), Banerjee; Sukdeb (Kolkata, IN), Sett; Suchandra (Kolkata, IN), Goswami; Suchandra (Kolkata, IN), Bhattacharya; Samir (Kolkata, IN).United States Patent, No. 7,291,353; Date- November 6, 2007
2. A process for isolation of extract containing bioactive fractions from plant *Woodfordiafruticosa*.
Inventors- Das; Pratap K. (Kolkata, IN), Sahu; Niranjan P. (Kolkata, IN), Banerjee; Sukdeb (Kolkata, IN), Sett; Suchandra (Kolkata, IN), Goswami; Suchandra (Kolkata, IN), Bhattacharya; Samir (Kolkata, IN).Indian Patent, No. 232610; Date- 27th March, 2009

- **Original research contributing to product improvement:** Nil
- **Research studies or surveys benefiting the community or improving the services:**
 - Dr. Debnath Palit, Associate Professor of Botany carried out the Integrated Project (funded by DST) from 2009 to 2012 as Co-investigator in collaboration with University of Burdwan for conservation, demonstration and training on sustainable use of medicinal plants for upgradation of livelihood of poor families of backward classes in Bankati Gram Panchayat area in the district of Burdwan, West Bengal.



Fig 3.8: Dr. Debnath Palit and his associates explaining the sustainable use of medicinal plants for poor families of backward classes in Bankati Gram Panchayat area in the district of Burdwan, West Bengal.

- In the year 2012, Samapti Saha, Associate Professor of Economics, visited the India-Bangladesh enclaves (also known as "ChhitMahals") and conducted one of the rare surveys on the socio economic conditions of the people living in these enclaves. The study was published in *International Journal of Scientific & Engineering Research* (www.ijser.org); 4, ISSN No. 2229-5518. pp. 1433-1437
- Dr. Debnath Palit, Associate Professor of Botany, carried out a research project (funded by UGC) as Principal investigator from 2013 to 2015 on wetlands of Bankura district. The research project revealed that there is huge possibility to use these wetlands for various purposes. This project is the baseline for wetland conservation in this district and can be helpful for initiatives such as site specific aquaculture, agriculture pilot study and judicious utilization of water in the drought-prone Bankura district which can lead to the upliftment of downtrodden economy of this region and also the societal benefit of the district
- In the year 2016, the department of Conservation Biology was contacted by a New Delhi based NGO called EMRTC to carry out a biodiversity study near Gorpanchakot, of Panchet Reservoir, Dist. Purulia, West Bengal. As part of this environmental impact assessment conducted by Ministry of Environment, Government of India, the staff and students of Department of Conservation Biology, Durgapur Government College, prepared a detailed report of flora and fauna in and around Panchet hills. The presence of plants with medicinal importance and different endemic or endangered animals was reported during the study
- ***Research inputs contributing to new initiatives and social development***
 - Samapti Saha, Associate Professor of Economics conducted and published research surveys and case studies on social issues such as Gender Development Index (GDI) and Gender Empowerment Measurement (GEM) of women belonging to general, SC and ST categories of 16 districts of West Bengal (2002), Implications of family planning on women empowerment (2008), Dichotomy within Women Panchayat members: reflections from West Bengal in (2008) etc
 - A research survey on "Socio-economic structure of Santals in Bolpur, Santiniketan" was carried out by three students of department of conservation biology in 2011
 - One of the students, Sohini Das Biswas, of Conservation Biology department prepared the M.Sc. dissertation titled "*Assay of exfoliated cell micronucleus and other nuclear anomalies as biological marker for chromosome breakage and mitotic interference*" in the year 2011. The dissertation was intended to create awareness among the people about the effect of tobacco in both smoking and chewing form
 - Samapti Saha, Associate Professor of Economics, conducted a research survey in the year 2013 to highlight the effects of Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNRES) on migration of labours

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

- College publishes articles in its academic journal, **Communiqué**, (ISSN-0973-8584), where many faculty members from this institution and other institutions have published research papers.

The Editorial Board of Journal issue published in March 2015 was as follows:

<i>Editor in Chief</i>	Achintya Kumar Pal Officer-in-Charge, Durgapur Government College [2013-2016]
<i>Editor</i>	Dr. Biswadeb Chatterjee Head, Department of Economics (Retired in January 2016)
<i>Joint Assistant Editors</i>	1. Dr. Debasis Chakraborty Assistant Prof. of Economics 2. Dr. Utpal Singha Roy Assistant Prof. of Zoology

- In the Department of Geology, a student organization, Association for the Culture of Earth Sciences (ACES) was founded on 8th February 1989. The journal of the association *Geolozine*, is published every alternate year. Joint Editors of Geolozine for the session 2016-17: Ms. Soumita Datta and Ms. Bidisha Dutta, (M.Sc. Third Semester students)

3.4.3 Give details of publications by the faculty and students

Details of the research articles/reviews, conference proceedings and books/book chapters of faculty members are provided in alphabetical order in a consolidated format for each department; the record of number of peer-reviewed publications and abstracts of each faculty member has been provided in separate table listed in the departmental profile of the respective department.

Department: Bengali

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

- Mukhopadhyay, B; [Dr Bhismadeb Mukhopadhyay; Assistant Professor and HOD]
- Adhikari, R; [Renuka Adhikari; Assistant Professor]
- Ray, S; [Shreya Roy; Assistant Professor]
- Das, D; [Dhananjoy Das, Assistant Professor]
- Roy, S; [Susmita Roy, Part Time Faculty]

➤ **Research articles/reviews**

1. **Mukhopadhyay, B**; Mobile Tower o ekta Jontranar Itibritto : *Journal of Integrated Research & Development* :ISSN 2278-8670:Dec,2013 Volume 3,Number 3, Page-9 to 12.
2. **Mukhopadhyay, B**; Positivism ebong Ekjon Nibedito Pran Positivist : *Visva Bharati Patrika* :July-December,2009.
3. **Mukhopadhyay, B**; Je Se Lok Chilen na Krishnakamal : *Bartaman Robibar* : 2002

4. **Adhikari, R**; Rabindra kabye-Rupkatha, *Ajker jodhan*, ISSN No:0871-5819; 2016
5. **Ray S**; Swadhinata -purba bish shatoker bangla uponasye bharatcharo andalon o rajniti bhubone meyera, Ekusher Dheu, Vol II, No. II, ISSN:2454-7182 ,PAGE109-119., 2016
6. **Roy S**; The Illicit Love Of The Widows In Rabindranath's Fictions"-Page No. 49,(Focus:Rabindranath in 150th Birth Anniversary), *Communique*, An Academic Journal of Durgapur Government College, ISSN:0973-8584, March 2011.

➤ **Book Chapters/articles in Edited Volume**

1. **Adhikari R**; Uttarbanger loksanskriti:probad probochon o dhandha, "Bangla loksanskriti fire dekha", 2017, accepted (in press)
2. **Ray S**; Bharatchandrer natun mangol kabyer nabo nirma : Narayan gangopadhyae amabosyer gan, Mongal Kabya: Oitizya o uttarsadhak, Edited by Bimal Kumar Thandar, 2017, accepted, (In press)
3. **Ray S**; Sukumar Ray er vasar jagot; Lokayudh, published from coochbehar, West Bengal, 2017, accepted, (In press)
4. **Dhananjoy D**; Bangla natoke manasamongal kabya: Shambhu Mitrer Chand baniker pala o Ajitesh Bandopadhyer Soudagorer nouka, Mongal Kabya: Oitizya o uttarsadhak, Edited by Bimal Kumar Thandar, accepted, 2017 (In press)
5. **Roy S**; "Ashalata Singha: Sharone Manone"-Page No.68, Batikromi Sahitya Protibha:Ashalata Singha, Editor: Jayanti Saharay, ISBN:978-81-923689-0-0, 2013.

➤ **Conference Proceedings**

1. **Ray S**; Swadhinata-purba bish shatoker bangla uponasye swadeshi andolan o meyera, Itihas o Sanskriti, Vol.II-Page: 704-711., ISSN:2394-5737 , 2016
2. **Ray S**; Bangla chotogolpe jol:poribesh kendrik Drishti Bhongir Aloke, UGC National Seminar on What are the changing socio-economic scenario, organized by dept of history, shambhunath collge, lavpur, Birbhum, 2017, accepted (In press)

Department: Botany

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Sett, S**; [Dr. Suchandra Sett (Naidu), Assistant Professor and HOD]
2. **Palit, D**; [Dr. Debnath Palit, Associate Professor]
3. **Sen, M**; [Moutushi Sen, Assistant professor]

➤ **Research articles/reviews**

1. Bhattacharya,P. **Sett, S.** and Maity, P.(2001).Effect of Purified Glutaminase from Human Ascites Fluid on Experimental Tumor Bearing Mice. *Journal of Experimental and Clinical Cancer Research*, Vol. 20 (4): 599-607.
2. Banerjee, S., Kar, D., Banerjee, A. and **Palit, D.** (2012), Utilization of some aquatic macrophytes in Borobandh-a lentic water body in Durgapur, West Bengal, India: Implications for socio-economic Upliftment of local stakeholder. *Indian J. Applied & Pure Bio.* 27(1), pp. 83-92. (ISSN 0970-2091)
3. Banerjee, S., Kar, D., Banerjee, A. and **Palit, D.** (2016). Studies on limnology and macrophytes in selected water bodies of Durgapur, West Bengal, India. *American Journal of Innovative Research and Applied Sciences*. 2(4): 174-180. [ISSN: 429-5396]
4. Banerjee, S., Palit, D. and Banerjee, A. (2016). Changing Strategies of Biochemical & Physiological Features of Selected Plant Species on Effect of Air Pollution in Eastern Steel City, Durgapur, India. *Int. J. Curr. Microbiol. App. Sci.* 5(9): 733-741. [ISSN: 2319-7064]
5. Basu, P.S, **Palit, D.** and Banerjee, A. (2013), Assessment of Diversity and Resource Potential of Non-Timber Forest Product(NTFP) in Selected Sites of Bishnupur Forest Division of Bankura District, West Bengal, India, *New York Science Journal*, 6(5), pp. 46-53. (ISSN: 1554-0200)

6. Bhattacharya, K. and **Palit, D.** (2000), A census of Hydrophytes in Burdwan University campus. Environment and Ecology, 18(1), pp. 150-155. (ISSN: 2157-6092)
7. Bouri, T., **Palit, D.** and Mukherjee, A. (2013). Phytosociology and Pedological characteristics of selected beats of Durgapur forest range, W.B, India. Communications in Plant Science, 3(3-4), pp. 37-45.(ISSN-2237-4027)
8. Bouri, T., **Palit, D.** and Mukherjee, A. (2014), Livelihood dependency of rural people utilizing non-timber forest product (NTFPs) in a moist deciduous forest zone, West Bengal, India. International Journal of Advanced Research, 2(10), pp. 607-617. (ISSN- 2320-5407)
9. Bouri, T., **Palit, D.**, and Mukherjee, A. (2014), An investigation of plant communities in Basudha beat of Durgapur forest range, West Bengal, India. Int. J. Curr. Microbiol. App. Sci, 3(9), pp. 596-607. (ISSN- 2319-7706)
10. Chanda, S. and **Palit, D.** (2009), Plant diversity indices and pedological characteristics of Ragiroom Beat, Senchal West Zone Forest Range, Darjeeling, West Bengal. India. Pleione, 3(1), pp. 50-58.
11. Chatterjee, A. **Sen, M.** Saha, P. K. and Roy, A.(2014). Study of primary and secondary metabolites of *Nicotianatabacum* L. in different combinations of growth regulators. *J. Botan. Soc. Bengal* 68(2): 101-104.
12. Chatterjee, P., Biswas, I., Banerjee A. and **Palit, D.** (2014), First Time reporting of three different entomofauna at the district of coochbihar, West Bengal. International Journal of Current Research, 6(3), 5853-5856. (ISSN-0975-833X)
13. Das, S., Pal, S. and **Palit, D.** (2012), An Insight into the Physico-Chemical characteristics of Water and Soil along with Macrophyte Diversity in KathgolaDighi: A Freshwater Wetland in Jalpaiguri District, West Bengal, India. Journal of Biodiversity and Ecological Sciences, 2(3), pp. 189-195. (ISSN 2008-9287)
14. Garai, M., Kar, D., **Palit, D.** and Banerjee, A. (2013), Phytosociological Assessment of Vegetation of Durgapur Government College Campus, Durgapur, West Bengal. India International Journal of Engineering Research and applications, 3(6), pp. 1-5. (ISSN-2248-9622)
15. Ghosh, S. **Sen, M.** And Roy, A.(2013). Comparative study of metabolites of *in-vitro*&*in-vivo* derived tissues of *Catharanthesroseus*. NCABCMSD.71-74.
16. Goswami, G., Pal. S and **Palit, D.** (2010), Studies on the Physico-Chemical characteristics, Macrophyte Diversity and their Economic Prospect in RajmataDighi: A wetland in Cooch Behar District, West Bengal, India. NeBIO, 1(3), pp. 21-27. (ISSN 2278-2281)
17. Gupta, S. and **Palit, D.** (2013), Inventory and characterization of wetlands in Birbhum district, West Bengal, India: implications for conservation. Ecology, Environment and Conservation, 19(4), pp. 995-1000. (ISSN: 0971-765X)
18. Gupta, S. and **Palit, D.** (2014), A study on wetlands in Birbhum district, West Bengal, India. Journal of Applied Sciences in Environmental Sanitation, 9(2), pp. 79-84. (ISSN-0126-2807)
19. Gupta, S. and **Palit, D.** (2014), Biosurveillance of wetlands in Eastern India (Birbhum, West Bengal) for wise use. International Journal of Science, Environment and Technology, 3(6), pp. 2136 – 2144. (ISSN- 2278-3687)
20. Gupta, S. and **Palit, D.** (2014), Preliminary Assessment of Designated Usages/ Effective Wetland Management Strategies (EWMS) in Wetlands of Birbhum District, West Bengal, India. Journal of Environmental Science, Computer Science and Engineering & Technology, 3(4), pp. 1886-1893. (ISSN-2278-179X)
21. Gupta, S., and **Palit, D.** (2013), Effect of Limnochemical Variables on The Aquatic Macrophyte Composition in Wetlands of Birbhum District. Pollution Research, 32(4) pp. 737-742. (ISSN: 0257-8050)

22. Gupta, S., and **Palit, D.** (2014), A Contribution to the Fish faunal status in wetlands of Birbhum District, West Bengal, India. *Asian Academic Research Journal of Multidisciplinary*, 1(28), pp. 40-53. (ISSN- 2319 – 2801)
23. Gupta, S., Mukherjee, A., & **Palit, D.** (2015). Reporting of (Sand?) Martin *Riparia (riparia?)* From Durgapur Barrage, West Bengal, India. *Zoosprint*, 30 (7):6-9
24. Gupta, S., Mukherjee, A., **Palit, D.**, Chatterjee, P. and Biswas, I. (2013), A Reporting on Wire Tailed Swallows (*Hirundosmithii*) winter visit to Durgapur Barrage, West Bengal, India. *Zoosprint*, 28(8), pp. 22-24. (ISSN- 0973-2543)
25. Gupta, S., **Palit, D.**, Mukherjee, A. and Kar, D. (2013), Inventory of Pit Lakes in Raniganj Coal Field, West Bengal India. *Journal of Applied Technology in Environmental Sanitation*, 3(1), pp. 55-60. (e- ISSN: 2088-3579)
26. Kar, D. and **Palit, D.** (2014), Phyto-Diversity on Selected Coal Mine Areas of Raniganj Coalfields, India. *International Journal of Green and Herbal Chemistry*, 3(1), pp. 2278-3229. (ISSN-2278-3229)
27. Kar, D. and **Palit, D.** (2014), Population Perception Regarding Reclamation Strategies in Coal Mine of RCF in West Bengal - A Case Study from India: Implications for Future Development Perspectives in Wasteland Ecorestoration. *Journal of Applied Technology in Environmental Sanitation*, 4(1), In Press. (ISSN- 2088-3218)
28. Kar, D. and **Palit, D.** (2016). Assessment of plant species assemblages with their distribution in an open cast mining area of Raniganj coalfield, West Bengal, India. *International Journal of Scientific & Engineering Research*. 7(7): 443-452. [ISSN: 2319-7064]
29. Kar, D. and **Palit, D.** (2016). Natural occurrence of plant species on Bankola area of Raniganj Coalfield, West Bengal, India. *International Educational Scientific Research Journal*. 2(6): 37-38. [ISSN: 2319-7064]
30. Kar, D., Banerjee, A. and **Palit, D.** (2014), Studies on Phyto-diversity of different types (OCP, PIT, INCLINED) of mines in Raniganj coalfield area, West Bengal, India. *Asian Academic Research Journal of Multidisciplinary*, 2(1), pp. 515-522. (ISSN- 2319-2801)
31. Kar, D., Banerjee, A., and **Palit, D.** (2011), Assessment of Water Quality of Some Selected sites of Durgapur Industrial Belt, West Bengal, India through Distribution and Abundance of Larval Chironomidae in Relation with Physicochemical Characteristics of Water. *International Journal of Lakes and Rivers*, 4 (2), pp. 177-198. (ISSN 0973-4570)
32. Kundu, M., Pal, S. and **Palit, D.** (2010), A contribution on the plant diversity in 6th Mile Beat, Senchal East Zone Forest Range, West Bengal, India. *Journal Swamy Botanical Club*, 27, pp. 85-92. (ISSN 0256 - 9493)
33. Mahata, A., Mondal, M.S., **Palit, D.** and Mukherjee, A. (2007), Trees for energy forests in wastelands of Bihar, Orissa and West Bengal. *Ecology Environment and Conservation*, 13(2), pp. 439-445. (ISSN: 0971-765X)
34. Majumder, P. and **Palit, D.** (2016). Microbial Diversity of Soil in Some Coal Mine Generated Wasteland of Raniganj Coalfield, West Bengal, India. *International Journal of Current Microbiology and Applied Sciences*. 5(2): 637-641. [ISSN: 2319-7706]
35. Mandal, S., Mondal, D. and **Palit, D.** (2000), A preliminary survey of wetland plants in Purulia District, West Bengal. *Indian Journal of Applied and Pure Biology*, 18(2), pp. 247-252. (ISSN: 0970-2091)
36. Mishra, M., Banerjee, A. and **Palit, D.** (2016). Variation of Nutrient Level in Soil and Leaf Litter of Selected Tree Species: A Case Study. *International Journal of Ecology and Environment*. 31(2): 99-111. [ISSN: 0973-7308]
37. Mukherjee, A., **Palit, D.** and Gupta, S. (2015), Rare record on Plaintive Cuckoo (*Cacomantismerulinus*) from a fresh water wetland of Bankura district, West Bengal, India. *Zoosprint*, XXX (3), pp. 19-21. (ISSN- 0973-2543)

38. Pal, B., **Palit, D.** and Mukherjee, A. (2000), Plant diversity in mural habitats of Hooghly District, West Bengal. *Geobios*, 27(4), pp. 177-180. (ISSN: 0251-1223)
39. Pal, S. and **Palit, D.** (2010) Traditional knowledge and bioresource utilization among Lepcha in North Sikkim. *NeBIO*, 2(1), pp. 13-17. (ISSN 2278-2281)
40. **Palit D.**, Pal S. and Chanda S. (2011). Diversity and richness of plants in Darjeeling Himalaya with an eye on Gaddikhana forest beat, Senchal east zone forest range, Darjeeling. *Indian Journal of Forestry*, 35(1): 39-44.
41. **Palit, D** and Banerjee, A (2016). Traditional uses and conservative lifestyle of Iepcha tribe through sustainable bioresource utilization – case studies from Darjeeling and north Sikkim, India. *International Journal of Conservation Science*. 7(3): 735-752. [ISSN: 2067-533X]
42. **Palit, D.** and Banerjee, A. (2014), Inventory of Plant Species, Phytosociology, Species Diversity and Pedological characteristics of Rambhi Beat, Senchal East Zone Forest Range, Darjeeling, West Bengal, India. *Journal of Forest Science*, 30(4), pp. 331-341. (ISSN- 2288-9744)
43. **Palit, D.** and Banerjee, A. (2014), The Diversity and Richness of Vegetation of Gaddikhana Forest Beat in Darjeeling Himalaya, West Bengal, India. *International Journal of Latest Technology in Engineering, Management & Applied Science*, III(X), pp. 106-112. (ISSN- 2278-2540)
44. **Palit, D.** and Banerjee, A. (2013), Species Diversity and Pedological Characteristics in Selected Sites of Senchal Wildlife Sanctuary, West Bengal, India. *Journal of Environment and Ecology*, 4(1), pp. 111- 137. (ISSN-2157-6092)
45. **Palit, D.** and Gupta, S. (2012), Seasonal Changes in Limnological Parameters and Macrophyte Diversity Associated with Wetlands in Birbhum District, West Bengal, India. *Indian Journal of Plant Science*, 1(2-3), pp. 97-115. (ISSN: 2319-3824)
46. **Palit, D.** and Gurung, S. (2008), Some phytoremedies used traditionally by Gurungs in Darjeeling, West Bengal, India. *Pleione*, 2(2), pp. 171-174.
47. **Palit, D.** and Mukherjee, A. (2001), Angiosperm diversity in wetlands of Birbhum District, West Bengal. *Bull. Nat. Inst. Ecology*, 11, pp. 55-67. (ISSN: 0379-7937)
48. **Palit, D.** and Mukherjee, A. (2001), Foliar and pollen characters of *Solanumnigrum* L. and *Croton bonplandianum* Baill in evaluation of purity of air. *Environment and Ecology*, 19(1), pp. 182-185. (ISSN: 2157-6092)
49. **Palit, D.** and Mukherjee, A. (2007), An inventory of wetlands in Birbhum District, West Bengal and their successional characteristics. *Environment and Ecology*, 25 (I), pp. 173-176. (ISSN: 0970-0420)
50. **Palit, D.** and Mukherjee, A. (2011), Characterization of Physico-chemical properties of water and soil in Lalbandh, a freshwater wetland in Birbhum District, West Bengal. *Ecology Environment and Conservation*, 17(3), pp. 557-562. (ISSN: 0971-765X)
51. **Palit, D.** and Mukherjee, A. (2013), Appraisal of Use Pattern in Wetlands of Bankura, a Drought Prone Region from Eastern India. *Journal of Applied Technology in Environmental Sanitation*, 3(4), pp. 141-146. (ISSN-2088-3218)
52. **Palit, D.** and Pal, S. (2012), An investigation on mural plant diversity in Darjeeling Government College campus and adjoining areas, Darjeeling, West Bengal. *NeBio*, III(2), pp. 58-62. (ISSN 2278- 2281)
53. **Palit, D.**, Bala, G. and Mukherjee, A. (2006), Sedges in wetlands of Birbhum District, West Bengal. *Flora and Fauna*, 12(2), pp. 269-274. (ISSN 0971-6920)
54. **Palit, D.**, Das, S. and Palit, N. P. (2009), Studies on physico-chemical characteristics of soil and water in KathgolaDighi, a wetland near Falakata, Jalpaiguri, West Bengal. *Indian Journal of Landscape Systems Ecological Studies*, 32(1), pp. 149-1154. (ISSN: 0971-4170)
55. **Palit, D.**, Ganguly, G. and Mukherjee, A. (2002), Ecological studies on Ramnabagan Wildlife Sanctuary, Burdwan: 1—Biological Spectrum. *Science and Culture*, 68(5-6):

pp. 147-149.

- 56. Palit, D.**, Gupta, S., Banerjee, A. and Mukherjee, A. (2013), Aquatic Macroinvertebrate Diversity Based Biomonitoring of Selected Lotic Environments in Durgapur, West Bengal, India: Implications for Ecological Health Status Prediction, *Journal of Applied Technology in Environmental Sanitation*. 3(3), pp. 117-122. (ISSN-2088-3218)
- 57. Palit, D.**, Gupta, S., Banerjee, A. and Mukherjee, A. (2013), Macroinvertebrate Community- Environmental Interrelationship in Selected Lotic Ecosystem from Durgapur, West Bengal, India. *Journal of Applied Sciences in Environmental Sanitation*, 8(4), pp. 231-236. (ISSN-0126-2807)
- 58. Palit, D.**, Kar, D., Gupta, S. and Mukherjee, A. (2012), A comparative study of soil of different Coal Mines in RCF. *Indian Journal of Environmental Protection*, 32(6), pp. 471-477. (ISSN: 2152-2197)
- 59. Palit, D.**, Kar, D., Mishra, P., Banerjee, A. (2013), Assessment of Air Quality Using several Biomonitor of selected sites of Durgapur, Burdwan District by Air Pollution tolerance index approach. *Indian journal of Scientific Research*, 4(1), pp. 149-152. (ISSN- 0976-2876)
- 60. Palit, D.**, Kar, D., Roychowdhury, S., Mukherjee, A., Garai, B. and Kar, P. (2016). Species Composition of Plant Communities in Pitlakes of Raniganj Coal Field, West Bengal, India. *International Journal of Current Research in Biosciences and Plant Biology*. 3(6): 82-86. [ISSN: 2349-8072]
- 61. Palit, D.**, Mukherjee, A. and Gupta, S. (2014), Bio-resource documentation and effective management strategies with a note on physicochemical conditions of selected wetlands in Birbhum district, West Bengal, India. *International Journal of Indigenous Knowledge and Biological Sciences*, 1(1), 4.
- 62. Palit, D.**, Mukherjee, A., Gupta, S. and Kar, D. (2014), Water quality in the pit lakes of raniganj coal field, West Bengal, India. *Journal of Applied Sciences in Environmental Sanitation*, 9(1), pp. 1-6. (ISSN-0126-2807)
- 63. Palit, D.**, Mukherjee, A., Kar, D., Roychowdhury, S., Garai, B., Kar, P. and Gupta, S. (2016). Determinants of Pitlake Usage in Raniganj Coalfield Region, West Bengal: Implications for Sustainable Use. *International Journal of Innovative Research in Engineering & Management*. 3(2): 72-79. [ISSN: 2350-0557]
- 64. Palit, D.**, Mukherjee, M. and Borah, P. (2010), Warfare's: Our Decaying Climate. *Communique*, 4(1), pp. 71-80.
- 65. Palit, D.** and Mukherjee, A. (2012), Studies on water quality and macrophyte composition in wetlands of Bankura district, West Bengal, India. *Indian Journal of Plant Science*, 1(2-3), pp. 221-228. (ISSN: 2319-3824)
- 66. Palit, N.P. and Palit, D.** (2008), Ecological investigation on wetlands of Birbhum District, West Bengal. *Indian Journal of Landscape Systems Ecological Studies*, 31(2), pp. 112-117. (ISSN: 0971-4170)
- 67. Palit, D.**, Pal .S. and Acharya, J. (2011), Tea-Garden Weeds of Happy Valley Tea Estate, Darjeeling, West Bengal: Ecological and Economic Aspects. *Journal of Economic and Taxonomic Botany*, 35(2), pp. 412-417. (ISSN: 0250-9768)
- 68. Roychowdhury, S.** **Palit, D.** and Banerjee, A. (2013), Assessment of zooplankton diversity in relation to physico-chemical parameters of water in selected water bodies of Durgapur Industrial region, West Bengal, India. *Asian Journal of Water, Environment and Pollution*, 10(4), pp. 99-115. (ISSN- 0972-986)
- 69. Sett, S.** and Sett, R.(1995).Alteration of serum Immunoglobulin levels after splenectomy in thalassaemia. *Journal of Human Ecology*, Vol. 6 (1): 55-56.
- 70. Sett, S.** Mishra S. K. and Siddiqui K. A. I.(2000).Avirulent mutants of *Macrophomina phaseolina* and *Aspergillus fumigatus* initiate infection in *Phaseolus mungo* in the presence of phaseolinone; levamisole gives protection. *Journal of Bio Science*, Vol. 25(1) : 73-80.

71. Tamang, N. and **Palit, D.** (2010), An ethnobotanical study on the Lepchas in North Sikkim. *Pleione*, 4(1), pp. 63-68. (ISSN: 0973-9467)
72. Upadhyaya, G., **Sen, M.** and Roy, A.(2014). Comparative study of *in-vivo&in-vitro* raised seedlings of *Oryzasativa* L. *Indian J. Sci. Res.* 5(2): 109-117. ISSN: 0976-2876(Print) & ISSN: 2250-0138(Online).
73. Upadhyaya, G., **Sen, M.** and Roy, A.(2015). In- vitrocallus induction and plant regeneration of rice (*Oryzasativa* L.) var. 'Sita', 'Rupali' and 'SwarnaMasuri'. *Asian Journal of Plant Science and Research.* 5(5): 24-27. [Available online at www.pelagiaresearchlibrary.com]

➤ Books

1. Gupta, S., **Palit, D.** and Mukherjee, A. (2013). Aquatic Macroinvertebrates: Biomonitoring and Eco-health Assay. LAP LAMBERT Academic Publishing, ISBN: 13: 978-3-659-45106-5.
2. Gupta, S., **Palit, D.** and Mukherjee, A. (2013), Eco-appraisal of wetlands in Birbhum district, West Bengal, India. LAP LAMBERT Academic Publishing, ISBN: 978-3-659-45054-9.
3. Kar, D., **Palit, D.** and Chatterjee, S. (2013), *Interrelationship* between Chironomid, water and Soil: Biomonitoring assessment. Lambert Academic Publishing, ISBN: 978-3-659-48785-9.
4. Mukherjee, A., Gupta, S. and **Palit, D.** (2013), Avifaunal diversity of Santragachi wetland, West Bengal, India. Lambert Academic Publishing, ISBN: 978-3-659-48345-5.
5. **Palit, D.** (2013), Senchal Forest: Assessment of Phyto Diversity and Soil Status. Lambert Academic Publishing, ISBN: 978-3-659-44629-0.
6. Palit, D. (2013), Survey of Wetlands in Birbhum District, West Bengal. Lambert Academic Publishing, ISBN: 978-3-659-47159-9.
7. Palit, D. and Banerjee, A. (2013), Biomonitoring and green belt development in Durgapur. Lambert Academic Publishing, ISBN-978-3-659-50467-9.
8. **Palit, D.**Bhattacharjee, R. P. and Mukherjee, A. (2015). Basic Environmental Engineering and Elementary biology. J.B. Books and learning. ISBN- 978-81-921082-0-9
9. **Palit, D.**, Kar, D., Mukherjee, A. and Gupta, S. (2014), Pitlakes of Raniganj Coal Field, W.B, India. Inventory and Water Quality Status. Munich, GRIN Publishing GmbH, ISBN: 978-3-656-62128-7.

➤ Book Chapters/Articles in Edited Volumes

1. Gupta, S., **Palit, D.** & Mukherjee, A. (2014, January 16-18). Comprehensive restorative approach for conservation and management of wetlands in Birbhum district, West Bengal, India. In A.K. Sanyal, S.K Gupta, & S. Manna. Biodiversity and Livelihood. Paper presented at National conference on Biodiversity: Issues, Concern, and Future Strategies, West Bengal Biodiversity Board, Kolkata. PouraBhawan (4th floor), FD-415A, Bidhan Nagar Kolkata- 700106, West Bengal, India: West Bengal Biodiversity Board (Department of Environment, Government of West Bengal). pp. 331-340.
2. Mukherjee, A. & **Palit, D.** (2001). Ecorestoration of Mined Wasteland: An overview. In: Wasteland Management and Environment. A. K. Roy and S. K. Varma eds. Scientific Publishers (India), pp. 181-188.
3. Mukherjee, A. &**Palit, D.** (2002) Biodiversity perspectives -an envision of the scenario. In: Bioresource and Environment (G. Tripathy and Y.C. Tripathy ed.) pp .304-316. Campus Books International
4. Mukherjee, A. &**Palit, D.** (2002). Wetland perspectives- contemplation. In: Bioresource and Environment (G. Tripathy and Y.C. Tripathy ed.) pp .89-107.

- Campus Books International
5. Mukherjee, A. & **Palit, D.** (2002) Macrophyte diversity in wetland of Birbhum District, West Bengal. Economic Prospect. In: Biodiversity, Strategies of Conservation (L.K. Dadhich and A.P. Sharma eds :) Pp .245-263. APH Publishing Corporation, New Delhi
 6. **Palit, D.** & Mukherjee, A. (2007). "Biosensors: an appraisal of its operation and applications". In. Misra and Juwarkar (eds.) Environmental Biotechnology. A P H Publishing Corporation, New Delhi, pp. 55-82.
 7. **Palit, D.** & Mukherjee, A.(2006) Resourceful aspects of the waste In: Environmental Issues and Options (Misra, Kim and Saxena eds.), Daya Publishing House, Delhi, pp. 49-75
 8. **Palit, D.** (2009) Bioremediation of Environmental Degradation: A sustainable Approach for Ecorestoration. In. Datta, J.K. and Ghosh, A.R. (eds) Environment: Issues and Challenges. Academic Staff College, The University of Burdwan. Vol: 3, pp. 107- 114.
 9. **Palit, D.** (2015) Ecological appraisal of pitlakes of Raniganj Coal Field (RCF), West Bengal , India: Implications for conservation and sustainable use. In. S.A. Rahaman and K.Das (Eds.) Gobalization, Environment and Sustainable Development-Indian Perspectives, ChandidasMahavidyalaya, Birbhum, West Bengal. Pp. 28-37
 10. **Palit, D.** and Banerjee, A. (2012). Ecoliteracy and Sustainable Living. Ecoconservation And Sustainable Living. Narosa Publishing House, New Delhi. pp. 85-110.
 11. **Palit, D.** and Banerjee, A. (2015). Biofertilizers-The future of Indian Agriculture. In P. Mallick and P.Mukherjee (Eds.) *Biofertilizer and Biomanure for sustainable agriculture*. Damodar Group, Burdwan. Pp. 132-153.
 12. **Palit, D.**, Mukherjee, A. and Gupta, S. (2016). Bioresources and Socio-economic developmental plans (SDPs) in wetland ecosystem – a case study. In G.K Saha (Eds.) *Indian Wetlands: Crisis and Option*. New Delhi, India: Astral International Pvt. Ltd. pp.171-185.

Department: Chemistry

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Ghosh A. K**; [Dr. Arup Kr. Ghosh; Associate Professor and HOD]
2. **Mandal, S** [Dr. Snigdha Chandra, Associate Professor]
3. **Barun Bandyopadhyay** [Barun Bandyopadhyay; Assistant Professor]
4. **Das, N** [Dr. Niloy Das; Assistant Professor]
5. **Ghosh, T** [Dr. Tuhin Ghosh, Assistant Professor]
6. **Acharjee, N.** [Dr. Nivedita Acharjee, Assistant Professor]
7. **Ghosh, B.C.**, [Dr. Bankim Chandra Ghosh, Assistant Professor]
8. **Mandal, Sutapa**, [Sutapa Mandal, Assistant Professor]

➤ Research articles/reviews

1. **Acharjee, N.** (2014), Acyclic and cyclic nitrone cycloadditions to 1-cinnamoyl-1-piperidine: A DFT study. *Journal of Theoretical and Computational Chemistry*, 13, 1450071. doi: 10.1142/S0219633614500710. (Impact factor: 0.638) (Citations: 0)
2. **Acharjee, N.** (2014), DFT interpretations for cycloadditions of an electrondeficient C-aryl-N-phenyl nitrone. *Journal of Theoretical and Computational Chemistry*, 13, 1450007, doi: 10.1142/S0219633614500072. (Impact factor: 0.638) (Citations: 1)
3. **Acharjee, N.**, Banerji A, (2010), DFT study of the configuration and conformation of C-aryl-N-phenyl nitrones and their reactivities as 1,3-dipoles to methyl and ethyl crotonates, *Indian Journal of Chemistry Section A*, 49A, 1444. (Impact factor: 0.851) (Citations: 0)

4. **Acharjee, N.**, Banerji A, (2011), DFT interpretation of 1,3-dipolar cycloaddition reaction of *C,N*-diphenyl nitrone to methyl crotonate in terms of reactivity indices, interaction energy and activation parameters. *Computational and Theoretical Chemistry*, 967, 50, doi: 10.1016/j.comptc.2011.03.040.(Impact factor: 1.545) (Citations: 12)
5. **Acharjee, N.**, Banerji A, Banerjee M, Das T K (2009), Experimental and theoretical spectroscopic investigations of *C*-aryl-*N*-methyl nitrones., *Indian Journal of Chemistry Section A*, 48A, 1627. (Impact factor: 0.851) (Citations: 0)
6. **Acharjee, N.**, Banerji A, Gayen B (2011), Cycloaddition approach to five-membered heterocycles – Some recent experimental and theoretical aspects. Invited Review on 150th Birth anniversary Commemoration of Acharya Prafulla Chandra Ray, *Journal of Indian Chemical Society*, 88, 1857. (Impact factor: 0.173) (Citations: 3)
7. **Acharjee, N.**, Banerji A, Prangé T (2010), DFT study of 1,3-dipolar cycloadditions of *C,N*- disubstitutedaldonitrones to chalcone evidenced by NMR and X-Ray analysis. *Monatshefte für Chemie, chemical monthly*, 141, 1213, doi: 10.1007/s00706-010-0393-2(Impact factor: 1.222) (Citations: 9)
8. **Acharjee, N.**, Banerji A, Prangé T (2011), Catalytic effects of Lewis acids on 1,3-dipolar cycloaddition of *C*-(4-chlorophenyl)-*N*-phenylnitrone to benzylideneacetophenone, *Indian Journal of Chemistry Section B*, 50B, 835. (Impact factor: 0.387) (Citations: 0)
9. **Acharjee, N.**, Banerji A, Prangé T (2012), Remarkable influence of mild Lewis acid catalysts on cycloadditions leading to tetrasubstitutedisoxazolidines: DFT analysis augmented by X-Ray and NMR studies. *Monatshefte für Chemie, chemical monthly*, 143, 1687, doi: 10.1007/s00706-012-0828-z. (Impact factor: 1.222) (Citations: 3)
10. **Acharjee, N.**, Das T. K., Banerji A, Banerjee M, Prangé T (2010), A DFT based exploration augmented by X-ray and NMR of the stereoselectivity in the 1,3-dipolar cycloaddition of 1-Pyrroline-1-oxide to methyl cinnamate and benzylideneacetophenone. *Journal of Physical Organic Chemistry*, 83, 1187, doi: 10.1002/poc.1690; (Impact factor: 1.380) (Citations: 7).
11. Adhikari. B, **Ghosh A. K.**, Maiti. S (2000), "Development of Carbon Black for Rubber Reinforcement", *J. Polym. Mater.*, 17, 101. (Citation: 9)
12. Bag B. C., **Ghosh. A. K.**, Adhikari. B, Maiti. S (1998),' Effectiveness of a Plant Polymer as an Antioxidant . *Polym.Degrad. & Stability. Polym. Degrad. & Stability.*61, 303.
13. Bandyopadhyay, S.S., Navid, M.H., **Ghosh, T.**, Schnitzler, P., Ray, B., (2011), Structural features and *in vitro* antiviral activities of sulfated polysaccharides from *Sphacelaria indica*. *Phytochemistry*,72, 276-283. (**Impact Factor - 3.278**)
14. Banerji A, **Acharjee N**, (2009) Frontier Molecular orbitals of *C*-aryl- *N*-methyl nitrones- A DFT study. *Journal of Indian Chemical Society*, 86, 1068. (Impact factor: 0.173) (Citations: 3)
15. Banerji A, **Acharjee N**, Biswas P K (2009) 1,3-Dipolar cycloadditions. Part XV: Systematic spectroscopic investigations of *C*- aryl- *N*-methyl nitrones, *Journal of Indian Chemical Society*, 86, 63. (Impact factor: 0.173) (Citations: 1)
16. Basu, A., Ghosh, S.K., Saha, R., Ghosh, A., **Ghosh, T.**, Mukherjee, K., Bhattacharya, S.S., Saha, B., (2012),Kinetic studies of glutamic acid oxidation by hexavalent chromium in presence of surfactants. *Tenside Surf. Det.*, 49, 481-487. (Impact Factor-0.981)
17. Basu, A., Ghosh, S.K., Saha, R., Nandi, R., **Ghosh, T.**, Saha, B., (2011),Effect of Some Non Functional Surfactants and Electrolytes on the Hexavalent Chromium Reduction by Glycerol: A Mechanistic Study. *Tenside Surf. Det.*, 48, 453-458. (Impact Factor-0.981)
18. Basu, A., Saha, D., Saha, R., Nandi, R., Ghosh, S.K., **Ghosh, T.**, Saha, B., (2014), A review of sources, toxicity and remediation technologies for removing arsenic from drinking water. *Res. Chem. Intermed.*,40(2); 447-485. (Impact Factor - 1.221)

19. Chakraborty, J., **Das, N.**, Das, K.P., Halder, U.C. (2009), Loss of structural integrity and hydrophobic ligand binding capacity of acetylated and succinylated bovine β -lactoglobulin, *International Dairy Journal*, 19, 43 (Impact factor 2.433) (Citation: 12)
20. Chakraborty, J., **Das, N.**, Halder, U.C. (2011), Unfolding diminishes fluorescence resonance energy transfer (FRET) of lysine modified beta lactoglobulin: Relevance towards anti HIV binding. *Journal of Photochemistry and Photobiology B: Biology*, 102, 1 (Impact factor 2.96) (Citation: 08)
21. Chattopadhyay, K., **Ghosh, T.**, Pujol, C.A., Carlucci, M.J., Damonte, E.B., Ray, B., (2008). Polysaccharides from *Gracilaria corticata*: Sulfation, chemical characterization and anti-HSV activities. *International Journal of Biological Macromolecules*, 43, 346-351. (Impact Factor - 3.016)
22. Chattopadhyay, K., **Ghosh, T.**, Karmakar, P., Mandal, P., Ghosh, P., Ray, B., (2009). Ethnopharmacological Uses, Chemical Constituents and Biological Activities of Sesame: A Review. In: Recent Progress in Medicinal Plants, 23, 91-113, **Studium Press LLC, USA**.
23. Chattopadhyay, N., **Ghosh, T.**, Sinha, S., Chattopadhyay, K., Karmakar, P., Ray, B., (2010). Polysaccharides from *Turbinaria conoides*: Structural features and antioxidant capacity. *Food Chemistry*, 118, 823-829. (Impact Factor - 3.901)
24. **Das, N.** (2013), Plant serine protease: Purification and Physicochemical Characterization. *BN Seal J. Sci.*, Vol. V, 35
25. **Das, N.**, **Bhar, S.** (2010), Effect of phosphorus tribromide on cyclopropane ring in cyclopropanochromanol : A ring expansion study. *BN Seal J. Sci.*, Vol. III, 24
26. **Das, N.**, **Bhar, S.** (2010), Insertion of a methylene group in a chromone system. *BN Seal J. Sci.*, Vol. III, 38
27. De, D., **Ghosh, A. K.**, Adhikari, B (1999), 'Reclaiming of Rubber by a Renewable Resource Material (RRM), *Polymer Recycling Polymer Recycling*, 4, 151.
28. Debashis Jana, **Barun Bandyopadhyay** and Debasish Mukherjee, Development and applications of a relaxation-inducing cluster expansion theory for treating strong relaxation and differential correlation effects : Theoretical Chemical Acc., (1999) 102 ; 317-327; (Impact factor: 2.233); (Citation:08)
29. **Ghosh A. K** (2015), Characterization and evaluation of a novel renewable plant product (RPP) gumas a flame retardant additive in chloroprene and natural rubber' *Int. J. Plastic Technology*, (DOI) 10.1007/s 12588-015-9113-4.
30. Ghosh A. K. (2008), 'A Novel Renewable Plant Product (RPP) as Flame Retardant and Antioxidant Additive for Rubber', *J. Polym. Mater.*, 25, 491.
31. Ghosh A. K., Adhikari, B (1999), 'Reinforcing Properties of a Modified Carbon Black in Natural Rubber and Natural Rubber- Polybutadiene Blend, *Kautsch. GummiKunstst*, 52, 681.
32. **Ghosh A. K.**, Maiti S, Adhikari, B (1997), Modified carbon black as reinforcing filler for SBR *Ind. J. Chem. Tech.* 4, 135. (Citation: 1)
33. **Ghosh A. K.**, De, D, Adhikari, B. (1998), 'The Influence of Modified Carbon Black in SBR on Tensile and Flexing Properties. *Kautsch. GummiKunstst.* 51, 500.
34. **Ghosh A. K.**, Maiti, S, Ray G. S., Mustafi S. K., Adhikari, B. (1997), 'Effect of Modified Carbon Black on the Properties of Natural Rubber Vulcanizate. ' *J. Appl. Polym. Sci.* 66, 683.
35. **Ghosh, B. C.**; Deb, N.; Becuwe, M.; Fourmentin, S.; Mukherjee, A. K.- *Chem. Phys. Lett.* **2011**, 504, 100-106. 'Spectroscopic investigation of the three prototropic forms of a β -cyclodextrin-indolizine derivative from its inclusion-cum-charge-transfer complexes' (Impact factor: 1.963) (Citation: 05).
36. **Ghosh, B. C.**; Deb, N.; Becuwe, M.; Fourmentin, S.; Mukherjee, A. K.- *J. Photochem. Photobiol. A: Chemistry* (2012), 238, 29-34. 'Excited State Proton Transfer assisted Fluorescence Resonance Energy Transfer in an inclusion complex of β -CD derivative' (Impact factor: 2.549) (Citation: 03).
37. **Ghosh, B. C.**; Deb, N.; Mukherjee, A. K. – *J. Phys. Chem. A*(2008), 112, 6929-6935. 'Determination of individual proton affinities of reserpine from its UV-Vis and charge transfer spectra' (Impact factor: 2.762) (Citation: 09).

38. **Ghosh, B. C.**; Deb, N.; Mukherjee, A. K.– *J. Phys. Chem. B*(2010), 114, 9862-9871. 'Determination of individual proton affinities of ofloxacin from its UV-Vis absorption, fluorescence and charge-transfer spectra: Effect of inclusion in β -cyclodextrin on the proton affinities'(Impact factor: 3.377) (Citation: 05).
39. **Ghosh, B. C.**; Mukherjee, A. K. – *Mol. Phys.*(2011), 109, 1805–1811. 'Room-temperature fluorescence of a charge-transfer complex of reserpine in aqueous and aqueous–ethanol media' (Impact factor: 1.853) (Citation: 03).
40. **Ghosh, B. C.**; Mukherjee, A. K. – *Mol. Phys.*(2011), 111, 851–859. 'Investigation of ionization equilibria of L-Aspartic and L-Glutamic acids in water at a microscopic level by DFT method' (Impact factor: 1.853) (Citation:01).
41. **Ghosh, T.**, Auerochs, S., Saha, S., Ray, B., Marschall M., (2010). Anti-cytomegalovirus activity of sulfated glucans generated from a commercial preparation of rice bran.*Antiviral Chemistry and Chemotherapy*,21, 85-95. (Impact Factor – 2.386)
42. **Ghosh, T.**, Basu, A., Adhikari, D., Roy, D., Pal, A.K. (2015).Antioxidant activity and structural features of *Cinnamomumzeylanicum*. *3 Biotech, Springer: Accepted in Press*, DOI 10.1007/s13205-015-0296-3. ISSN: 2190-5738 (Impact factor: 1.5).
43. **Ghosh, T.**, Chattopadhyay, K., Marschall, M., Karmakar, P., Mandal, P., Ray, B., (2009). Focus on antivirally active sulfated polysaccharides: from structure-activity analysis to clinical evaluation. *Glycobiology*, 19(1), 2-15. (Impact Factor – 3.212)
44. **Ghosh, T.**, Pujol, C.A., Damonte, E.B., Sinha, S., Ray, B., (2009). Sulfated xylomannans from the red seaweed *Sebdeniapolystyactyla*: structural features, chemical modification and antiviral activity. *Antiviral Chemistry & Chemotherapy*, 19, 235-242. (Impact Factor – 2.386)
45. **Ghosh, A. K.** Adhikari. B., Maiti. S (1995), 'A Plant Product Modified Carbon Black as a Reinforcing Filler for Rubber, *J. Polym.Mater.*12, 285.
46. GhoshS. N., **GhoshA. K.**, Adhikari. B,Maiti S. (2000), 'Characterization of a Flame Retardant Plant Polymer and its Influence on the Properties of Rubber Vulcanizates,*Int. J. Polymeric Mater.*,48, 79.
47. Goswami, S., Mukherjee, A., Saha, S., Ghosh, T., Roy, D., **Ghosh,T.**, Adhikari D., Mukherjee, S., (2013).Cellular and metabolic response of haemocyte of *Ibothelphusaspin*invaded with wound.*B N Seal Journal of Science. Volume V, Issue I: 100- 114. ISSN 0975-5624*
48. Halder,U.C., Chakraborty, J., **Das, N.**, Bose, N.(2012), Tryptophan dynamics in the exploration of micro-conformational changes of refolded β -lactoglobulin after thermal exposure: A steady state and time-resolved fluorescence approach. *Journal of Photochemistry and Photobiology B: Biology*, 109, 50.(impact factor 2.96) (Citation: 14)
49. Karmakar, P., **Ghosh, T.**, Sinha, S., Saha, S., Mandal, P., Ghosal, P.K., Ray, B., (2009). Polysaccharides from the brown seaweed *Padinatetrastromatica*: Characterization of a sulfated fucan. *Carbohydrate Polymers*, 78, 416–421. (Impact Factor - 4.568)
50. Karmakar, P., Pujol, C.A., Damonte, E.B., **Ghosh, T.**, Ray, B., (2010). Polysaccharides from *Padinatetrastromatica*: Structural features, chemical modification and antiviral activity. *Carbohydrate Polymers*, 80, 514-521. (Impact Factor - 4.568)
51. Mandal, P., Pujol, C.A., Damonte, E.B.,**Ghosh, T.**, Ray, B., (2010).Xylans from *Scinaiahatei*: Structural features, sulfation and anti-HSV activity. *International Journal of Biological Macromolecules*, 46, 173-178. (Impact Factor - 3.016)
52. **Mandal, S**, Ghosh S, Hajra J N (2001), Performance of Iron Pyrite on the Dissolution of Sedimentary and Igneous Rock Phosphate,*Indian Agriculturist*, 45, No.3 and 4, 201-208.
53. **Mandal, S**, Hajra J N (2001), Mineralisation of Phosphorus from Paddy Straw and Water hyacinth during their Decomposition, *Indian Agriculturist*,46, No.3, 207-209.
54. **Mandal, S**, Rehman F. H., Hajra J N (2001), Effect of Amjhore Pyrite on the Release of Phosphorus from Mussoorie Rock Phosphate, *Journal Interacad*, 5,2,198-201.

55. **Mandal, S.**, Saha H., Hajra J N (2003), Effect of Phosphate Rock and Pyrite on the Decomposition and Enrichment of Rice Straw Inoculated with Cellulose Decomposing Fungi, *Indian Agriculturist*, 47, No.3 and 4,265-272.
56. **Mandal, S.**, Saha H., Hajra J N (2003), Preparation of Phosphocompost from Paddy Straw and Water hyacinth and it's Evaluation on Paddy and Rice Bean, *Environment and Ecology*, 21, 2,267-271.
57. **Mandal, S.**, SantraS.C (1996), Changes in Microbiological population in the Rice Field induced by Fertilizer Application, *Indian Biologist*, Vol XXVIII, No.2.
58. **Mandal, Sutapa, Acharjee N** (2017), DFT study for radical capture by mitochondria oxidotoxin protective ionic and non-ionic amphiphilic α -phenyl-N-t-butyl nitronate derivatives; *Indian Journal of Chemistry Section A*, 56A, 9. (Impact factor: 0.851) (Citations: 0).
59. Mukherjee, S., Roy, D., Adhikari D., **Ghosh, T.**, (2015), **Impairment of haematological profile of *Channapunctatus* exposed to sodium arsenite.** *International Journal of Applied Biology and Pharmaceutical Technology*, 6(2):223 - 229. ISSN: 0976-4550. (Impact factor: 0.99).
60. Mukherjee, S., Roy, D., **Ghosh, T.**, Adhikari, D., (2014), Characterization of biochemical profile of Hepatitis B patient. *B N Seal Journal of Science. Volume VI, Issue I*: 118- 125. ISSN 0975-5624
61. Nandi D, Basu T, Debnath S, **Ghosh A K**, De A, Ghosh U C (2013), *J. Chemicals and Engineering Data* (ACS) dx.doi.org/10.1021/je40052571.
62. Nandi D, **Ghosh A. K.**, De A., Ghosh U C (2014), *Applied Surface Science*, 293, (dx.doi.org/10.1016/j.apsusc.2013.12.106, 90.
63. Nandi D, **Ghosh A. K.**, De A., Sen P, Ghosh U C (2013), 'Fabrication, nanostructure evaluation, 3D electrical transport and electrochemical capacitance of PEDOT-Ti (IV)-doped iron (III) oxide nanocomposite' *J. Materials Science*, DOI 10.1007/s10853-013-7760-4, (Citation: 3)
64. Nandi D, **Ghosh A. K.**, De A., Sen. P, Gupta. K, Duttachoudhury A, Ghosh U. C. (2012), Polypyrrole-titanium (IV) doped iron (III) oxide nanocomposites: synthesis, characterization with tunable electrical and electrochemical properties *Materials Research Bulletin*, 47, 2095, (Citation: 15)
65. Nandi D, Gupta K, **Ghosh A. K.**, De A, Ray N. R, Ghosh U. C. (2013), 'Thermally stable polypyrrole-Mn doped Fe (III) oxide nanocomposite sandwiched in graphene layer: Synthesis, characterization with tunable electrical conductivity' *Chemical Engineering Journal* 220, 107. (Citation: 5)
66. Nandi D, Gupta. K., Ghosh A. K., A. De, S. Banerjee, Ghosh U. C (2012), **Manganese-incorporated iron(III) oxide-graphene magnetic nanocomposite: synthesis, characterization, and application for the arsenic(III)-sorption from aqueous solution** *J. Nanoparticle Research* 14, 1272. (Citation: 19)
67. Nandi D, Talukdar A, Ghosh U. C., De A., Bhunia S, **Ghosh A. K.** (2012), Reduced graphene oxide/ethylene vinyl acetate co-polymer composite with improved thermal stability and flame retardancy *J. Polym. Mater.* 29, 401.
68. Pal, S., Maity, S., Sardar, S., Parvej, H., **Das, N.**, Chakraborty, J., Halder, U.C. (2016), Curcumin inhibits the Al(III) and Zn(II) induced amyloid fibrillation of β -lactoglobulin *in vitro*, *RSC Adv.*, 6, 111299-111307 (Impact factor: 3.289)
69. Roy, D.; Deb, N.; **Ghosh, B. C.**; Mukherjee, A. K. – *Spectrochim. Acta, Part A* 2009, 73, 201-204. 'Inclusion of riboflavin in β -cyclodextrin: A fluorimetric and absorption spectrometric study' (Impact factor: 2.360) (Citation: 08).
70. Sardar, S., Maity, S., Pal, S., Parvej, H., **Das, N.**, Sepay, N., Sarkar, M., Halder, U.C. (2016), Facile synthesis and characterization of beta lactoglobulin-copper nanocomposites having antibacterial applications, ^a *RSC Adv.*, 6, 85340-85346 (Impact factor: 3.289)
71. Sinha, S., Astani, A., **Ghosh, T.**, Schnitzler, P., Ray, B., (2010), Polysaccharides from *Sargassumtenerimum*: Structural features, chemical modification and anti-viral activity. *Phytochemistry*, 71, 235-242. (Impact Factor - 3.278)

72. Tiwary, A. S.; **Ghosh, B. C.** (2016), Lucas Sequence and Fabonacci Triads of Graphs for analysis of Charge Transfer Spectra of Complexes of a series of Methylated Indole. *J. Indian Chem. Soc.* 93, 1115-1121. (Impact factor 0.33).

➤ Books

1. **Acharjee N**, Dhar P, Engineering Chemistry Practicals, Practical Text Book for 1st year B.Tech students (According to the Latest Syllabus of WBUT and other equivalent courses; ISBN: 978-93-80673-25-7; Published by U. N. Dhur& SONS Private Ltd, Kolkata,
2. **Acharjee N**, Dhar P, **Environmental Studies**, (As per the latest UGC Syllabus for Undergraduate Courses of all branches of Higher Education for all Indian Universities), ISBN: 978-93-80673-97-4; Published by U. N. Dhur & SONS Private Ltd, Kolkata,

➤ Book Chapters in Edited Volume

1. Chattopadhyay, K., **Ghosh, T.**, Karmakar, P., Mandal, P., Ghosh, P., Ray, B. (2009). Ethnopharmacological Uses, Chemical Constituents and Biological Activities of Sesame: A Review. In: Recent Progress in Medicinal Plants, 23, 91-113, **Studium Press LLC,USA**.
2. Uttam Sinha Mahapatra, Barnali Dutta, **Barun Bandyopadhyay** and Debasish Mukherjee, (1998), State-Specific Multi-reference Coupled Cluster Formulations : Two Paradigms, Advances in Quantum Chemistry; Volume 30, , Academic Press, USA/UK, pp 163-193; ISBN 0-12-034830-6 (Citation :137)

Department: Commerce

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Maitra D**; [Debasish Maitra; Associate Professor and HOD]
2. **Roy K. S**; [Sanjoy Kr. Roy; Associate Professor, Officer in Charge]
3. **Mitra J,K** [Jayanta Kr. Mitra; Associate Professor]
4. **Banerjee D** [Deep Banerjee, Assistant Professor]

➤ Research articles/reviews

1. **Banerjee D, Sur D (2011)** "Business Risk in Indian Pharmaceutical Industry during the Post-Liberalization era – An empirical analysis through Ginni's coefficient of Concentration." Published in Lectures on Contemporary Issues in Accounting and Management.[ISBN-978-81-921382-1-1]
2. **Banerjee D, Sur D, Mitra D (2012)**"Business risk in NTPC Ltd :During the Pre-liberalization and Post-Liberalization periods-A comparative." Published in The Management Accountant. [ISSN-0972-3528]
3. **Banerjee D, Sur D, Maji S (2013)** "Liquidity Management in PSUs in Post-Reform Era: A case study of BHEL." Published in the Management Accountant. [ISSN-0972-3528]
4. **Maitra D..(2002)**"Account & Manage Commercially "- The Times of India – , Kolkata
5. **Maitra D.(2004)** "Environmental Management policy and planning- A short study"- UGC Sponsored National level Seminar on "Impart of Civilization on Environment" Organized by Jhargram Raj College, Jhargram Midnapur(W), West Bengal.
6. **Maitra D..(2005)** "The Role of Corporate Governance in Corporate Wealth Creation and Ethical Values"- Published at UGC Sponsored State Level Seminar "Wealth Creation and Ethics"- Organized by Goenka College of Commerce & Business Administration.
7. **Roy K. S.** (2010) "Entrepreneurship Education – An Indian Experience" - Academic Journal of Hooghly Mohsin College, vol – 05(01), ISSN: 0973 – 6212.

8. **Roy K. S.** (2011) "Intellectual Capital- A Corporate Value Creator" - Academic Journal of Hooghly Mohsin College Vol.06 (01), ISSN 0973-6212.
9. **Roy K. S.** (2011) "An Insight into Entrepreneurship Education in India – Some Facets - Bulletin of Commerce Alumni Association, University of Calcutta.
10. **Roy K. S.** (2011) "Convergence with IFRS in India: Biting the Bullet" jointly with Dr. Subrata Kar -Journal of Business and Economic Issues, Barrackpore Rastraguru Surendranath College, Vol. 3, No. 1, ISSN: 0974-9144.
11. **Roy K. S.** (2011) "From the Archaic Era to IFRS Regime: A Chronicle of Accounting Thoughts" jointly with Dr. Subrata Kar published in 175th Anniversary Commemorative Volume, Hooghly Mohsin College, December, 2011, ISBN: 978-81-908801-4-5.
12. **Roy K. S.** (2011) "Women Entrepreneurship in India: Growth and Restraints" - Conference proceeding on Women Entrepreneurship in India: Emerging Issues organized by SonarpurMahavidyalaya, Kolkata in collaboration with Baruipur College, funded by UGC, ISBN 81-924140-4-3.
13. **Roy K. S.** (2012) "Social Capital in Microfinance: An Augmented Domain)- Conference proceedings on Changing world of Finance organized by Serampore College, Hooghly in collaboration with ICAI Serampore Chapter funded by UGC.
14. **Roy K. S.** (2012) "Related Party Transactions In Corporate Firms: AS, IFRS& Cases Behind The Curtain" -Indian Accounting Standards: Convergence with IFRSs Organized by: Department of Commerce, P N Das College, Palta, North 24 Parganas, W.B. in collaboration with Indian Accounting Association, Kolkata Branch (UGC Sponsored National Seminar) ISBN No: 978-93-82472-68-1, Lawpoint Publications, Kolkata.
15. **Roy K. S.** (2013) "Harmonization between Tax and Accounting: Some Decisive Domains"- Suprayaga, Vol.2, ISBN 978-81-924236-1-6.
16. **Roy K. S.** (2013) "An Account of Accounting Intellections" Department of Commerce & Economics, Savitri Girls' College. ISBN 978-93-82549-31-4.

➤ Books

1. **Mitra J.K.** (2009), *Advanced Cost and Management Accounting*; New Age International (P) Limited, New Delhi; ISBN 978-81-224-2594-9 (1336 pages); [For M.Com.; C.A.; C.M.A. & C.S. Students].
2. **Mitra J.K.** (2011), *Cost and Management Accounting*, Tee Dee Publication, Kolkata; (1228 pages); [For B.Com. Honours Students].
3. **Mitra J.K.** & Somani N. (2016), *Principles of Management and Business Communication*; Oxford University Press, New Delhi; ISBN 978-0-19-947056-3 (248 pages); [For B.Com. General Students].
4. **Mitra J.K.** & Mazumder D. (2011), *Accounting and Economics*; New Age International (P) Limited, New Delhi; ISBN 978-81-224-3160-5 (708 pages); [For B.Tech. Students of WBUT].
5. **Mitra J.K.** & Mazumder D. (2011), *Business Economics and Accounting*; Knowledge Kit Publications, Kolkata; ISBN 978-93-84107-01-7 (718 pages); [For Polytechnic Students of W.B. Technical Education].
6. **Mitra J.K.** (2003), *Fundamentals on Management*; ABS Publication House, Kolkata, (511 pages); [For B.Com. Honours Students of Calcutta University (Old Syllabus)].
7. **Mitra J.K.** (2003), *Business Organisation*; ABS Publication House, Kolkata, (592 pages); [For Higher Secondary Students of West Bengal H.S. Council].
8. **Mitra J.K.** (2000), *Principles of Commerce*; ABS Publication House, Kolkata; (320 pages); [For ISC XI and XII Students].
9. **Mitra J.K.** (2002), *ISC Business Studies*; ABS Publication House, Kolkata; (288 pages); [For ISC XI and XII Students].
10. **Mitra J.K.** (2013), *H.S. Business Studies*; ABS Publication House; Kolkata, (364 pages); [For HS XI and XII Students of WBHSC].

➤ **Book Chapters in Edited Volume**

1. **Banerjee D, Sur D (2011)** "Business Risk in Indian Pharmaceutical Industry during the Post-Liberalization era – An empirical analysis through Ginni's coefficient of Concentration." Published in Lectures on Contemporary Issues in Accounting and Management.[ISBN-978-81-921382-1-1]
2. **Maitra D..(2005)** Disasters in Organisation : A general view"- Combating Disaster perspectives in the New Millennium – abc Publication Kolkata. ISBN 81-87500-29-8

Department: Conservation Biology

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Banerjee M**; [Dr. Moitreyee Chakrabarty; Assistant Professor and HOD]
2. **Sanyal. S** [Sanghamitra Sanyal, Part Time Faculty]
3. **Mukherjee, A. K.** [Dr. Aloke Kumar Mukherjee; Part time Faculty]

➤ **Research articles/reviews**

1. **Mukherjee J.**, Banerjee, M., Ray, S., Banerjee, A., Ghosh, P.B. (2014). Impact of environmental factors on the carbon dynamics at Hooghly estuarine region. *Journal of Ecosystems*, Volume 2014, Article ID 607528, <http://dx.doi.org/10.1155/2014/607528>.
2. **Banerjee M.** 2014 Diversity and composition of beetles (Order: Coleoptera) of Durgapur, West Bengal, India. *Pshyche:Journal of Entomology*. Volume 2014, Article ID 792746 <http://dx.doi.org/10.1155/2014/792746>
3. **Banerjee M.** 2014 Diversity of Ants: A small case study from Coochbehar Municipal Area. *Octa Journal of Environmental Research*.2(4): 385-390.
4. Biswas SD, Garai B, **Banerjee M.** Genotoxic 2014 Effects of Tobacco on Buccal Epithelium: Cell Nuclear Anomalies as Biomarker. *Asia Pacific Journal of Medical Toxicology*. 3: 157-162.
5. **Banerjee M.**, Mukherjee J., Banerjee A., Roy M., Bandyopdhyay G., Ray S. 2015. Impact of environmental factors for maintaining water quality of Bakreswar reservoir, India. *Computational Ecology and Software*. 5(3): 239-253.
6. **Banerjee M.**, Mukherjee J., Ray S. 2016A review on reservoir system and its ecology in Indian perspective. *Proceedings of Zoological Society*.DOI 10.1007/s12595-016-0165-z
7. Changder S., Adhurya S., Roy U S., **Banerjee M.** 2015A report on midwinter bird diversity from Mangalajodi wetland, Odissa. *Zoo's Print XXX* (12) 1-5.
8. Mukherjee J., Jana D., **Banerjee M.**, Ghosh B. P. and Ray S. 2015 Utilization of Carbon in NPZ Model of Hooghly Estuarine System, India 6: 292. DOI 10.4172/2157-7617.1000292
9. Banerjee A., Banerjee M., Mukherjee J., Rakshit N and Ray S. 2016Trophic relationships and ecosystem functioning of Bakreswar Reservoir, India. *Ecological Informatics*. DOI: 10.1016/j.ecoinf.2016.09.006.
10. Ghosh, A.R., S. Pal and **A.K. Mukherjee**. 2006: Chemical Pollutants and Its Effect on Fish Physiology with Special Reference to Accumulation, Absorption and Excretion. *Journal of Environment and Sociobiology*, 4(1): 55-62.
11. Mukhopadyay, S., S. Pal, **A. K. Mukherjee** and A. R. Ghosh, 2009: Ambient air quality monitoring in opencast coal mining area of Bankola area (Under Eastern Coal Field Ltd) of Asansol Raniganj region. *The Ecosan*, 4(1): 01-05. . [ISSN : 0974-0376].
12. Bhowmick, A., A.R. Ghosh, R. Banerjee, **A.K. Mukherjee**, S. Pal and T. Senapati., 2010: Remediation of Cadmium toxicity caused by EDTA and *Echhorniacrassipes* in the different regions of the alimentary canal of *Anabas testudineus* (Bloch): A Scanning Electron Microscopic study. *Asian journal of Microbiology Biotechnology and Environmental Science*, 12(4): 835-843.
13. Senapati, T., **A.K. Mukherjee**, and A.R. Ghosh,. 2009: Observation on the effect of glyphosate based herbicide on ultra structure (SEM) and enzymatic activity in different regions of alimentary canal and gill of *Channa punctatus* (Bloch). *Journal of Crop and Weed*, 5 (1): 236 – 245. (S/IL/24559).

14. Samanta, P., T. Senapati, **A.K. Mukherjee**, S. Mondal, S. Haque, and A.R. Ghosh. 2010: Effectiveness of Almix in controlling aquatic weeds and fish growth and its consequent influence on water and sediment quality of a pond. *The Bioscan*, (Special Issue) 3: 691-700.
15. Bhaumik, S. and **A.K. Mukherjee**. 2011: Environmental Violence on the Coastal Regulation Zone and Possible Tourism Threats at Sea-Coast of Mandaramoni, East-Midnapore, West Bengal. *Tourism: Theory and Practice*. 9(2): 57-70. [ISSN: 0973-6611]
16. Senapati, T., **A.K. Mukherjee**, and A.R. Ghosh. 2012: Observations on the effect of almix-20^{wp} herbicide on ultra structure (SEM) in different regions of alimentary canal of *Anabas testudineus*(Cuvier). *International Journal of Food, Agriculture and Veterinary Sciences*. 2(1): 32-39.
17. Haque, S., S. Pal, **A.K. Mukherjee**, and A.R. Ghosh. 2012: Histopathological and ultramicroscopic changes induced by fluoride in soft tissue organs of the air-breathing teleost, *Channa punctatus* (Bloch). *Fluoride*, 45(3 Pt 2): 263-273.
18. Chatterjee, S., M. Chhatri, **A.K. Mukherjee**, T. Senapati, and A.R. Ghosh. 2013: Study of physicochemical conditions of discarded diesel contaminated Locoshed pond near Burdwan Locomotives of Burdwan, West Bengal. *International Journal of Environmental Sciences* (Online), 3(5): 1446-1456 [ISSN 0976-4402].
19. Samanta, P., **A.K. Mukherjee**, S. Pal, T. Senapati, S. Mondal, and A.R. Ghosh. 2013: Major ion chemistry and water quality assessment of waterbodies at Golapbag area under Barddhaman Municipality of Burdwan District, West Bengal, India. *International Journal of Environmental Sciences* (Online), 3(6):1954-1972. [ISSN 0976 – 4402].
20. Samanta, P., S. Pal, **A.K. Mukherjee**, T. Senapati, A.R. Ghosh. 2013: Evaluation of enzymatic activities in liver of three teleostean fishes exposed to commercial herbicide, Almix 20 WP. *Proceedings of the Zoological Society*. 1-5. ISSN 0373-5893 (Online), 68(1): 9-13. [DOI 10.1007/s12595-013-0086-z](https://doi.org/10.1007/s12595-013-0086-z).
21. Pal, S., **A.K. Mukherjee**, T. Senapati, P. Samanta, S. Mondal, and A.R. Ghosh. 2013: Surface water quality assessment of abandoned opencast coal pit-lakes in Raniganj coalfields area, India. *The Ecoscan* (Special Issue), Vol.IV. 175-188. [ISSN: 0974 – 0376].
22. Samanta, P., S. Pal, **A.K. Mukherjee**, T. Senapati, and A.R. Ghosh. 2014: Effects of Almix herbicide on metabolic enzymes in different tissues of three teleostean fishes *Anabas testudineus*, *Heteropneustesfossilis* and *Oreochromisniloticus*. *International Journal of Scientific Research in Environmental Sciences*, 2(5): 156-163.
23. Pal, S., **A.K. Mukherjee**, T. Senapati, P. Samanta, S. Mondal and A.R. Ghosh. 2014: Study on littoral zone sediment quality and aquatic macrophyte diversity of opencast coal pit-lakes in Raniganj Coal Field, West Bengal, India. *International Journal of Environmental Sciences* 01/2014; 4(4):575-588.
24. Samanta, P., S. Pal, **A.K. Mukherjee**, and A.R. Ghosh. 2014: Biochemical effects of glyphosate based herbicide, Excel Mera 71 on enzyme activities of acetylcholinesterase (AChE), lipid peroxidation (LPO), catalase (CAT), glutathione-S-transferase (GST) and protein content on teleostean fishes. *Ecotoxicology and Environmental Safety*, 107: 120-125.
25. Samanta, P., S. Pal, **A.K. Mukherjee**, and A.R. Ghosh. 2014: Evaluation of Metabolic Enzymes in Response to Excel Mera 71, a Glyphosate-Based Herbicide, and Recovery Pattern in Freshwater Teleostean Fishes. *BioMed Research International*. Article ID 425159, 6 pages. <http://dx.doi.org/10.1155/2014/425159>
26. Samanta, P., S. Pal, **A.K. Mukherjee**, T. Senapati, D. Kole, and A.R. Ghosh. 2014: Effects of almix herbicide on profile of digestive enzymes of three freshwater teleostean fishes in rice field condition. *Toxicology Reports*, 1 (2014) 379-384. [\[http://dx.doi.org/10.1016/j.toxrep.2014.07.001\]](http://dx.doi.org/10.1016/j.toxrep.2014.07.001)
27. Samanta, P., S. Pal, **A.K. Mukherjee**, T. Senapati, D. Kole, and A.R. Ghosh. 2014: Effects of almix herbicide on alanine aminotransferase (ALT), aspartate aminotransferase (AST) and alkaline phosphatase (ALP) of three teleostean fishes in rice field condition. *The Global Journal of Environmental Science & Research*, 1(1): 1-9. [ISSN-2349-7335]
28. Samanta, P., S. Pal, **A.K. Mukherjee**, T. Senapati, and A.R. Ghosh. 2014: Alterations in digestive enzymes of three freshwater teleostean fishes by Almix herbicide: A comparative study. *Proceedings of the Zoological Society*. 1-5. ISSN 0373-5893 (Online), [DOI 10.1007/s12595-014-0122-7](https://doi.org/10.1007/s12595-014-0122-7).

29. Kole, D., P. Samanta, A.R. Ghosh, S. Pal, and **A.K. Mukherjee**. 2014: Limnobiological status of hospital waste-fed pond within the burdwan medical college and hospital premises at burdwan town, W.B. *The Ecoscan*, 8(1&2): 11-16.
30. Samanta, P., N. Bandyopadhyay, S. Pal, **A.K. Mukherjee**, and A.R. Ghosh. 2015: Histopathological and ultramicroscopical changes in gill, liver and kidney of *Anabas testudineus* (Bloch) after chronic intoxication of almix (metsulfuron methyl 10.1% + chlorimuron ethyl 10.1%) herbicide. *Ecotoxicology and Environmental Safety*, 122: 360-367. [DOI: 10.1016/j.ecoenv.2015.08.022].
31. Mondal, S., **A.K. Mukherjee**, T. Senapati, S. Pal, S. Haque and A.R. Ghosh. 2015: Stratification and water quality of an abandoned opencast coal pit lake at Raniganj Coalfield Area, West Bengal, India. *Lakes and Reservoirs: Research and Management*, 20: 85-100. [DOI: 10.1111/lre.12090].
32. Samanta, P., S. Pal, **A.K. Mukherjee**, T. Senapati, and A.R. Ghosh. 2016: Effects of Almix Herbicide on histopathological and ultrastructural alterations in freshwater fish, *Heteropneustesfossilis*: A Comparative Study. *Annals of Biological Research*, 7 (2):24-32. [ISSN 0976-1233].
33. Samanta, P., S. Pal, **A.K. Mukherjee**, T. Senapati, D. Kole, and A.R. Ghosh. 2016: Effects of Almix® Herbicide on oxidative stress parameters in three freshwater Teleostean fishes in natural condition. *Biochemistry and Pharmacology (Open Access)*, 5(3), 209: 1-6. (ISSN: 2167-0501 BCPC) [DOI: 10.4172/2167-0501.1000209]
34. Samanta, P., S. Pal, **A.K. Mukherjee**, T. Senapati, and A.R. Ghosh. 2016: Histopathological and ultrastructural alterations in *Anabas testudineus* exposed to glyphosate-based herbicide, Excel Mera 71 under Field and laboratory conditions. *Journal of Aquaculture Research and Development*, 7(7):436 [Open Access: doi:10.4172/2155-9546.1000436] [ISSN: 2155-9546].
35. Samanta, P., **A.K. Mukherjee**, S. Pal, D. Kole, and A.R. Ghosh. 2016: Toxic effects of glyphosate-based herbicide, Excel Mera 71 on gill, liver, and kidney of *Heteropneustesfossilis* under laboratory and field conditions. *Journal of Microscopy and Ultrastructure*, 4(3):147-155 [Open Access: DOI.org/10.1016/j.jmau.2016.01.002].
36. Samanta, P., S. Pal, **A.K. Mukherjee**, T. Senapati, and A.R. Ghosh. 2016: Cytopathological Effects of Almix Herbicide on gill, liver and kidney of *Oreochromisniloticus* under field and laboratory conditions. *Toxicology: Open Access*, 2(1):112.
37. Samanta, P., S. Pal, **A.K. Mukherjee**, D. Kole, and A.R. Ghosh. 2016. Histopathological Study in Stomach and Intestine of *Anabas testudineus*(Bloch,1792) under Almix Exposure. *Fisheries and Aquaculture Journal*, 7(3):179 [ISSN: 2150-3508] [Open Access : DOI: 10.4172/2150-3508.1000179].
38. Samanta, P., S. Pal, **A.K. Mukherjee**, T. Senapati, D. Kole and A.R. Ghosh. 2016. Gastrointestinal pathology in freshwater fish, *Oreochromisniloticus* (Linnaeus) under Almix exposure. *Journal of Environmental and Analytical Toxicology*, 6(5): 399. [ISSN: 2161-0525] [Open Access: DOI: 10.4172/2161-0525.1000399].
39. Khatun, A., S. Pal, **A.K. Mukherjee**, P. Samanta, S. Mondal, D. Kole, P. Chandra, and A.R. Ghosh. 2016: Evaluation of metal contamination and phytoremediation potential of aquatic macrophytes of East Kolkata Wetlands, India. *Environmental Health and Toxicology*, 31. [eISSN: 2233-6567] [Open Access: <https://doi.org/10.5620/eht.e2016021>
40. Adams, R. D., Boswell, E., Miao, S. and **Sanyal S.** (2005), Trinuclear Metal Clusters with Three Different Metal Atoms from the Insertion of CpCo and Cp*Rh Groups into the S-S Bonds of $[CpFeMn(CO)_5(\mu-S_2)]_2$, *Journal of Cluster Science*, June 2005, Volume 16, Issue 2, pp 117-126
41. Adams, R. D., Captain, B., Kwon O-S., Pellechia, P. J. and **Sanyal S.** (2004), Synthesis and properties of oligomers of iron-manganese carbonyl complexes with bridging disulfido ligands, *Journal of Organometallic Chemistry*, Volume 689, Issue 8, 15 April 2004, Pages 1370-1376
42. Adams, R. D., Kwon O.-S., and **Sanyal S.** (2003), Syntheses and structures of selenidodimanganese and iron-manganese carbonyl cluster complexes, *Journal of Organometallic Chemistry*, Volume 681, Issues 1-2, 12 September 2003, Pages 258-263

43. Banerjee, A., **Sanyal S.** and Sen S. (2012), Isolation and partial characterization of an amylolytic bacterium, *Nature Precedings*<<http://dx.doi.org/10.1038/npre.2012.6774.1>>
44. Banerjee, A., **Sanyal S.** and Sen S. (2012), Microbial urease activity of agricultural soil: enzymology and assessment of soil fertility, *Journal of Mycopathological Research* 2012 Vol. 50 No. 2 pp. 235-241
45. Banerjee, A., **Sanyal S.** and Sen S. (2012), Soil phosphatase activity of agricultural land: A possible index of soil fertility, *Agricultural Science Research Journals* Vol. 2(7), pp. 412-419, July 2012

➤ **Books (Provide Details of Books of A. K. Mukherjee)**

Mukherjee, A.K., S. Pal, T. Senapati, and A.R. Ghosh. 2013: Ecofriendly technology for pisciculture in abandoned OCP- lakes at RCF Area, West Bengal, India. In: Food and Environment Security Imperatives of Indigenous Knowledge Systems (D. Das Ed.) *Agrobios (India)*: 149-160. [ISBN (13): 978-81-7754-509-8].

➤ **Book Chapters/articles in Edited Volume**

Mukherjee, A.K., S. Pal, T. Senapati, and A.R. Ghosh. 2013: Ecofriendly technology for pisciculture in abandoned OCP- lakes at RCF Area, West Bengal, India. In: Food and Environment Security Imperatives of Indigenous Knowledge Systems (D. Das Ed.) *Agrobios (India)*: 149-160. [ISBN (13): 978-81-7754-509-8].

➤ **Conference Proceedings**

1. **Banerjee M** and Ray S. (2012) Spatial Pattern of zoolplankton Community in Bakreswar Reservoir, India. in conference proceedings of International Conference on Biodiversity and wildlife organised by West Bengal Biodiversity Board in February 2012.
2. Dey, K., **Sanyal S.**, Bhattacharjee, M. and Banerjee, S. (2013), Production of Biofertilizer (Anabaena &Nostoc) using CO₂ , National Seminar on Recent trends in Applied Sciences & Humanities, pp 79
3. Dey, K., Sar, M., **Sanyal S.**, Banerjee, H., Bhattacharjee, M., Mishra, B., Banerjee, S. and Roy, P. (2011), Degradation of phenol by *Bacillus* sp.: Isolation strategy, Strain characteristics and Cell immobilization, National Conference on Advanced pollution control system for better environmental management, pp 52
4. Ghosh, A.R., S. Pal and **A. K. Mukherjee**, 2005: Sustainability Opportunity for Potential Aquaculture in OCPS as a Post-Mining Land use for Rural Economic Development in Raniganj Coalfield Areas. p.140-155. In D. Khare, S. K. Mishra, S. K. Tripathi, G. Chauhan and N. Sharma (ed) Recent advances in water resources development & management. Vol. I. Allied Publishers. New Delhi, India.
5. Kole, D., S. Pal, **A.K. Mukherjee**, P. Samanta, and A.R. Ghosh. 2014: effects of chromium on tissue-specific biochemical parameters in freshwater catfish, *Anabas testudineus* (Bloch). Paper published at "HydroMedit 2014: 1st International Conference of Applied Ichthyology and Aquatic Environment", November 13-15, 2014, Volos, Greece. Pp 168-174
6. Mondal, S., **A.K. Mukherjee**, T. Senapati, S. Haque and A.R. Ghosh. 2014: Interrelationship between TOC, IC, TC and DO, BOD, COD of water in regard to stratification of an abandoned OCP at Raniganj coal field area, Burdwan, West Bengal. Paper published at "HydroMedit 2014: 1st International Conference of Applied Ichthyology and Aquatic Environment", November 13-15, 2014, Volos, Greece. Pp 25-29.
7. Samanta, P., S. Pal, **A.K. Mukherjee**, T. Senapati, and A.R. Ghosh. 2014: Biochemical effects of Almix herbicide in three freshwater teleostean fishes. Paper published at "HydroMedit 2014: 1st International Conference of Applied Ichthyology and Aquatic Environment", November 13-15, 2014, Volos, Greece. Pp 162-167.

Department: Economics

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Saha, S.**; [Samapti Saha; Associate Professor and HOD]
2. **Chakraborty, D** [Dr. Debasis Chakraborty, Assistant Professor]

➤ **Research articles/reviews**

1. **Chakraborty, D.** and P.K. Kuri (2016), Agricultural Efficiency and Rural-Urban Migration: A Micro Study in West Bengal. *Man & Development*, Vol. XXXVIII, No. 2, pp: 35-50. ISSN: 0258-0438.
2. **Chakraborty, D.** and P.K. Kuri (2013), Rural-Urban Migration and Urban Informal Sector in India: An Inter-State Analysis. *International Journal of Current Research*, Vol 5, Issue-04, pp:950-956 ISSN: 0975-833X.
3. **Chakraborty, D.** and G. Banerjee (2012), Prospects Of Service-Led Growth Of Indian Economy. *Communiqué*, Vol. 6, no. 1, pp:53-60. ISSN: 0973-8584.
4. **Chakraborty, D. (2010)**, Urbanization and Climate Change: The Indian Perspective. *Communiqué*, Vol. 4, no. 1, pp: 59-70. ISSN: 0973-8584.
5. **Chakraborty, D.** and P.K. Kuri (2008), Internal Migration in India: Causes & Determinants. *IASSI Quarterly*, Vol. 26, no.4, pp: 47-63. ISSN: 0970-9061.
6. **Saha, S. (2016)**, Family planning: Implications of Women Empowerment-A Case Study, *Journal of Peoples' History and Culture*, Vol. 2, no. 2, pp: 33-39, ISSN: 2397-7379
7. **Saha, S.(2015)**, Role of Women Panchayat Member in Village Development; *Communiqué*, 9,1, ISSN No. 0973-8584. pp. 93-96.
8. **Saha, S. (2008)**, Disparities of Status of Women in Different District of West Bengal – Measured by Gender Related Development Index. *Victorian Journal of Arts*, 1, 2. ISSN No. 0975-5632. pp. 11-16.
9. **Saha, S.(2015)**, MGNREGS and Economic Status of Rural Women – A Field Study; *Kurukhatra*, 63. ISSN No. 0021-5660, pp.26-28.
10. **Saha, S.(2014)**, Economic Development through Gender Equality: Relevance of Swami Vivekananda's Teachings; *Communiqué*, 8, 1. ISSN No.-0973-8584. pp. 93-96.
11. **Saha, S. (2013)**, Origin of Indo-Bangladesh Enclaves and its Impact on the Life of Women; *East Indian Journal of Social Sciences*, 1, 2. ISSN No. 2277-4483. PP.196-199.
12. **Saha, S.(2013)**, The Socio-economic Conditions of Indo-Bangla Enclaves; *International Journal of Scientific & Engineering Research* (www.ijser.org); 4, 7. ISSN No. 2229-5518. pp. 1433-1437.
13. **Saha, S.(2013)**, Chhitmohal sthi O Samasya Samparke du-char Katha; *Yojana-Bengali*, August, ISSN No.-0971-8400. pp. 57-60.
14. **Saha, S.(2013)**, A Mixed Pattern of Women Workers in India; *Victorian Journal of Arts*, 4, 1.ISSN No. 0975-5632. pp.39-47.
15. **Saha, S.(2012)**, Economic Background of Ethnic Movement in Cooch Behar, *International Journal of Innovative Research & Development* (www.ijird.com), 1, 8. ISSN No. 2278-0211. pp.263-268.
16. **Saha, S. (2011)**, The Real Situation of Women in India, *Victorian Journal of Arts*, 4, 1. ISSN No. 0975-5632. pp. 60-64.
17. **Saha, S.(2010)**, Cooch Behar abang Jalpaiguri Jellay Antebashi Mahilader Sikhwagata Sthan, *Victorian Journal of Arts*, 3, 1. ISSN No. 0975-5632. pp. 61-69.
18. **Saha, S.(2009)**, Regional Imbalances of SHG-Bank Linkage, *Victorian Journal of Arts*, ISSN No. 0975-5632. pp. 19-24.

➤ **Books**

1. **Chakraborty, D.** "Urbanization and Migration in India: Nature and Determinants". Published from LAP Lambert Academic Publishing, Germany. ISBN: 978-3844307818. Co-author Dr. Pravat Kumar Kuri. March 9, 2009.

➤ **Book Chapters/articles in Edited Volume**

1. **Chakraborty, D. (2013):** Nature, Trend and Determinants of Seasonal Migration in India. In: Saha, S. and Sarkar, K. (Editors), *Indian Economy: Challenges and Opportunities*, Sahid (SHD) Prakashani, Kalyani, PP. 91-110. ISBN: 978-81-922522-6-1.
2. **Chakraborty, D. and P.K. Kuri (2014):** Seasonal Migration in India: Causes and Determinants. In: Dutta, S.K. and Kuri, P.K (Editors) *Rural Livelihood In India: Social, Economic And Environmental Issues*, Serials Publications, Delhi, PP. 29-49. ISSN: 978-81-8387-613-1.
3. **Saha, S. (2015):** Importance of Micro Credit in Financial Inclusion and the Role of Panchayats; In: Awais, M., Zaidi, N.H. (Editors), *Tribal and Rural Development*, ISBN No. 978-81-8484-409-2, pp. 127-134.

➤ **Conference Proceedings**

1. **Saha, S. (2014):** Human Resource Management in Mahatma Gandhi National Rural Employment Guarantee Scheme: Some Illustrations; *International Conference on Challenges in Management and Information Technology*, Bengal College of Engineering and Technology, Durgapur, India, ISBN No.-978-81-8424-900-2. pp. 120-127.

Department: English

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Bose, Devika;** [Dr. Devika Bose; Associate Professor]
2. **Ghosh, M;** [Manjari Ghosh, Associate Professor and HOD]
3. **Chatterjee, A;** [Dr. Anindita Chatterjee, Assistant Professor]
4. **Chatterjee (Das) , N;** [Dr. Nilanjana Chatterjee (Das), Assistant Professor]
5. **Das, R;** [Dr. Ramit Das, Assistant Professor]

➤ **Research articles/reviews**

1. **Bose, Devika** and Amitava Ghosh, "Triggering Innovation and Creativity in Traditional Handicrafts Sectors—An Indian Perspective, *Management Insight*, Volume 8, No 1, June 2012. ISSN 0973-936X Varanasi, June 2012
2. **Bose, Devika.** "Where Nonsense Makes Sense (Of Women Empowerment) – The World of Upendrakishore and Sukumar, *Communique*, Durgapur, 2013 ISSN No. 0973-8584.
3. **Bose, Devika.** "Society and Food" in *Communique*, Durgapur, 2014.
4. **Chatterjee, A.** "Being Seen: Stardom and Celebrity Culture" *Visva- Bharati Quarterly* Volume 24 No 4 2016[pp117-127] 0972-043X
5. **Chatterjee, A.** "Poetry of/in Madness", *Communique*, Volume 9 Number 1, 2015 [pp 97-106] ISSN: 0973-8584
6. **Chatterjee, A.** (2014), River in Literature and Ramanujan's Vaikai. *Muse India*, Issue 56July- Aug2014 ISSN: 0975-1815.
7. **Chatterjee, A.** (2014), Chetan Bhagat and the New India. *The IIS University Journal of Arts*, 3, 1, 69-79, ISSN: 2319-5339.
8. **Chatterjee, A.** (2014), Of personal relationships, Intimacies, Pains and Stories from the heart: An Analysis of Gauri Deshpande's Poetry. *LangLit*, 1, 1, ISSN: 2349-5189.
9. **Chatterjee, A.** (2014), Chhota Bheem: the Indian Super Hero. *Critical and Creative Wings*, 1, 2, 63-72, ISSN: 2348-8026.
10. **Chatterjee, A.** (2014), Review of Rohan Gunaratna's Inside Al-Qaeda, The Global Network of Terror. *LangLit*, 1, 2, ISSN: 2349-5189
11. **Chatterjee, A.** (2013), Difficult Daughters: Virmati, Ida and Shakuntala. *Humanicus*, 8, (www.humanicus.org/global/issues/humanicus),ISSN: 1803-7836.

12. **Chatterjee, A.** (2013), I'm a Poet and I Know it: Ways of Seeing Self, Society and Identity in Eunice de Souza's Poems. *Efflorescence: Journal of the Department of English*, New Ballygunge College, 3, 23-32, ISSN: 22783873.
13. **Chatterjee, A.** (2012), Shakespeare's Nick Bottom: Mad Genius or Country Bumpkin? *The Discourse*, 1, 2, ISSN: 2278-0920.
14. **Chatterjee, A.** (2013), Cricket: The Postcolonial History of a British Sport. *Alternative Discourse*, ISSN 2278-5078.
15. **Chatterjee, A.** (2012), A Study of Rabindranath Tagore's *Chandalika*: An Untouchable Woman's Plea for Love. *Subaltern Speak*, 1, 2, ISSN: 2277-3959.
16. **Chatterjee, A.** (2012), Presentation of the Bonsai and Dwarfed Maturity in Mahesh Dattani's Bravely Fought the Queen. *Galaxy: An International Multidisciplinary Journal*, Special Issue on *Indian English Drama*, 1, 1, ISSN: 2278-9529.
17. **Chatterjee, A.** (2011), John Clare: Poetry of His Asylum Years. *Rupkatha Journal on Interdisciplinary Studies in Humanities*, 3, 4, ISSN: 0975—2935.
18. **Chatterjee, A.** (2012), The Notion of Insanity and the Mental Hospitals of the Nineteenth Century: A Study. *Barnolipi*, 2, 1, ISSN 2249 -2666.
19. **Chatterjee, A.** (2011), A Comparative Analysis of Chinua Achebe's *Things Fall Apart* and ManikBandopadhyay's *Padma Nadir Majhi*. *Barnolipi, An Interdisciplinary Journal*, 1, 4, ISSN: 2249 -2666.
20. **Chatterjee, A.** (2010), History as Fiction or Fiction as History? A History Fiction Interface in Khaled Hosseini's *The Kite Runner*. *Oasis*, 2, 1, ISSN: 0975-4334.
21. **Chatterjee (Das) , N.**(2015),Representation of Colonized 'Calcuta' in Lahiri's *The Lowland: A Neo-Oriental Perspective*. *Journal of the Department of English: Research and Criticism*, New Series, 6, 2015, 110 - 119, ISSN: 2229-3639.
22. **Chatterjee (Das) , N.** (2014), Representation of the House Space in the Fiction of Contemporary Women Writers of Indian Sub- continental Diaspora: A Feminist Perspective. *Literaria: An International Journal of New Literature Across the World*, 4, 2, 28 - 41, ISSN: 2229-4600.
23. **Chatterjee (Das) , N.**(2011), House as Space in JhumpaLahiri's "Unaccustomed Earth". *Appropriations: Journal of the Department of English*, 7, 118 - 126, ISSN: 0975-1521
24. **Chatterjee (Das) , N.** (2011), Contemporary Perspective of Tagore as Represented in YouTube. *Communique*, 5, 1, 95 - 98, ISSN: 0973-8584.
25. **Das, R.** (2014-15), 'Alien Agent of Criminality' or '007's Next Nemesis? Re-visiting the Figure of the Jew on the EarlyModern English Stage. *Appropriations: A Peer-Reviewed Journal of the Department of English, Bankura Christian College*, 10, 144-157, ISSN: 0975-1521
26. **Das, R.** (2010), Early Modern Travel Literature and the Phenomenon of 'Allosemitsim': The Case of Edwin Sandys. *Jadavpur University Essays and Studies*, 24, 53-70, ISSN: 0975-3478
27. **Das, R.** (2010), Shylock(s) in the Promised Land: Four Hebrew Productions of *The Merchant of Venice* in Israel. *The Visva-Bharati Quarterly*, 19, 67-79, ISSN: 0972-043X

➤ Books

1. Bose, Devika."Six Essays on Shakespeare and Shaw". (Durgapur: KIRDZA, 2011). ISBN No. 978-81-909791-1-5.
2. **Chatterjee, A.**(2013), *Critical Studies in Indian Short Stories in English*.Kolkata :Booksway, ISBN: 978-93-81672-67-9.
3. Nawale, A, **Chatterjee, A**, Jha, S. (2012) ed.s *Ethics and Identity in Contemporary Indo English Poetry*.New Delhi: Authors Press, ISBN: 978817273654.

➤ Concept design of a book

1. **Ghosh M,GorumaraJangale**: A 'Travelogue' authored by four children, all four girls, from different socio-cultural background. ISBN: 978 81 923189 50, September 2013

➤ **Book Chapters/articles in Edited Volume**

1. **Bose, Devika** and Amitava Ghosh "Child, Children's Literature and Infertility: Encountering a Global Challenge" published in *Technology, Science & Society: Redefining Global Challenge*. (Kolkata: Avenel Press, 2014) ;ISBN No. 978-93-80761-88-6.
2. **Bose, Devika**, Reconstruction of Sita and Other Writings (2016). Avenel Press, Kolkata. (ISBN 978-93-80761-88-6)
3. **Bose, Devika**, Lady Pacific. Published in You Moved My Life, edited by VineyKirpal, Sterling Publishers Pvt. Ltd. In 2001 (ISBN 978 81 207 6901 4)
4. **Chatterjee, A**, inDas, R. ed. (2015), *Women in Indian Writing in English*, "A Study of ManjuKapur's Difficult Daughters: Virmati, Ida and Shakuntala,"(Kolkata: Avenel Press)[pp 57-64] ISBN 978-93-80761-82-4
5. **Chatterjee, A**, inCarter, Melissa Miles. (2013), (ed.), *Joy Interrupted: An Anthology on Motherhood and Loss*, "Anirvan: The Deathless One", Kentucky: Fat Daddy's Farm Press. ISBN 9780985235604
6. **Chatterjee, A**, inDas, S. (2013), (ed) *Reading and Writing Difference: Gender and Literature*, "Absolute Trust in the Goodness of the Earth: An Eco-feminist Reading of Alice Walker's Poems" Kolkata: Pegasus, ISBN 978-93-80542-56-0.
7. **Chatterjee, A**, inBanerjee, B., Bakshi, K.(2012), (ed.s), *Studies in Indian Poetry in English*, "Toru Dutt", Kolkata: Booksway, Sec ed. ISBN 81-89293-57-5
8. **Chatterjee, A**, inNawale, A. (2012), (ed.), *Rhyming with Reasons: Critical Essays on Indian English Poetry*, 'ArunKolatkar's "An Old Woman": A Study in Angst,' New Delhi: Authors Press. ISBN97881921254-4-2
9. **Chatterjee, A**, inNawale, A. (2012), (ed.), *Critical Essays on Indian English Poetry and Drama, Texts and Contexts*, "An Analysis of the poetry of Toru Dutt with special reference to "Sita", New Delhi: Authors Press.
10. **Chatterjee (Das) , N.** inKar, A.(2015), (ed), *Contemporary Indian Diaspora: Literary and Cultural Representations*, "Contextualising The Lowland", New Delhi: Rawat Publications.
11. Banerjee, M, **Ghosh M.** and others, *Aalor Sarani Beye*(Kolkata: Bethune College Publications, 2011) ISBN 81-902458-3-X , pp 118-123

➤ **Conference Proceedings**

1. **Chatterjee A** inChakraborty, P.(2012), ed. *Agony of the Uprooted: A Reading of SaadatHasanManto's Short Stories on Partition, History in Literature-Literature As History*, Kolkata: Sarat Book House.
2. **Chatterjee, A.**, A Study of ManjuKapur's Difficult Daughters: Virmati, Ida and Shakuntala, *Women in Indian Writing in English*, Rumpa Das ed. (Kolkata: Avenel Press, 2015) [pp 57-64] ISBN 978-93-80761-82-4

Department: Geology

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Dasgupta, P;** [Dr. Prabir Dasgupta; Associate Professor and HOD]
2. **Rej, S. S;** [Siddhartha SankarRej, Associate Professor]
3. **Pal, S;** [Dr. Supratim Pal, Associate Professor]
4. **Chattopadhyay, P;** [Dr. Prabal Kumar Chattopadhyay; Assistant Professor]
5. **Samanta, P;** [Dr. PradipSamanta, Assistant Professor]
6. **Roy, P;** [Dr. Pinaki Roy, Assistant Professor]
7. **Saha, B;** [Bikash Saha, Assistant Professor]
8. **Goswami, P;** [PrithaGoswami, Assistant Professor]
9. **Sengupta, S;** [SharadeeSengupta, Assistant Professor]
10. **Chakraborti, D;** [DolaChakraborti, Assistant Professor]

➤ **Research articles/reviews**

1. Aloui, T., **Dasgupta, P.**, and Chaabani, F. 2012, Facies pattern of the SidiAich Formation: reconstruction of Barremian paleogeography of Central North Africa. *Journal of African Earth Sciences*, 71, 18-42. (Impact Factor: 1.403) (Citation: 8).
2. Banerjee M., Ray J., Adhikary N., Nandy S., Manikyamba C., Paul M., **Chakraborty D.**, Eslami A. 2016, Experimental Studies to Constrain Parental Magma of MalangtoliVolcanics from SinghbhumCraton of the Eastern Indian Shield, *Journal of Geological Society of India*, 88, 245-255.
3. Bardhan, S. Jana, S.K. and **Roy, P.**(2010), Sexual dimorphism and polymorphism in a Callovian*Phytycicas* (Ammonoidea) assemblage of Kutch, India, *Geobios*. 43, 269-281. (Impact factor: 0.868) (Citation: 1)
4. Bhattacharya, H.N., Bhattacharya, B. **Pal, S.**, & Roy, A. (2015). Late Archaeantidalites from western margin of Chitradurga Greenstone Belt, southern India. *Precambrian Research*, 257, 109-113.
5. Bose, P.K., Eriksson, P.G., Sarkar, S., Wright, D.T., **Samanta, P.**, Mukhopadhyay, S., (2012), Sedimentation patterns during the Precambrian: a unique record? *Marine and Petroleum Geology*, 33 (1), 34-68. (Impact Factor: 2.96) (Citation: 20)
6. Bose, P.K., Sarkar, S., Mukhopadhyay, S., **Saha, B.**, Eriksson, P.G. (2008), Precambrian basin-margin fan deposits: Mesoproterozoic Bagalkot Group, India. *Precambrian Research*, 162, 264-283. doi:10.1016/j.precamres.2007.07.022 (Impact factor: 36.280) (Citation: 18)
7. Bose, S., **Pal, S.** & Fukuoka, M. (2003), Pressure-temperature-fluid evolutionary history of orthopyroxene – bearing quartzofeldspathic and mafic granulites from northern parts of Eastern Ghats Belt, India: implications for Indo-Antarctic correlation; *Journal of Asian Earth Sciences*, 22, 81-100.
8. Chakrabarty, A., Mitchell, R.H., Ren, M., Saha, P.K., **Pal, S.**, Pruseth, K.L. and Sen, A.K. (2015), Magmatic, hydrothermal and subsolidus evolution of the agpaiticnephelinesyenites of the Sushina Hill Complex, India: implications for the metamorphism of peralkalinesyenites. *Mineralogical Magazine*, 80, 1161-1193 (Impact Factor: 2.21).
9. **Chattopadhyay, P. K.** and Sarkar, S. C. (1999) Sulphur isotope geothermometry from the high grade metamorphosed sulphide deposit at Mamandur, Tamilnadu. *Journal of Geological Society of India*, 53, 705-710.
10. **Chattopadhyay, P. K.** (1999) Zn-spinel in the metamorphosed Zn-Pb-Cu sulphide deposit at Mamandur, Southern India. *Mineralogical Magazine*, 63, 743-755 (Impact Factor: 2.21).
11. **Dasgupta, P.**, 1987, A new method for computation of roundness. *Indian Journal of Earth Sciences*, 14, 99-108..
12. **Dasgupta, P.**, 1995, A new model of inclinometer and its application in determination of attitude of foreset planes. *Journal of Sedimentary Research*, A65, 562-563. (Impact Factor: 1.320) (Citation: 4).
13. **Dasgupta, P.**, 1998, Recumbent flame structures in the Lower Gondwana rocks of the Jharia Basin, India – a plausible origin. *Sedimentary Geology*, 119, 253-361. (Impact Factor: 2.665) (Citation: 23).
14. **Dasgupta, P.**, 2002, Architecture and facies pattern of a sublacustrine fan, Jharia Basin, India. *Sedimentary Geology*, 148, 373-387. (Impact Factor: 2.665) (Citation: 31).
15. **Dasgupta, P.**, 2002, Determination of paleocurrent direction from oblique sections of trough cross-stratification – a precise approach. *Journal of Sedimentary Research*, 72, 217-219. (Impact Factor: 1.320) (Citation: 3).
16. **Dasgupta, P.**, 2003, Sediment gravity flow – the conceptual problems. *Earth-Science Reviews*, 62, 265-281. (Impact Factor: 7.885) (Citation: 92).
17. **Dasgupta, P.**, 2005, Facies pattern of the middle Permian Barren Measures Formation, Jharia Basin, India: the sedimentary response to basin tectonics. *Journal of Earth System Science*, 114, 287-302. (Impact Factor: 1.040) (Citation: 6).

18. **Dasgupta, P.**, 2006, Facies characteristics of Talchir Formation, Jharia Basin, India: implications for initiation of Gondwana sedimentation. *Sedimentary Geology*, 185, 59-78. (Impact Factor: 2.665) (Citation: 16).
19. **Dasgupta, P.**, 2008, Experimental decipherment of the soft-sediment deformation observed in the upper part of the Talchir Formation (Lower Permian), Jharia Basin, India. *Sedimentary Geology*, 205, 100-110. (Impact Factor: 2.665) (Citation: 13).
20. **Dasgupta, P.** and Bandyopadhyay, S., 2008, Carbonate eolianites of western Saurashtra, India: experimental decipherment of the depositional mechanisms. *Sedimentology*, 55, 1361-1374. (Impact Factor: 2.948) (Citation: 2).
21. **Dasgupta, P.** and Manna, P., 2011, Geometrical mechanism of inverse grading in grain-flow deposits: an experimental revelation. *Earth-Science Reviews*, 104, 186-198. DOI: 10.1016/j.earscirev.2010.10.002. (Impact Factor: 7.885) (Citation: 14).
22. **Dasgupta, P.** and Sahoo, R., 2007, Facies characteristics of the basal part of the Talchir Formation, Talchir Basin, India — depositional history revisited. *Journal of Earth System Science*, 116, 15-20. (Impact Factor: 1.040) (Citation: 1).
23. Dasgupta, S. & **Pal, S.** (2005), Origin of grandite garnet in calc - silicate granulites : mineral-fluid equilibria and petrogenetic grids. *Journal of Petrology*, 45, 1045-1076
24. Dasgupta, S., Sengupta, P., **Pal, S.** & Fukuoka, M. (1999), Evidence of superposed metamorphism from the Gokavaram area, Eastern Ghats Belt, and its relation with the Kemp Land Coast, East Antarctica. *Gondwana Research*, 2, 227-236.
25. Mallick, S., Bardhan, S., Das, S. S., Paul, S. and **Goswami, P.** (2014), Naticid Drilling Predation on Gastropod Assemblages across the K-T boundary in Rajahmundry, India: New Light on Escalation Hypothesis. *PalaeogeographyPalaeoclimatologyPalaeoecology*, 411: 216-228.
26. Mukhopadhyay, S., Choudhuri, A., **Samanta, P.**, Sarkar, S., Bose, P.K., (2014), Were the hydraulic parameters of Precambrian rivers different? *Journal of Asian Earth Sciences*, 91, 289-297. (Impact Factor: 3.2) (Citation: 2)
27. **Pal, S.** & Bhattacharya, H.N. (2014), Geochemistry of carbonate veins in volcanic suites of late ArcheanChitradurga Greenstone Belt, Karnataka, India – its implication on genesis of hydrothermal fluids. *Indian Journal of Geosciences*, 68/4, 359-376.
28. **Roy, P.**(2014), Callovian-Oxfordianhecticoceratins from western India: Their biostratigraphic and palaeobiogeographic implications. *Journal of Palaeogeography*, 3 (2), 174-206.
29. **Roy, P.** and Bardhan, S. (2007), Sexual dimorphism in *Hecticocerasgiganteumspath* (ammonoidea) from the Callovian (Middle Jurassic) of Kutch India, *N. Jb. Geol. Paläont.*245/3, 263-272.(Impact factor: 0.541) (Citation: 1)
30. **Roy, P.** Bardhan, S. Mitra, A. and Jana, S.K. (2007), New Bathonian (Middle Jurassic) ammonite assemblage from Kutch, India. *Journal of Asian Earth Sciences* 30, 629-651. (Impact factor: 2.74) (Citation: 13)
31. Saha, A. K., Sarkar, S. S., **Rej, S. S.**, 1987, Petrochemical evolution of the Bihar mica belt Granites, Eastern India. *Indian Journal of Earth Science*, 14, 22-45
32. **Samanta, P.**,Mukhopadhyay, S., Eriksson, P.G., (2016), Forced regressive wedge in the MesoproterozoicKoldaha Shale, Vindhyan basin, Son valley, central India, *Marine and Petroleum Geology*, 71, 329-343 (Impact Factor: 2.64)
33. **Samanta, P.**,Mukhopadhyay, S., Mondal, A., Sarkar, S., (2011), Microbial mat structures in profile: the Neoproterozoic Sonia sandstone, Rajasthan, India. *Journal of Asian Earth Sciences*, 40 (2), 542-549. (Impact Factor: 3.2) (Citation: 11)
34. **Samanta, P.**,Mukhopadhyay, S., Sarkar, S., Eriksson, P.G., Neoproterozoic substrate condition vis-à-vis microbial mat structure and its implications: Sonia Sandstone, Rajasthan, India. *Journal of Asian Earth Science*, 106, 186-196. (Impact Factor: 3.2) (Citation: 1)
35. Sarkar, S., Banerjee, S., **Samanta, P.**, Chakraborty, N., Chakraborty, P.P., Singh, A.K., (2014), Microbial mat records in siliciclastic rocks: Examples from Four Indian Proterozoic basins and their modern equivalents in Gulf of Cambay, *Journal of Asian Earth Science*, 91, 362-377. (Impact Factor: 3.2) (Citation: 7)

36. Sarkar, S., Banerjee, S., **Samanta, P.**, Jeevankumar, S., (2006), Microbial mat-induced sedimentary structures in siliciclastic sediments: examples from the 1.6 GaChorhat Sandstone, VindhyanSupergroup, MP, India. *Journal of Earth System Science*, 115 (1), 49-60. (Impact Factor: 0.9) (Citation: 48)
37. Sarkar, S., Bose, P.K., **Samanta, P.**, Sengupta, P., (2008), Microbial mat mediated structures in the Ediacaran Sonia Sandstone, Rajasthan, India, and their implications for Proterozoic sedimentation. *Precambrian Research*, 162 (1), 248-263. (Impact Factor: 5.7), (Citation: 48)
38. Sarkar, S., **Samanta, P.**, Altermann, W., (2011), Setulfs, modern and ancient: Formative mechanism, preservation bias and palaeoenvironmental implications. *Sedimentary Geology*, 238 (1), 71-78. (Impact Factor: 2.7) (Citation: 6)
39. Sarkar, S., **Samanta, P.**, Mukhopadhyay, S., Bose, P.K., (2012), Stratigraphic architecture of the Sonia Fluvial interval, India in its Precambrian context, *Precambrian Research*, 214, 210-226. (Impact Factor: 5.7) (Citation: 10)
40. Sengupta, P., Sanyal, S., Dasgupta, S., Fukuoka, M., Ehl, J. & **Pal, S.** (1997), Controls of mineral reactions in high-grade garnet-wollastonite-scapolite-bearing calcsilicate rocks: an example from Anakapalle, Eastern Ghats, India. *Journal of Metamorphic Geology*, 15, 551-564.
41. **Sengupta, S.**, Sengupta, D.P. and Bandyopadhyay, S. (2015), Stratigraphy of the Upper Gondwana Formations around sohagpur, Western Part of the SatpuraGondwana Basin, Central India. *Journal of the Geological Society of India*. (Accepted).
42. Shome, S. and **Roy, P.** (2006), New record of *Pterolytoceras* Spath, 1927 from the Upper Jurassic (Late Tithonian) of Kutch, western India and its palaeobiogeographic significance, Indian Minerals, *Geological Survey of India*. 59 (1/2): 57-64. (Citation: 3)
43. Shome, S. De, S. **Roy, P.** Das, S.S. (2004), Ammonites as Biological Stopwatch and Biogeographical Black Box - a Case Study from the Jurassic-Cretaceous Boundary (150 Ma) of Kutch, Gujarat. *Current Science*, 86 (1), 197-202. (Impact factor: 0.926) (Citation: 07)

➤ **Book Chapters/articles in Edited Volume**

1. Banerjee, S., Sarkar, S., Eriksson, P.G., **Samanta, P.** (2010), Microbially related structures in siliciclastic resembling Ediacaran fossils: Examples from India, modern and ancient. In: Seckbach, J. and Oren A. (Editors) *Microbial Mats: Modern and Ancient Microorganisms in Stratified Systems*, pp. 109-129, Springer-Verlag. (Citation: 14)
2. **Dasgupta, P.**, 2016, Reconstructions of paleohydraulic conditions from primary sedimentary structures: Problems and implications for sediment provenance. In: Mazumder, R. (Editor), *Sediment Provenance: Influences on Compositional Change from Source to Sink*, pp. 63-84, Elsevier Science, Amsterdam, The Netherlands.
3. Eriksson, P.G., S., Sarkar, Banerjee, S., Porada, H., Catuneanu, O., Bose, P.K., **Samanta, P.** (2010), Palaeoenvironmental context of microbial mat related structures in siliciclastic rocks: Examples from Proterozoics of India and South Africa. In: Seckbach, J. and Oren A. (Editors) *Microbial Mats: Modern and Ancient Microorganisms in Stratified Systems*, pp. 71-108, Springer-Verlag. (Citation: 11)
4. **Pal, S.**, Bose, S. (1997), Mineral reactions and geothermobarometry in a suite of granulite facies rocks from Paderu, Eastern Ghats Granulite Belt: A reappraisal of the P-T trajectories. In: Sen, S.K. (Ed.) *Eastern Ghats granulites, Special volume* Proceedings Earth and Planetary Science, Indian Academy of Sciences, 106, 77-89.
5. Shome, S. Bardhan, S., **Roy, P.**, (2007), Paleobiogeography of Kutch ammonites during the Latest Jurassic (Tithonian) and a global overview, p. 375-395. In: Landman, N.H., Davis, R.A. and Mapes, R.H. (eds.) *Cephalopod Present and Past: New Insight and Fresh Perspectives*, pp.7, Springer-Verlag.

Department: History

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Jana, N**; [Nandini Jana; Assistant Professor and HOD]
2. **Bandyopadhyay, S**; [Saubhik Bandyopadhyay; Assistant Professor]
3. **Bose, A**; [Dr. Arpita Bose, Assistant Professor]
4. **Mukherjee, K**; [Kamalica Mukherjee, Assistant Professor]
5. **Dey, M**; [Mitali Dey, Part time faculty]

➤ **Research articles/reviews**

1. **Bose, A**, 'The Kuomintang in India with special reference to Calcutta (1900-1962)' **In:** *Studies in History*, Vol. 32, August, 2016, pp. 257-269.
2. **Bose, A**, 'History of the Chinese in Calcutta—An Overview (1781-1950)' **In:** *Asian Studies*, Vol. XXXI No. 2, 2013, Netaji Institute of Asian Studies, Kolkata, ISSN 0970-7301, pp 86-91.
3. **Bose, A**, 'Kolkata's Early Chinese Community and Their Economic Contributions' **In:** *South Asia Research*, Vol.33 No-2, 2013, Sage, SOAS, London, ISSN0262-7280, pp 163-176.
4. **Bose, A**, 'The Revolt of 1857 and the Role of Wahabees and Farazees' **In:** *Islam and Muslim Societies: A Social Science Journal*, Vol.6 No-1, 2013, ISSN 0973-2802, pp. 100-109.
5. **Bose, A**, 'Criminal Activities of the Overseas Chinese', **In:** *Bengal Past and Present*, Vol. 127, 2008, ISBN0005-8, pp. 93-104.
6. **Dey, M**, 'Forest management and the role of the British officials' **In:** *Communique, An Academic Journal of Durgapur Government College*, Vol. 9, No.1 , Durgapur, March, 2015, ISSN 0973-8584, pp. 21-27.
7. **Dey, M**, 'Cry for Justice: The Saga of Bhanari Devi' **In:** *Communique, An Academic Journal of Durgapur Government College*, Vol. 8, No. 1, Durgapur, March, 2014, ISSN 0973-8584, pp. 97-101.
8. **Dey, M**, 'Rabindranath Tagore as a Political Thinker' **In:** *Communique, An Academic Journal of Durgapur Government College*, Vol. 5, No.1, Durgapur, March, 2011, ISSN 0973-8584, pp. 41-44.
9. **Jana, N**, 'The Memoir of Dr. Haimabati Sen: A Journey from Utter Suppression to Enlightenment', **In:** *Communique, An Academic Journal of Durgapur Government College*, Vol. 8, No. 1, Durgapur, March, 2014, ISSN 0973-8584, pp. 63-66.
10. **Jana, N**, 'Lady AbalaBasu-r Sardha-shatabarsha: PhireDekha', **In:** *Newsletter of Women's Studies Centre, Lady Brabourne College*, Vol. 5, Kolkata, March 2014, ISSN 2395-4299, pp. 63-65.
11. **Jana, N**, 'The Brahmo Reform Endeavour and the Question of Stri-Swadhinata' **In:** *Aureole-An Academic Journal*, Vol.3, No.1, Barasat, June, 2011, ISSN 0976-9625, pp. 41- 53.
12. **Mukherjee, K**, 'patMuluk O BaishnabdharmerBibartan' **In:** *BartaAshalata*, Vol.5, No.2, Hooghly, April, 2015, ISSN 2229-6271, pp. 29-31.

➤ **Occasional papers (Single author)**

1. **Bandyopadhyay, S**, 'Agrarian History of Colonial India' **In:** Course Module for MA Part II, Burdwan University, Directorate of Distance Education, 2008, pp. 1-34.
2. **Bandyopadhyay, S**, 'Commercialization of Agriculture' **In:** *ibid*, pp. 35-68.
3. **Bandyopadhyay, S**, 'Major Agricultural Trends' (Module No. 30) **In:** Course Module for MA Part I, Paper III, Rabindra Bharati University, Directorate of Distance Education, 2008, pp. 52-67.
4. **Bandyopadhyay, S**, 'Price Movement and the Nature of Peasant Response to Price Change' (Module no. 32) **In:** *ibid*, pp. 78-87.
5. **Bandyopadhyay, S**, 'Japaner Agrasan, Manchuria Sangkat, Abyssinio Juddha, Spainer Grihajuddha, Dwitiya Bishwajuddher Pathe' [The Japanese Aggression, Manchurian Crisis, Abyssinian War, Spanish Civil War, Road to the Second World War], **In:** *ibid*, Unit 4, pp. 65-109.

6. **Bandyopadhyay, S**, 'Nazi Utthan O Fascibader Utthan' [The Rise of Nazism and Fascism], In: NSOU Course EIH Module 30, Unit 3, Kolkata: NSOU, first pub. 2002, pp. 49-64.

➤ Occasional papers (translated articles)

1. **Bandyopadhyay, S**, 'Itihas Niye Ki Prashna Tola Jaay?' In: *Itihas Anusandhan XXVIII*, edited by Manju Chattopadhyay, Kolkata: Paschim banga Itihas Samsad, 2014, (Tr. of Narayani Gupta, 'What do we ask of History?'), ISBN: 978-81-910874-4-4, pp. 1-9.
2. **Bandyopadhyay, S**, 'Bharat O Bharat Mahasagar: Purono Prasanga, Notun Prekshit' In: *Itihaser Upakule, op cit*, (Tr. of Lakshmi Subrahmanian, *India and the Indian Ocean: Old Concerns, New Perspectives*, pp. 241-257.
3. **Bandyopadhyay, S**, 'Hindu Sattaay Gomangso', Kolkata: Paschim banga Itihas Samsad, 2006, 2015 (Tr. of D N Jha, *Beef in Hindu Identity*, Professor Susovan Chandra Sarkar Memorial Lecture, 2006).
4. **Bandyopadhyay, S**, 'Saptadash Sataker Dakshin-purba Asiar Prabasi Bharatiya Janagoshthi', Kolkata, 2005 In: *Itihaser Upakule*, edited by Uttara Chakravorty and Subhas Ranjan Chakravorty, Kolkata: Paschim banga Itihas Samsad, 2011, ISBN: 978-81-910874-0-6 (Tr. Surendra Gopal, *Indian Diaspora in Southeast Asia during the Seventeenth Century*), pp. 118-151.
5. **Bandyopadhyay, S**, 'Mughal Bharate Bastra Prajukti' In: *Itihas Anusandhan XVIII*, edited by Aniruddha Ray, Kolkata: Paschim banga Itihas Samsad, 2004 (Tr. of IshratAlam, 'Textile Technology in Mughal India'), ISBN: 81-7102-115-8, pp. 51-85.
6. **Bandyopadhyay, S**, 'Prak-Oupanibeshik Bangla: Mughal Juger Ekti Adhyayan' In: *Itihas Anusandhan XV*, edited by Goutam Chattopadhyay, Kolkata: Paschim banga Itihas Samsad, 2002 (Tr. of Shireen Moosvi, 'Pre-colonial Bengal: A Study of Mughal Rule'), pp. 26-42.
7. **Bandyopadhyay, S**, 'Mughal Bharate Nari Siksha' In: *Itihase Nari: Siksha*, edited by Suparna Guptoo, Kolkata: Paschim banga Itihas Samsad, 2001 (Tr. of Shireen Moosvi, 'Women's Education in Mughal India', jointly with Jahanara Raychaudhuri), pp.36-41.

➤ Books

1. **Bandyopadhyay, S**, Translated, compiled and edited, *Sampradayikata O Itihas Rachana* [Communalism and Writing of History], Kolkata: Setu Prakashani, 2016, ISBN: 978-93-80677-89-7 (Translation of articles by R S Sharma, M Athar Ali, D N Jha and SurajBhan).
2. **Bandyopadhyay, S**, *Madhya Juger Bharat: Dwitiya Khanda* (Translation of Satish Chandra, *History of Medieval India, Vol. II*), Kolkata, WB State Book Board, 2014, ISBN: 978-81-247-0704-1.
3. **Bandyopadhyay, S**, Compiler and editor, *Banglay Swadeshi Gana Jagaran* [The Swadeshi Upsurge in Bengal], Kolkata: PaschimbangaliitihashSamsad, 2008.
4. **Bandyopadhyay, S**, Editor, *UGC State Level Seminar Volume*, Chandernagore College, 2008.
5. **Bandyopadhyay, S**, *Madhyajuger Bharater Arthanaitik Itihas: Ekti Sameeksha* [Economic History of Medieval India: A Survey], Kolkata: Progressive Publishers, 2004, 2009, ISBN: 81-8064-154-4 (Translation of Irfan Habib, *Economic History of Medieval India: A Survey*).
6. **Bandyopadhyay, S**, Associate Editor, *Itihaser Upakule* [Collection of Professor Ashin Dasgupta Memorial Lectures, 1999-2010], Kolkata: Paschim banga Itihas Samsad, 2011, ISBN: 978-81-910874-0-6.
7. **Bose, A**, *Udbastu O Punar Basati Andolan Samasamayik Patra Patrikay*, Kolkata: Gangchil, 2013, ISBN978-93-81346-20-4.

➤ Book Chapters/Articles in Edited Volume

1. **Bandyopadhyay, S**, 'Itihaser Bodh', In: *Uccamadhyamik Itihas (Ekadash Sreni)*, Chapter I, Kolkata, WB State Book Board, 2014, ISBN: 978-81-247-0726-5, pp. 1-25.

2. **Bandyopadhyay, S**, 'Shasan Pranalir Bibartan: Prashasan O Pratishtaner Dharana', In: *Uccamadhyamik Itihas (Ekadash Sreni)*, Chapter III, Kolkata, WB State Book Board, 2014, ISBN: 978-81-247-0726-5, pp. 59-109.
3. **Bose, A**, 'Capital Dhaka: A Comparison Between the Mughal Period and Colonial Rule' In: *400 Years of Capital Dhaka and Beyond*, Vol. 2, 2012, Asiatic Society of Bangladesh, Dhaka, ISBN 978-984-512-0128-8, pp. 77-84.
4. **Bose, A**, 'Mughal o Upanebashik Dhakar Tulonamulak Alochona' (in Bengali) In: *Rajdhani Dhakar Charsho Bochar*, Vol. 2, 2012, Asiatic Society of Bangladesh, Dhaka, ISBN 978-984-512-015, pp. 73-80.
5. **Bose, A**, 'Kolkatar China Sampradayer Itihas Rachanar Upadangata Baishishtya', In: Saumitra mani (ed), *Anchalik Itihas O Tar Upadan*, Palta: History Department, P N Das College, 2012, pp. 98 ff.
6. **Dey, M**, 'The Marriage Act of 1955: Divorce and Its Consequences for the Women of Bengal' in ChandanBasu, BarnanaGuhaThakurata (Banerjee) and Manosanta Biswas (eds), *Gender, Culture, Politics: Bengal in the 20th Century – Open Distance Initiative*, Kolkata: School of Social Sciences, Netaji Subhas Open University, 2016, pp. 330-339.
7. **Jana, N**, 'Household and Selfhood in Colonial Bengal: Contextualizing Saratkumari Deb's *Amar Sansar*', IN: Aparna Bandyopadhyay and Krishna Dasgupta (Editors), *The 'Other' Universe: An Anthology of Women's Studies*, Kolkata, February 2015, ISBN 978-93-80677-73-6, pp. 177-186.

➤ Conference Proceedings

1. **Bandyopadhyay, S**, 'Delhi between Two Empires: Urban Transition of Delhi seen through Bengali Travel Accounts, 1856-1905' In: *Proceedings of Indian History Congress*, NewDelhi, 2015, ISSN: 2249-1937, pp. 639-646.
2. **Bandyopadhyay, S**, 'Where East Meets West: Two Bengali Travelogues on Colonial Bombay' In: *Proceedings of the Indian History Congress* In: *Proceedings of the Indian History Congress*, NewDelhi, 2013, ISSN: 2249-1937, pp. 846-854.
3. **Bandyopadhyay, S**, 'A View from Bengal: Depiction of Indigenous People in a Nineteenth Century Travel Narrative' In: *Proceedings of the Indian History Congress*, NewDelhi, 2012, ISSN: 2249-1937, pp. 759-768.
4. **Bandyopadhyay, S**, 'Recent Trends in the Histories of Bengali Travel Narratives' In: *History in Literature –Literature as History*, edited by PriyadarseeChakrabarti, Kolkata: Levant Books, ISBN: 978-93-80663-50-0, 2012, pp. 84-101.
5. **Dey, M**, 'Rukmabai O Phulmani: Duti Mamlar Prekshite British Ain O Samaj Samskar' In: Manju Chattopadhyay (Editor), *Itihas Anusandhan* 24, Kolkata, 2010, pp.100-105.
6. **Jana, N**, 'Unish Shatake Brahmo Mahilader Dharmiya Chetana: Ekti Alochana' In: Ratnabali Chattopadhyay and Kaushik Saha (Editor), *Kathakatha 1: Banglar Samaj O Sanskriti*, Kolkata, 2015, ISBN: 978-93-80677-82-8, pp. 156-167.
7. **Jana, N** 'Griher Baire Griha: Keshub Chunder Sener Bharatashram O Brahmoder Ashram Prachesta' In: Manju Chattopadhyay (Editor), *Itihas Anusandhan* 29, Kolkata, 2015, ISBN: 978-81-910874-5-1, pp. 546-553.
8. **Jana, N**, 'Oupanibeshik Banglay Garhasthyer Galpo: Saratkumari Deber Smritikathar Aloke-e' In: Manju Chattopadhyay (Editor), *Itihas Anusandhan* 28, Kolkata, 2014, ISBN: 978-81-910874-4-4, pp. 935-943.
9. **Jana, N**, 'Sarat kumari and Sudakshina's World: Freedom from Confinement?' In: *Proceedings of the Indian History Congress*, Cuttack, 2013, ISSN: 2249-1937, pp. 967-974.
10. **Jana, N**, 'Brahmo Samaskarak Shibchandra Deber Samaskarer Aloke Narimuktir Proshno' In: Manju Chattopadhyay (Editor), *Itihas Anusandhan* 26, Kolkata, 2012, ISBN: 978-81-910874-2-0, pp. 980-986.
11. **Jana, N** 'Sushilar Upakhyan: Sekale O Ekale' In: Manju Chattopadhyay (Editor), *Itihas Anusandhan* 25, Kolkata, January 2011, ISBN: 978-81-910874-1-3, pp. 792-798.
12. **Jana, N** 'Naitikatabodh O Oupanibeshik Juger Kolkatar Patita' In: Aniruddha Ray (Editor), *ItihasAnusandhan* 21, Kolkata, January 2007, pp. 861.

Department: Mathematics

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Samanta, A;** [Amitava Samanta; Associate Professor and HOD]
2. **Mondal P;** [Pratikhan Mandal, Assistant Professor]

➤ **Research articles/reviews**

1. Ali, Sk. J., **Mondal, P.**(2013/14), Riemann and Riemann-Type integration in Banach spaces, Real Analysis Exchange, Volume 39, No. 2 , pp. 403-440.
2. **Samanta, A (1987)**, Fixed point Theorems for set valued mappings, Bull. Cal. Math. Soc., Vol. 79, pp. 207-214, 1987.

➤ **Books**

1. Chaudhuri A.K., **Mondal P.**,(2012) Mathematical Analysis (Real, Complex and Metric spaces), New Central Book Agency (P) Ltd., ,ISBN 978-81-7381-780-9, 681p.

Department: Philosophy

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Kanjilal, B;** [Dr. Bhumika Kanjilal; Assistant Professor and HOD]

➤ **Research articles/reviews**

1. **Kanjilal, B,** (August-2008)- Stuctural Universal. Academic Jorurnal of Hooghly Mohosin College; Vol-3, No- 2, pp-37-42, ISSN: 0973-6212
2. **Kanjilal, B,** Educational Implications of the Concept Samadhi Vol-4Issue-2-April-2016-June2016, Pg-283-289 *International journal of Social Science and Humanities Research (IJSSHR)* ISSN 2348-3156(print) ISSN 2348-3164(online).

➤ **Book Chapters/articles in Edited Volume**

1. **Kanjilal, B,** (2007), Shiksha Shikahak Shikhatri: Krishnamurtir Alokpat, In: Shiksha Kseatre Parashporic Samparka, (Editors), Prof. Madhumita Chattopadhyya and Prof. Indani Sanyal, Jadavpur University Anjali Publishers, pp. 72-78. ISBN: 81-89620-22-3

➤ **Conference Proceedings**

1. **Kanjilal, B,** (2016)-Conflicts Relating to Conversion of Religion: With Special Reference to Evangelism and Proselytization. *One Day National Conference on Contradiction, Conflict and Continuity: Their Significance in Contemporary Society*, Organized by NHIT- Durgapur.

Department: Physics

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Kumar, K;** [Kripasindhu Kumar; Assistant Professor and HOD]
2. **Ghosh S;** [Dr. Swapan Kr. Ghosh, Assistant Professor]
3. **Mondal H;** [Hrishikesh Mondal, Assistant Professor]
4. **Das, S. K.;** [Sudeep Kr. Das, Assistant Professor]
5. **Bhakta N;** [Nupur Bhakta, Assistant Professor]

➤ **Research Articles/Reviews**

1. Bandyopadhyay A., **Bhakta N**, Sutradhar S, Sarkar B. J. , Deb A. K., Kobayashi S, Yoshimurad. K and Chakrabarti P. K. ; "Microstructure investigation, optical properties and magnetic phase transition of Tm^{3+} substituted nano-crystalline ZnO ($Zn_{0.95}Tm_{0.05}O$)"; Royal Society of Chemistry Advances; 2016, 6, 101818-101826

2. Choudhury A, Talukdar B and **Ghosh S** (2009) : *On the Super Symmetric nonlinear evolution equations, Nonlinear Dynamics* 58, 249
3. Das U, S. **Ghosh S**, Sarkar P and Talukdar B (2005): *Quantization of Dissipative Systems with Friction Linear in Velocity, Physica Scripta* 71, 235
4. **Das S. K.**, Mitra S., Banerjee D.; "Verification of University Class of Different Critical Exponents for Competitive Growth Model in 1+1 Dimension"; *International Journal of Research Publications In Engineering And Technology* [ISSN:2454-7875]; Volume 2, Issue 10, October 2016, Page: 8-13. UOI : <http://u-o-i.org/1.01/ijrpet/58443514>
5. **Ghosh S**, Das U and Talukdar B(2005): *Inverse Variational Problem for nonlinear evolution equations, Int. Jour. Theo. Phys.* 44, 363
6. **Ghosh S**, Gupta S. K. and Chatterjee P: *Exact Solution of the Cylindrical Korteweg-de Vries equation for dust ion acoustic wave in unmagnetised plasma, Phys. Scr.* 2015, 90, 125601, DOI: 10.1088/0031-8949/90/12/125601
7. **Ghosh S**, Talukdar B and Chakraborty S (2003): *Matrix Factorization method for the Hamiltonian structure of integrable systems, Pramana Jour. Phys.* 61, 161
8. **Ghosh S**, Talukdar B and Shamanna J (2003): *On the Bi-Hamiltonian Structure of the KdV hierarchy, Czech. Jour. Phys.* 53, 425
9. **Mondal H** and **Mandal M. K.**, "Wide Range Frequency Synthesizer using Variable Length Ring Oscillator", *Elixir Elec. Engg.* 70 (2014) 23799-23802. ISSN 2229-712x
10. Roy K, **Ghosh S.**, and Chatterjee P : *Two solitons and three solitons interaction of electron acoustic waves in quantum plasma, Pramana*, 2015, DOI 10.1007/s12043-015-1097-2
11. Talukdar B, **Ghosh S** and Shamanna J(2004): *Canonical Structure of the coupled Korteweg-de Vries equations, Can. Jour. Phys.* 82, 1
12. Talukdar B, **Ghosh S**, and Das U (2005): *Inverse Variational Problem and canonical structure of Burgers equations, J. Math. Phys.* 46, 1
13. Talukdar B, **Ghosh S**, Saha A and Pal D (2013): *Solutions of the coupled Higgs field equations, Phys. Rev. E* **88**, 015201
14. Talukdar B, **Ghosh S**, Shamanna J and Sarkar P (2002): *Inverse Problem of the Variational Calculus for higher KdV Equations, Eur. Phys. Jour. D* 21, 105
15. Talukdar B, Shamanna J and **Ghosh S** (2003): *Canonical Structure of evolution equations with non-linear dispersive terms, Pramana Jour. Phys.* 61, 99

➤ **Book Chapters/articles in Edited Volume**

1. **Ghosh S**, (2014), Nonlinear Dynamics and its Applications, Chapter- A Brief Introduction to Solitons, Book Center, Auroma Market, Santiniketan-731235, 2014, ISBN: 978-81-921612-6-6

➤ **Conference Proceedings**

1. Bandyopadhyay A, **Bhakta. N**, Chakrabarti. P. K. ; National Thematic Workshop on 'RECENT ADVANCES IN MATERIALS SCIENCES' Organized by UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH, Kolkata Centre & Department of Physics, The University of Burdwan, March 8-9,2016.
2. **Das, S. K.**, "Determination of Different Critical Exponents for Competitive Growth Model in 1+1 Dimension"; National Seminar on "Recent Advances in Materials Science (RAMS 2016)"; Ramakrishna Mission Vidyamandira, Belur Math, Howrah; March 2016
3. **Ghosh S**, Proceedings of International Conference on Nonlinear Dynamics, Chapter- Factorization method for nonlinear evolution equations, Springer, 2016
4. **Kumar, K.** , Bimal, S. N. , Paul, S. K. (2008), Effect of parasitic capacitance on the performance of CMRR in a current sensing instrumentation Amplifier, NCEEERE 2008, SMIT, SIKKIM.

5. Kumar, K. , Bimal, S. N. , Paul, S. K. (2009), Combined effect of Cp and Cn on the performance of CMRR in a current sensing instrumentation Amplifier; National Seminar On Recent Trends In Emerging Frontiers Of Physical Sciences (RTEFPS), NOVEMBER 02-03, 2009, DHANBAD.
6. Mandal M. K. and Mondal H, "Design of Variable Length Ring Oscillator for Clock Synthesis", *International conf. ItSIP*, Mumbai, pp. 271-275, 18-19 October 2013.

Department: Physical Education

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. Karmakar, S; [Saumitra Karmakar; Assistant Professor and HOD]
2. Mallick, N; [Dr. Nazrul Islam Mallick, Assistant Professor]

➤ **Research articles/reviews**

1. Karmakar, S.,Mallick.I.N., (2016), Effects of Yoga in Prevention of Life Style Disorder Disease Like Hypertension, Trailing The Footprints of Nutrition and Wellness, ISBN: 978-81-88904-88-4, 242p.
2. Mallick,N.(2013), Effects of Harness running, Sand running, Weight-Jacket running and Weight training on the performance of agility among the school going soccer players, IOSR Journal of Humanities and Social Science, Volume-X, Issue-X, e-ISSN:2279-0837,P-ISSN:2279-0845.
3. Mallick,N.(2013), Effects of Harness running, Sand running, Weight-Jacket running and Weight training on the performance of dribbling and Kickling among the school going soccer players, IOSR Journal of Humanities and Social Science, IOSR-JSPE, Volume-1, Issue-2, , e-ISSN:2347-6745,P-ISSN:2347-6737.
4. Mallick,N.(2012), Effects of Harness running, Sand running, Weight-Jacket running and Weight training on the performance of speed among the school going soccer players, IOSR Journal of Humanities and Social Science, Indian Journal of Physical Education sports medicine and exercise science, Volume-11, Issue-2, ISSN:0976-1101.
5. Mallick,N.(2012), Effects of Plyometrics, training and weight training on selected motor ability components among university male students, IJOART, Volume-1, Issue-6, ISSN:2278-7763.
6. Mallick.I.N., (2015), Comprative study of Agility of Flexibility between Kho-Kho and Basketball.
7. Mallick,N.(2012), Effects of polymeric training and weight training on selected motor ability components among university male students .IJOARTVOLUME -1 ISSUE-6, ISSN:2278-7763.
8. Mondal, A., Karmakar, S.,(2016), Kinematic Analysis of Front Foot Off- Drive At Execution Phase In Cricket, Global Journal For Research Analysis ISSN No,:2277-8160(Impact factor:3.62)

➤ **Books**

1. Basu, D.,Karmakar,S. and Roy, S. (2015), Higher Secondary Health And Physical Education, Kolkata, Institute Of Educational Research and Evaluation,Eds-II; 240p.
2. Basu, D.,Karmakar,S. and Roy, S. (2014),Health And Physical Education for Class VIII, Kolkata,W.B.S.E.B, 62p.
3. Basu, D.,Karmakar,S. and Roy, S. (2014),Health And Physical Education, Practical Paper for Class VIII, Kolkata, W.B.S.E.B, 136p.
4. Basu, D.,Karmakar,S. and Roy, S. (2014),Health And Physical Education for Class VII, Kolkata, W.B.S.E.B, 72p.
5. Basu, D.,Karmakar,S. and Roy, S. (2014),Health And Physical Education,Practical Paper for Class VII, Kolkata, W.B.S.E.B, 124p.
6. Basu, D.,Karmakar,S. and Roy, S. (2014),Health And Physical Education for Class VI, Kolkata, W.B.S.E.B, 52p.

7. Basu, D., Sinha, S., **Karmakar, S.** and Roy, S. (2014), Health And Physical Education for Class VII, Kolkata, W.B.S.E.B, 58p.
8. Basu, D., **Karmakar, S.** and Roy, S. (2014), Health And Physical Education, Practical Paper for Class VI, Kolkata, W.B.S.E.B, 112p.

Department: Political Science

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Mukhopadhyay, G;** [Gargi Mukhopadhyay; Associate Professor and HOD]
2. **Barman, N;** [Nabamita Barman, Assistant Professor]

➤ **Research articles/reviews**

1. **Barman, N.** (2012), The State of Indian Democracy – World's largest and succeeded one, A paradox: A proof in favour of S.C.Bose's prescience. International Proceedings of Economics Development and Research, doi:10.7763/IPEDR.2012V54.36.
2. **Barman, N.** (2016), Empowerment: Why "women" Precedes the term—A Conceptual Elucidation, Resonance National journal of Value Education, True Care Research and Development, ISSN:2320-7116.
3. **Mukhopadhyay, G.** (2008), BharatiyoRajnititeJatByabastharPrabhab. Departmental journal of Barasat Government College, Anweshan 4th Edition.
4. **Mukhopadhyay, G.** (2012), Electoral Reforms in India .Communique : An Academic journal of Durgapur Government College, ISSN : 0973-8584.
5. **Mukhopadhyay, G.** (2013), A Look through India's Look East Policy.Communique : An Academic journal of Durgapur Government College, ISSN: 0973-8584.
6. **Mukhopadhyay, G.** (2014), Discrimination and Violence: The Toughest Challenge to Women Empowerment in India.Communique : An Academic journal of Durgapur Government College, ISSN no: 0973-8584. ,ISSN : 0973-8584.
7. **Mukhopadhyay, G.** (2015), Major Trauma Disorders among Victims of Terrorism .Communique : An Academic journal of Durgapur Government College, ISSN : 0973-8584.
8. **Mukhopadhyay, G.** (2014), India –lanka Relations : Re-evaluation Required . Inquest (A Journal of Social science and humanities, ISSN : 2349-5452.
9. **Mukhopadhyay, G.** (2014), Development of Human Rights Discourse under the United Nations .Manan (An academic journal of ABSGCTA , ISSN :2348-3849.

➤ **Book Chapters in Edited Volumes**

1. **Barman, N.** (2015), VivekanaderBaaniBinyaseShilperNatunRuper Prakash. In: Bhattacharya, P. (Editors), *Bishay O shallirAlokeGadyaShilpiVivekanada*. Sangbedan, Malda, pp.80-85. ISBN :978-81-928049-6-5.
2. **Mukhopadhyay, G.** (2010), Globalization and Terrorism. In: Pramanick, S.K., Ganguly, R. (Editors), *Globalization In India: New Frontiers and Emerging Challenges*. PHI Learning Private Limited, New Delhi, pp.404-417.
3. **Mukhopadhyay, G.** (2007), Ecology in Hinduism and Islam. In: Davis, G., ValanArasu, J.G, and others (Editors), *Ecological Spirituality:Cross Cultural Perspective*. Serials Publications, New Delhi, pp.102-106.

Department: Sanskrit

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Dey, D;** [Dr. Debamitra Dey; Assistant Professor and HOD]
2. **Dey, S;** [Sudeshna Dey, Assistant Professor]
3. **Bhakat, S;** [Dr. Sudipta Bhakat, Assistant Professor]

➤ **Research articles/reviews**

1. **Bhakat, S**, "Biswayane Chaturveda" SANDHAN" (A referred researched Journal on human sciences) ISSN – 2349-0136, 2016 (in press).
2. **Bhakat, S** "An Overview on the Status of Women in Dharmasutras", (NEWS LETTER), ISSN : 23954299, Vol. No. 6, Lady Brabourne College, Kolkata, 2016, pp. 103-105.
3. **Dey, D**; Reductio-ad-absurdum or Tarka as an Educational Method: An IndianPerspective: International Journal of Decision Ethics (IJDE), (ISBN 1-59267-042-3, ISSN-1557-9417), Vol-8, Issue-3, pages 81-90, Sponsored by Oxford University, UK, 2012.
4. **Dey, D**; A Buddhist Critique of *Svabhāvavāda*: Nagoya Studies in Indian Culture and Buddhism, Sambhasa,(ISSN-0285-7154) Vol- 30, pages 14-26, Nagoya University, Japan, 2013.
5. **Dey, D**; The Vedanta Theory of Illusion: Dialogue and UniversalismE, Volume 5, Number6, ISSN NO 21604339, pages 1-16, 2014 . (E-journal).
6. **Dey, D**; Definition of Valid Knowledge of Udayanacharya: An Analysis, Philosophy of Education, Vol-7, Scientific Journal, (Special Issue), Novosibirsk State Pedagogical University,Institute of Philosophy and Law of the Siberian Branch of the Russian Academy of Sciences, ISSN NO. 1811-0916, Novosibirsk, Russia, 2014.
7. **Dey, D**; Synonyms of Error: A Nyaya Approach: International Journal of Decision Ethics (IJDE), (ISBN 978- 1-59267-152-6, ISSN-1557-9417), Vol-IX.2, pages 143-161, Sponsored by Oxford University, UK, Summer, 2014.
8. **Dey, D**; Nyaya Vaisesika Theory of Illusion, Philosophy of Education, Vol-8, Scientific Journal, (Special Issue), Novosibirsk State Pedagogical University,Instituteof Philosophy and Law of the Siberian Branch of the Russian Academy of Sciences, ISSN NO. 1811-0916, Novosibirsk, Russia, 2015.
9. **Dey, D**; Human Being Believes in God: Unfoundationally? , Dialogue and Universalism, Journal of the International Society for Universal Dialogue, Vol-XXVI, No. 1/2016, ISSN NOO 1234-5792, Warsaw, Poland, 2016.
10. **Dey, D**; Samkhyadarsanepurus o prakriti : Bethune College journal, pages 37-40,Kolkata,March,2007.
11. **Dey, D**; Samskriterabindra-sahityeranubad: Koraksahityapatrika, (R.N-41092/82), pages 114-118, Sept-Dec Issue,Kolkata 2010.
12. **Dey, D**; The origin and transformation of Purusa and Prakriti in Samkhya Philosophy: Hindustani Academy, Part- 31, Vol-4, pages- 187-189,Allahabad, October-December, 2010.
13. **Dey, D**; *The story of Malanchamala of ThakurdarJhuli: An Analysis from a different Perspective*: Journalof Women's Studies, University of North Bengal, Vol-1, pages- 47-63, March, 2010.
14. **Dey, D**; The Anti-theistic views of Kumarila: Anviksiki, Departmental journal of Philosophy, Benaras Hindu University,Vol- VII (ISSN no.2231-3680), pages 137-144,Varanasi, December, 2011.
15. **Dey, D**; The concept of worship from the perspective of Swami Vivekananda: RaiganjGaurbanga Research Forum Journal, Vol-1, Issue-2(ISSN-2277-6117), pages 119-124, Raiganj , West Bengal, 2012.
16. **Dey, D**; Theories of Illusion in Indian Philosophy: Victorian Journal of Arts, (ISSN: 0975-5632) Volume -6, No-1, pages 87-93, A.B.N.Seal College, Coochbehar, 2013.
17. **Dey, D**; Niti O Naitikata: MahabharaterDristite:Victorian Journal of Arts, (ISSN: 0975-5632) Volume -7, No-1, pages 113-115,A.B.N.Seal College, Coochbehar, September ,2014.
18. **Dey, D**; Mahabharater Katha: Mulanusariathabasvabhiprayasthapan? Victorian Journal of Arts, (ISSN: 0975-5632) Volume -8, No-1, pages 113-115,A.B.N.Seal College, Coochbehar, July ,2015.
19. **Dey, S**; Female Education in the Indo-Aryan Society. *Communique*, Vol.9, No.1, 2015, ISSN:0973-8584 pp.107-112.

➤ Books

1. **Dey, D**; Prasanga: Pramana, ISBN 978-93-80663-29-6, pages 145, Published by LEVANT BOOKS, Kolkata, 2012.
2. **Dey, D**; BharatiyaDarshan: Astik O NastikPrasthanaSamuha: ISBN 978-81-317-8864-6 , pages 176, Published by Pearson , Kolkata, 2014.
3. **Dey, D**; Theories of Illusion in Indian Philosophy: ISBN 9788124608296, pages 152, published by D.K.Printworld, Delhi, 2015.

➤ Book Chapters/articles in Edited Volume

1. **Bhakat S**; "MrichokotikerAlokeBharatiyaSanskritirdharabhahikatarbaichitra", (BHARATIYA SAHITYA: Lokajiban O LokasanskritirAnusandhan), ISBN :978-93-85248-26-9, Netaji Subhas Ashram Mahavidyalaya, Suisa, Purulia, 1st Edition, 2015, pp. 141-143.
2. **Bhakat S**; Vrun- Hotta :DharmasutrajugerAlochona" (RITAYANI), ISBN : 978-93-83368-81-5, Sanskrit PustakBhander, Kolkata – 700006, 1st Edition, 2013, pp. 253-260.
3. **Dey, D**; God in Nyayakusumanjali: Dimensions of Philosophy (ISBN 81-8315-180-9), pages 309-314, New Bharatiya Book Corporation,Delhi, 2012.
4. **Dey, D**; Samkhya Theory of Illusion: Error in epistemic and pragmatic Sphere (ISBN No. 978-93-81493-16-8), pages 46-63, Citadel, Kolkata, 2012.
5. **Dey, D**; Influence of Nyaya views on Indian Rhetoric: A Brief Analysis, Language and Aesthetics, (ISBN 81-7211-320-X978-81-7211-320-9), pages 125-144, Northern Book Centre, New Delhi, 2013.
6. **Dey, D**; Bangla ganeBnadhu: PrayogerTatparya: SmarakGrantha(A.B.N.Seal College), (ISBN 978-93-83018-17-8), pages 103-104, A.B.N.Seal College, Coochbehar, February, 2014.
7. **Dey, D**; Pauttalikata: SvamiVivekananderDristite: Vishaya Vivekananda, (ISBN 978-9383-590-353), pages 99-104, BangiyaSahityaSamsad, Kolkata, March, 2014.
8. **Dey, D**; The concept of worship from the perspective of Swami Vivekananda: Relevance of Swami Vivekananda in 21st Century, ISBN 978-93-83368-92-1, pages 82-90, Sanskrit PustakBhandar, Kolkata, 2014.
9. **Dey, D**; Definition of Valid Knowledge of Udayanacharya: An Analysis: Knowledge-Source (Pramana) and its Logical Implications: A Gateway to Thought Process, pages 63-76, Rachayita, Kolkata, 2015.
10. **Dey, D**; Role of Ethics and Moralityin Society, Government and Governannce: Ami Apni o NitirSvalpakatha, (ISBN 978-93-82623-25-0), pages 201-206, Readers Service, Kolkata, 2015.

Department: Zoology

Faculty Members involved in publishing research articles/books/reviews/book chapters/conference proceedings/occasional papers:

1. **Das, S**; [Dr. Sudipta Das; Associate Professor and HOD]
2. **Singha, U S**; [Dr. Utpal Singha Roy, Assistant Professor]
3. **Bhattacharya, K**; [Kuntal Bhattacharya, Assistant Professor]
4. **Chatterjee, S**; [Saumabha Chatterjee, Assistant Professor]
5. **Dutta, S**; [Sumana Dutta, Assistant Professor]
6. **Das, R**; [Runa Das, Part time faculty]
7. **Das A**; [Dr. Alakananda Majumdar, Part time faculty]

➤ Research articles/reviews

1. Adhurya. S, Roy. S and **Roy U. S**. (2015). Report on range extension of eight lesser known avian species from Durgapur Ecoregion, West Bengal, India. *Annals of Experimental Biology* 3 (4): 1 – 6. ISSN: 2348-1935.

2. Agarwala B. K and A. Das (1998). Population diversity in aphids: The influence of host plants in morphology, biology and ecological performance of the mustard aphid *Lipaphis erysimi* (Kaltenbach). *J. Aphidol*, India PP 12:21-31.
3. Aich A., Goswami A. R., Roy U. S. and Mukhopadhyay S. K. (2/2015). Ecotoxicological Assessment of Tannery Effluent Using Guppy Fish (*Poeciliareticulata*) as an Experimental Model: A Biomarker Study. *Journal of Toxicology and Environmental Health Part A* 8(4): 278 – 286. Print ISSN: 1528-7394; Online ISSN: 1087 – 2620.
4. Aich A., **Roy U. S.** and Mukhopadhyay S. K.(2006). Cooperation as an Evolutionary Consequence. *Journal of Environment and Sociobiology* 3(2): 153 – 167. ISSN: 0973-0834.
5. Banerjee P., Pal. A, **Roy U. S.** and Mukhopadhyay S. K.(2012). Avifaunal Diversity from an Urban Perennial Freshwater Lake of West Bengal, India with Special References to limnochemistry and Anthropogenic Interventions. *Panchakotessays* 3(1): 32 – 42. ISSN: 0976-4968.
6. **Bhattacharya** K and Chandra G, (2013). Bioactivity of *Achyranthes aspera* (Amaranthaceae) foliage against Japanese Encephalitis vector *Culex vishnu* group. *Journal of Mosquito Research*; Sophia publisher, Canada,3(13), 89-96. Citation Index- 7
7. **Bhattacharya**. K and Chandra. G, (2014). Phagodeterrence, Larvicidal and Oviposition Deterrence activity of *Tragia involucrata* L. (Euphorbiaceae) root extractives against vector of lymphatic filariasis *Culex quinquefasciatus* (Diptera: Culicidae). *Asian Pacific Journal of Tropical Disease*; Elsevier, 4(Suppl1): S226-S232. Citation Index- 14
8. **Bhattacharya**. K and Chandra. G, (2015). Biocontrol efficacy of *Operculinaturpethum*(L.)(Convolvulaceae)leaf extractives against larval form of malarial mosquito *Anopheles stephensi*(Liston 1901). *International Journal of Pharma and Bio Sciences*, 6(3), (B) 460-468.
9. **Bhattacharya**. K, Burman. S, Nandi. S, Roy. P, Chatterjee. D and Chandra. G, (2014). Phytochemical extractions from the leaves of *Ravenala madagascariensis* from Sundarban area and its effect on southern house mosquito (*Culex quinquefasciatus* Say 1823) larvae. . *Journal of Mosquito Research*; Sophia publisher, Canada,4(12), 1-6. Citation Index- 2
10. **Bhattacharya**. K, Chandra. I, Kundu. P, Ray. S, Halder. D and Chandra. G, (2014). Larval control of *Culex vishnu* group through bio-active fraction of traveller's tree, *Ravenala madagascariensis* Sonn. (Strelitziaceae). *Journal of Mosquito Research*; Sophia publisher, Canada,4(10), 1-6. Citation Index- 4
11. Chakraborty S, Singha S, **Bhattacharya** K and Chandra G (2013). Control of human filarial vector, *Culex quinquefasciatus* Say 1823 (Diptera:Culicidae) through bioactive fraction of *Cayratia trifolia* leaf. *Asian Pacific journal of tropical biomedicine*, Elsevier, 3 (12), 980-984. Citation Index- 1
12. Chandra G, Banerjee S S, **Bhattacharya** K and Chatterjee S(2016): **Efficacy of a Locally Isolated Strain of *Bacillus cereus* as Mosquito Larvicide**, *Molecular Entomology*, 7(5), 1-5, doi: 10.5376/me.2016.07.0005
13. Changder. S, Adhurya. S, **Roy U. S.** and Banerjee. M (2015). A Report on Midwinter Bird Diversity from Mangalajodi Wetland, Odisha. *ZOO's PRINT XXX* 12: 1 – 5. Print ISSN: 0971-6378; Online ISSN: 0973-2543.
14. Chatterjee A., Jain M., **Roy U. S.** and Mukhopadhyay S. K.(2008). Limnochemical Factors Influencing the Seasonal Population Density, Secondary Production, and Calcium-to-Tissue Ratio in the Freshwater Limpet *Septaria lineata* (Archaeogastropoda: Neritidae). *Turkish Journal of Zoology* 32: 245 – 252. Print ISSN: 1300-0179; eISSN: 1303-6114.
15. Chattopadhyay B., Goswami A. R., **Roy U. S.**, Aich. A and Mukhopadhyay S. K.(2008). Amelioration of Effluent Toxicity: Nature's Handwork. *Indian Leather* 42: 31 – 38. ISSN: 0019-574X.

16. Chattopadhyay B., **Roy U. S.** and Mukhopadhyay S. K.(2010). Mobility and Bioavailability of Chromium in the Environment: Physico-Chemical and Microbial Oxidation of Cr (III) to Cr (VI). *Journal of Applied Science & Environmental Management* 14(2): 97 – 101. ISSN 1119-8362.
17. Chatteraj-Bhattacharyya. S, **Das. S**, Das. A. B. and Majumder A. L. (1992): Modulation of Fish Liver Fructose-1, 6-Bis Phosphatase by Ammonia Stress. *Biochemistry International* 28(3) : 497-508.
18. Chaudhuri, A., Kundu, L.M., Dutta, S., **Chatterjee, S.**, Goswami, S., Roy, G.C., Ray, S. (2015). Allelopathic effects of aerial parts aqueous extract of *Ampelocissuslatifolia*(Roxb.) Planch. in apical meristem cells. *Asian Journal of Plant Science and Research, 2015, 5(3):11-16. (ISSN : 2249-7412) Citation-2.*
19. **Das. S** (2007): Global warming-its causes & effects. *Communique*, 1:(3):81-88.
20. **Das. S** and Das. A. B.(1985): Effect of temperature on nitrogenous excretion of two Indian freshwater teleosts, Channa and Labeo. *Indian J. Com. Anim. Physiol.* 3(1): 65-71.
21. **Das. S**, Ghosh M. K., Shamsuddin M., Saha P. K. and Sen S. K. (1993): Impact of rearing space, leaf quality, diet rationing and sanitation measures on bivoltinesilkworm rearing in the plains of West Bengal, India. *Uttar Pradesh Journal of Zoology* 13(1): 76-80.
22. **Das. S**, Saha A. K., Saha P.K. and Shamsuddin M. (1998): Impact of feeding frequency and diet rationing on bivoltine silkworm rearing in Gangetic plains of West Bengal. *Uttar Pradesh Journal of Zoology* 18(2): 121-125.
23. **Das. S**, Saha A. K., Shamsuddin M., and Sen S. K. (1996): Effect of starvation after hatching on the rearing performance of bivoltine silkworm. *Uttar Pradesh Journal of Zoology* 16(2) : 75-78.
24. **Das. S**, Saha P. K, Shamsuddin M., and Sen S. K. (1994): Feeding frequency: The economic potentiality and efficacy of tropical bivoltine rearing during the favourable season. *Sericologia* 34(3): 533-536.
25. **Das. S**, Samantara. K and Das. A. B.(1986): Tissue Distribution of Alanine and Aspartate Aminotransferases in an Indian Air-breathing Fish, Channapunctatus(Bloch). *Proc. Indian Natn. Sci. Acad. B* 52 (5): 637-641.
26. Dey. S, **Roy U. S.** and Chattopadhyay S. (3/2015).Effect of heat wave on the Indian Flying Fox *Pteropusgiganteus* (Mammalia: Chiroptera: Pteropodidae) population from Purulia District of West Bengal, India. *Journal of Threatened Taxa.* 7(3): 7029 – 7033. Print ISSN: 0974-7893; Online ISSN: 0974-7907.
27. Dey. S, **Roy U. S.** and Chattopadhyay. S (2013). Distribution and abundance of three populations of Indian flying fox (*Pteropusgiganteus*) from Purulia district of West Bengal, India. *Taprobanica* 05(01): 60 – 66. Online ISSN: 1800-427X.
28. Dey. S, **Roy U. S.** and Pal. A (2013). Studies on fish fauna at Durgapur barrage and its adjacent wetland areas with an eye to the physico-chemical conditions of Damodar River from Durgapur, West Bengal, India. *Journal of Applied Sciences in Environmental Sanitation*8(1): 17-22. ISSN: 0126-2807.
29. **Dutta, S.** and Ray, S. (2015). Evaluation of *in vitro* free radical scavenging activity of leaf extract fractions of *Manilkarahexandra*(roxb.) Dubard in relation to total phenolic contents. *IJPPS*, 7(10):296-301. (ISSN- 0975-1491) **Citation-1**
30. **Dutta, S.** & Ray, S. (2014) Evaluation of antioxidant potentials of leaf aqueous and methanolic extracts of *Calophylluminophyllum* relation to total phenol and flavonoid contents. *Int J Pharm Bio Sci*; 5(3): 441 – 450. (ISSN No: 0975-6299) **Citation-4**.
31. Goswami A. R., **Roy U. S.**, Aich. A, Chattopadhyay B. and Mukhopadhyay S. K.(2011). Spatio-temporal variations in diversity, abundance and primary productivity of planktonic algae in wastewater-fed fishponds at East Calcutta Wetlands. *NebioVol* II, Issue 4: 42 – 51. Online ISSN: 2278-2281.

32. Jain M., **Roy U. S.** and Mukhopadhyay S. K.(2011). Indirect Evidences of Wildlife Activities in Sholas of Western Ghats, a Biodiversity Hotspot. *Vestnikzoologii*45(2): 153 – 159. Online ISSN: 2073-2333
33. Mallick. S., **Bhattacharya. K** and Chandra. G (2014). Mosquito larvicidal potentiality of wild turmeric, *Curcuma aromatica* rhizome, extracts against Japanese Encephalitis vector *Culexvishnuigroup*. *Journal of Mosquito Research*, Sophia publisher, Canada, 4 (19), 16. Citation Index- 4
34. Mukherjee. A, Dey. S and **Roy U. S.** (2016). An Observation on Odonata Fauna of Gandheswari River Bank and Adjoining Fields and Cultivated Lands in Bankura District of West Bengal, India. *Annals of Experimental Biology*. 4(1): 17 – 24. ISSN: 2348-1935.
35. Mukherjee. A, Pal. A. K. and **Roy U. S.** (2015). A review of the present status, threats and conservation strategies of wetlands of India with special reference to its bird diversity. *Communique*. 9(1): 11 – 16. ISSN: 0973-8584.
36. Mukherjee. A, Pal. A. K. and **Roy U. S.** (2015). Winter avian population of Gandheswari River Bank in Bankura District of West Bengal, India. *Annals of Experimental Biology*. 3(2): 5 – 9. ISSN: 2348-1935.
37. Mukherjee. D, **Bhattacharya. K** and Chandra. G(2015). Extracts of *Moringaoleifera* Lam. (Moringaceae) edible Pods as novel antibacterial agent against some pathogenic bacteria. *International Journal of Pharma and Bio Sciences*,6(3), (B) 513-520.
38. Mukherjee. D, Ray. A. S., **Bhattacharya. K** and Chandra. G(2015). Strobilus Extractives of *Thujaorientalis* as novel antibacterial agent against some pathogenic bacteria. *International Journal of Pharma and Bio Sciences*, 7 (1), (B) 156-160. Impact Factor: 5.121
39. Nath S, Halder P, **Das R** (2004) *Levels of Toxic Metals in Acridids of the Industrial Area and Adjoining Forest of Durgapur. Environment and ecology* 22 (Spl-3) : 531-532, 2004 MKK Publication 2004 (ISSN 0970-0420)
40. Nayak. A, Adhurya. S and **Roy U. S.** (2015). First Record of Common Babbler Turdoidescaudata (Timaliidae) from Burdwan District, West Bengal and Range Extension to Eastern India. ZOO's PRINT XXX 7: 12 – 14. Print ISSN: 0971-6378; Online ISSN: 0973-2543.
41. Nayak. A, Dey. S and **Roy U. S.** (2016). An observation on the Odonata fauna of the Asansol-Durgapur Industrial Area, Burdwan, West Bengal, India. *Journal of Threatened Taxa* 8(2): 8503 – 8517. Print ISSN: 0974-7893; Online ISSN: 0974-7907.
42. Pal. A, Dey. S and **Roy U. S.** (2012). Seasonal diversity and abundance of herpetofauna in and around an industrial city of West Bengal, India. *Journal of Applied Sciences in Environmental Sanitation* 7(4): 281–286. ISSN: 0126-2807.
43. Ray. A. S., **Bhattacharya. K** and Chandra. G (2015). Target specific larvicidal effect of *Cappariszeylanica* L. (Capparaceae) foliages against filarial vector *Culexquinquefasciatus* Say (1823). *International Journal of Pharma and Bio Sciences*, 6 (3), 139-148.
44. Ray. A. S., **Bhattacharya. K**, Singh. A and Chandra. G, (2014). Larvicidal Activity of *Nelumbonucifera* Gaertn. (Nymphaeaceae) against *Anopheles stephensi* (Liston 1901) and its Effect on Non-target Organisms. *Journal of Mosquito Research*; Sophia publisher, Canada,4(1), 10-18. Citation Index- 8
45. Ray. D, **Das. S** and Madhu N. R. (2003): Sperm ultrastructural changes in aibino rats induced by ethinylestradiol and dl-norgestrel treatment. *Recent Advances in Animal Science Research* 2:305-309. S.
46. Ray S, **Chatterjee S**, Chakrabarti CS, Antiproliferative activity of allelochemicals present in aqueous extract of *Synedrellaonodiflora* (L.) Gaertn. in apical meristems and wistar rat bone marrow cells. *Iosr J Pharm*, 3(2), 1-10, (2013). Citation-30.
47. Ray, S., Kundu, L. M., Goswami, S., Roy, G.C., **Chatterjee, S.**, **Dutta, S.** Chaudhuri, A. and Chakrabarti, C.S.(2013) Metaphase arrest and delay in cell cycle kinetics of root apical meristems and mouse bone marrow cells treated with leaf aqueous

- extracts of *Clerodendrumviscosum* Vent. *Cell proliferation*; 46:109-117. (Impact Factor: 3.116)(ISSN: 1365-2184)Citation-7.
48. **Roy U. S.** and Dey. S (2015). Wealth from waste: a review of wastewater-fed fishponds of East Kolkata Wetland Ecosystems. *Communique*. 9(1): 17 – 20.ISSN: 0973-8584.
 49. **Roy U. S.** and Dey. S (3/2015). Studies on Otolith Bone of Nile Cichlid (*Oreochromisniloticus*). *Annals of Experimental Biology*. 3(1): 24 – 28.ISSN: 2348-1935.
 50. **Roy U. S.** and Mukhopadhyay S. K.(2010). Nanoplankton Colonization on Artificial Substrate in a Large Perennial Freshwater Pond of West Bengal, India. *European Journal of Applied Sciences* 2(3): 94 – 97. ISSN: 2079-2077
 51. **Roy U. S.** and Mukhopadhyay S. K.(2012). Wings no help to flee: Impact of Climate Change on Bird Migration: a review. *Academic Journal Hooghly MohsinCollege*7(1): 26-36. ISSN: 0973-6212.
 52. **Roy U. S.**, Aich. A, Chattopadhyay B., S. Datta and Mukhopadhyay S. K.(2013). Studies on the toxicity of composite tannery effluent using guppy (*Poeciliareticulata*) as a fish model. *Environmental Engineering and Management Journal*13(3): 557 – 563. Print ISSN: 1582-9596; eISSN: 1843-3707.
 53. **Roy U. S.**, Aich. A, Goswami A. R., A. K. Sen and Mukhopadhyay S. K.(2012). Winter Avian Population of River Brahmaputra in Dibrugarh, Assam, India. *ZOO's PRINTXXVII*(12): 17-19.Print ISSN: 0971-6378; Online ISSN: 0973-2543.
 54. **Roy U. S.**, Banerjee. P and Mukhopadhyay S. K.(2012). Study on avifaunal diversity from three different regions of North Bengal, India. *Asian Journal of Conservation Biology* 1(2): 120 – 129.Online ISSN: 2278-7666.
 55. **Roy U. S.**, Chattopadhyay B., Datta S. and Mukhopadhyay S. K.(2011). Metallothionein as a Biomarker to Assess the Effects of Pollution on Indian Major Carp Species from Wastewater-Fed Fishponds of East Calcutta Wetlands (a Ramsar Site). *Environmental Research, Engineering and Management*4 (58): 10 – 17.Print ISSN: 1392-1649; Online ISSN: 2029-2139
 56. **Roy U. S.**, Goswami A. R., Aich. A and Mukhopadhyay S. K.(2011). Changes in Densities of Waterbird Species in Santragachi Lake, India: Potential Effects on Limnochemical Variables. *Zoological Studies* 50(1): 76 – 84.Print ISSN: 1021-5506; Online ISSN: 1810-522X
 57. **Roy U. S.**, Goswami A. R., Aich. A, Chattopadhyay B., S. Datta and Mukhopadhyay S. K. (2013). Changes in physicochemical characteristics of wastewater carrying canals after relocation of Calcutta tannery agglomerates within the East Calcutta Wetland ecosystem (a Ramsar site). *International Journal of Environmental Studies*. 70(2): 203 – 221. Print ISSN: 0020-7233; Online ISSN: 1029-0400.
 58. **Roy U. S.**, Mukherjee M. and Mukhopadhyay S. K.(2012). Butterfly diversity and abundance with reference to habitat heterogeneity in and around Neora Valley National Park, West Bengal, India. *Our Nature* 10: 53 – 60.Print ISSN: 1991-2951; Online ISSN: 2091-2781.
 59. **Roy U. S.**, Pal. A and Pal. A. K.(7/2014). Avifaunal diversity from an urban region of West Bengal, India for an annual cycle. *Manan*. 1(2): 1 – 10. ISSN: 2348-3849.
 60. **Roy U. S.**, Pal. A, Banerjee. P.and Mukhopadhyay S. K.(2011). Comparison of Avifaunal Diversity in and Around Neora Valley National Park, West Bengal, India. *Journal of Threatened Taxa*3(10): 2136 – 2142.Print ISSN: 0974-7893; Online ISSN: 0974-7907
 61. Singh. A, **Bhattacharya. K** and Chandra. G (2015). Efficacy of *Nicotianaplumbaginifolia* (Solanaceae) leaf extracts as larvicide against malarial vector *Anopheles stephensi* Liston 1901. *International Journal of Pharma and Bio Sciences*, 6 (1), (B) 860-868. Impact Factor: 5.121, Citation Index-3

➤ **Book Chapters/articles in Edited Volume**

1. **Roy U. S.** and Mukhopadhyay S. K. (2014). Strategies for Regaining Avian Paradise. *In:Siksha: Pragati-Durgati, Collection of essays on educational progress and retrogress*. Published from BiswaBangiyaPrakashan, Kolkata, pp 175- 181. ISBN 81-88792-37-3.
2. **Roy U. S.** (2011). Metallothionein – A Queer Protective Protein in Biosystem. *In: Basic Science: Prospects and Future Challenges*, edited by S. Bhattacharjee and A. Panigrahi. Government of West Bengal, HooghlyMohsinCollege, Chinsurah, West Bengal. pp 142 – 150. ISBN 978-81-908801-1-4.

➤ **Conference Proceedings**

1. **Das. S.** Acid rain: an invisible threat. In Proceedings of the UGC sponsored state level seminar on 'Science for all', 20-21 September, 2008, pp 5-7.
2. **Roy. U. S.** and Mukhopadhyay. S. K. (2011). Avifaunal Diversity Study: Necessary Field Protocols. *Published in proceedings of UGC Sponsored Seminar on Faunal Diversity Assessment: Designing Field Studies. RKMVCCollege, Kolkata, West Bengal*, pp 22 – 29.
3. **Roy. U. S.** , Banerjee. P., Pal. A and Mukhopadhyay. S. K. (2011). Conservation, Restoration and Management Plan for SantragachiJheel: An Urban Wetland in West Bengal, India. *Published in proceedings of International Conference on Biodiversity & Aquatic Toxicology. ANU, Nagarjunanagar, Andhra Pradesh*, pp 1 – 11.
4. Mukherjee. M, Pal. A and **Roy. U. S.** (2011). Seasonal Diversity and Abundance of Butterfly Species in and Around DurgapurCity, West Bengal, India. *Published in proceedings of International Conference on Biodiversity & Aquatic Toxicology. ANU, Nagarjunanagar, Andhra Pradesh*, pp 21 – 28.
5. **Roy. U. S.** , Goswami. A. R., P. Borah and Mukhopadhyay. S. K. (2011). A Study on Zooplanktonic Diversity with Special Reference to Water and Soil Physicochemical Parameters from Nine Different Freshwater Sources of Northern Part of West Bengal, India. *Published in proceedings of International Conference on Biodiversity & Aquatic Toxicology. ANU, Nagarjunanagar, Andhra Pradesh*, pp 43 – 49.
6. **Roy. U. S.** , Chattopadhyay B., Datta. S. and Mukhopadhyay. S. K. (2011). Metallothionein Assay for Bio-Monitoring Trace Metal Stress in Cichlids (*Oreochromisniloticus* and *Oreochromismossambicus*) Thriving in Contaminated Wastewater-Fed Fishponds in East Calcutta Wetlands, a Ramsar Site. *Published in proceedings of International Conference on Biodiversity & Aquatic Toxicology. ANU, Nagarjunanagar, Andhra Pradesh*, pp 118 – 129.
7. Gorai. B, Gorai. M and **Roy. U. S.** (2011). Application of Green Energies: Prime Need of the Hour. *Published in proceedings of 8th All India Peoples' Technology Congress, Science City, Kolkata, West Bengal*.
8. **Roy. U. S.** , Goswami. A. R., Aich. A. and Mukhopadhyay. S. K. (2008). Comparison of Limnochemical Features between Two Large Perennial Lentic Waterbodies in the Context of Waterbird Colonization. *Published in proceedings of National Seminar on Conservation and Restoration of Lakes Organized by NIH and NEERI, Nagpur, Maharashtra. Vol-I, Eds. Choubey, V.K., Singh, R.D., Singh, O. and Sharma, M.K., National Institute of Hydrology, Roorkee*, pp 267 – 280.

3.4.4 Provide details (if any) of -

- research awards received by the faculty
- recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally
- Incentives given to faculty for receiving state, national and international recognitions for research contributions.

Table 3.10

Sl. No.	Name of Faculty	Award/Recognition
1	Dr. Arup Kumar Ghosh Department of Chemistry	Obtained the Second Best Paper Award in National Conference on Nanotechnology: Materials and Applications (NCoN: M & A) at School of Materials Science and nanotechnology, Jadavpur University, 16-17 June, 2016
2	Dr. Tuhin Ghosh Department of Chemistry	'Outstanding Paper Award' in the 1 st Regional Science & Technology Congress-2016 at Bankura Christian College, Bankura on 7-8 Nov, 2016 by DST-Government of West Bengal for best oral paper presentation
3	Kuntal Bhattacharya Department of Zoology	'Outstanding Paper Award' in the 1 st Regional Science & Technology Congress-2016 at Bankura Christian College, Bankura on 7-8 Nov, 2016 by DST-Government of West Bengal for best oral paper presentation.
4	Dr. Nivedita Acharjee Department of Chemistry	Best poster presentation award in UGC sponsored National Level Seminar on "Modern Trends in Chemical Sciences" during November 25-26, 2016 at Department of Chemistry, Prasanta Chandra Mahalanobish Mahavidyalaya, Kolkata
5	Kuntal Bhattacharya Department of Zoology	Best Oral Presentation award among the young scientists in "National Conference on Advances of Life Sciences and Radiation Biology" held on 17 th -18 th February at the Department of Zoology, The University of Burdwan

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

The institution has a separate Career Counselling Unit which takes initiative to establish institute-industry interface. The Unit recently organized first phase job recruitment interviews of East India Pharmaceuticals Ltd for the students. The unit organizes orientation course and special lectures by external experts from technical institutes.

From 2007 to 2011, UGC COP Sponsored "Certificate Course in Corporate Communication" was run in the institution. From 2008 to 2011, "Entrepreneurship Development Cell" was established and run in collaboration with "National Entrepreneurship Network (NEN)", Mumbai.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

Durgapur Government College is a state government institution. Consultancy provided by teachers is without any revenue generation on the part of the institution. Remuneration is received individually by the teachers for teaching, paper evaluation and other examination related duties at Netaji Subhas Open University and acting as resource person in different institutes.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

1. Basic Infrastructural facilities such as computers, library, printers etc are provided to the faculty.
2. Necessary leave required by the faculty members are forwarded by the Principal to the Department of Higher Education, Government of West Bengal.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

- a) Staff and students of Department of Conservation Biology, Durgapur Government College, prepared a detailed report of flora and fauna in and around Panchet hills as part of Environmental Impact Assessment conducted by Ministry of Environment, Government of India in 2016
- b) Resource person in international institute: Dr. Arpita Bose, Assistant Professor of History, was invited as a resource person at an international conference held at Copenhagen, Denmark, 11th to 16th June 2016. This seminar was organized by the National Museum of Denmark

- c) Teaching, Moderation, Paper examination and other examination related duties are performed by the faculty members of Durgapur Government College at Netaji Subhas Open University

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

Consultancy provided by the institution is free of cost. Consultancy discussed in 3.5.4.(b) and (c), is remunerative and received personally by the faculty member.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighborhood- community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

College organized the following programmes and ensured maximum participation of students in these activities during the last 5 years:

- Cleanliness campaign in college campus and neighbouring villages under NSS Unit.



Fig. 3.9: Cleanliness Campaign by NSS Volunteers in villages

- Literacy Campaign in neighbouring areas, special learning programme for children under NSS Unit.
- Environmental awareness campaigns by organizing seminars under NSS Unit and by organizing student exhibitions annually.
- "Safe Drive Save Life" awareness rally under NSS Unit



Fig. 3.10: "Safe Drive Save Life" awareness rally under NSS

- Tree Plantation Programme, Organising "Bonmohotsab" under NSS Unit



Fig. 3.11: Tree Plantation Programme of NSS Unit

- Maintaining gardens in the College Campus.
- Awareness Programmes for gender sensitization and protection of sexual harassment against women.
- Awareness campaigns and providing assistance for bank account opening, aadhar card and PAN card enrollment to people living in neighborhood areas.
- Observance of Important events such as College Foundation Day, Independence Day, Republic Day, Swami Vivekananda's Birthday, Netaji's Birthday, World AIDS Day, Biodiversity Day, International Women's Day.



Fig. 3.12: "World AIDS Day", 1st December 2016

- Participation of Students in State Youth Exchange Programme organized by Blood Donors' Forums of Durgapur.



Fig. 3.13: NSS Volunteers participated in State Youth Exchange Programme organized by Blood Donors' Forums

- Students actively participate in College exhibitions and prepare different models related to social and environmental issues such as women empowerment and education, female feticide, dowry, food adulteration, environmental pollution, man-made disasters, etc. Viewers from outside also visit these exhibitions
- College Fest, Fresher's Welcome and different cultural programmes are organized by Students' Union in the College Campus in association with the cultural committee of the college involving a vital connection with the outside world
- Participation in Inter-college competitions

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

Each department takes initiative to involve students in various co-curricular and extra-curricular activities. Information received from Students' Database is taken into consideration. The NSS Unit and the Cell for Gender Sensitization of the College keep track of all social movements/activities of the students. Informal feedbacks from neighbouring areas, guardians and friends help to track students' involvement.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

- Stakeholders such as parents, students, alumni, provide feedback to express their perception on the overall performance and quality of the institution
- Through Grievance Redressal Cell
- Through Parent-teacher meetings

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

NSS (Activities and other details)

- NSS wing of the institution is very active since its opening in 1972 and has a very glorious past
- NSS has two units with volunteer base of around hundred students in each unit belonging to science, Arts and commerce streams respectively. Unit 1 was opened in 1972 and Unit 2 was opened in the year 2008
- Financial assistance is disbursed from the affiliating University to these two units. For every financial year, each NSS unit receives Rs. 22,500/- for general activities. Additionally, each unit also receives Rs.22,500/- to conduct special camps every financial year. The utilization certificate is sent to the university for the grants received by these units
- **Adopted villages:** Uttarpally is the adopted village under unit-1. Unit -2 has adopted Dangapara, a new village since the academic year 2015-2016. Some NSS volunteers of our college are recruited from these adopted villages and in most of the cases they are first generation learners. Specially these volunteers are entrusted with the responsibility to sustain the development of these adopted villages after their pass-out
- Demographic Pattern of the adopted villages is also very interesting. Bengali, Bihari, S.C and Adivasi mainly the Santal people live there. Our few volunteers also belong to these Adivasi groups. During cultural festivals of NSS they perform their traditional Santali dance



Fig. 3.14: Traditional Santhali Dance in the cultural festival of NSS Camp at Durgapur Government College

- From this academic year, we tried to focus on the overall development of these villages including education, culture, importance of health and hygiene
- Cleaning and education awareness programme are carried throughout the year. NSS volunteers work sincerely to ensure a clean and plastic free college campus. Campus cleaning, cleaning of adopted villages and literacy campaign are continuous activities of NSS department
- From the financial year 2016-2017, NSS volunteers are doing survey at adopted villages on adhar card, pan card and bank account. They are also organizing awareness campaign about the importance of adhar card, pan card, voter card bank account, ATM etc and helping the villagers to get them
- **Following were some of the activities of NSS unit from July 2015 to February 2017**

Table 3.11

Date	Activity
14-7-15	Bonmohotsab, Organised jointly by NSS Unit and forest department, Government of West Bengal
15-8-15	Independence Day celebration both in college campus and adopted villages
26-8-15	Attended and participated foundation day celebration of at Michael Madhusudan Memorial College
23-9-15	Tree Plantation day, publish wall magazine Sahash, organized cultural festivals
24-9-15	Celebration of N.S.S foundation day
01-12-15	Observance of World AIDS day

Date	Activity
17-12-15 To 18-12-15	Annual Exhibition at D.G.C college campus
27-12-15	Participated in the special camp of Michael madhusudhan Memorial College as guest volunteers
23-01-16	Observed Netaji Birthday, organized rally in college campus and adopted villages
26-01-16	Observed Republic day at College Campus
23-02-16 To 29-2-16	Special Camp (Survey, safai avijan, seminars, sports and drawing competition at adopted villages for kids , blood group checking, cultural programme, special learning for kids)
15.08.16	Independence Day
24.09.16	N.S.S observation day
27.09.16	Save drive save life awareness rally. And tree plantation programme
02.10.16	Safai avijan at college campus and adopted villages under Swatch Bharat Mission
01.12.16	Observance of World AIDS day
17.12.16 and 18.12.16	Participated as delegates in an awareness rally and State Youth Exchange Programme on 17 th December organized by Blood Donors Forum of Durgapur and on 18 th December they attended seminars and also delivered lecture at State Youth Exchange Programme
02.01.17 and 03.01.17	Exhibition at Durgapur Government College
12.01.17	Observed Swamijis birth day
23.01.17	Observed Netaji Birth Day
26.01.17	Observed Republic day in College Campus
06.02.16 To 12.02.16	NSS Special Camp

Special lectures are organized by NSS Unit in the special camps.

Following is the list of lectures organized in NSS special camps during the financial year 2014-2015 and 2015-2016

Table 3.12

Date	Topic	Speakers
13-1-2015	Acid Attack	Prof Amita Kar, Department of Chemistry, Durgapur Government College
14-1-2015	End of a River	Prof. A. K. Pal, Officer in Charge, Durgapur Government College
15-1-2015	Heart to Heart and Blood Donation	Dr. Subir Roy, Medical Officer Mission Hospital

Date	Topic	Speakers
16-1-2015	Swami Vivekananda	Swami Maharaj, Bharat Seashram Sangha, Durgapur
17-1-2015	Suicide: A Social Problem	Abadut Maji, Ex-N.S.S Volunteer
23-2-2016	N.S.S	Moutushi Sen, NSS Programme Officer, Assistant Professor of Botany, Durgapur Government College
24-2-2016	Medicinal Plant	Niloy Das, Department of Chemistry, Durgapur Government College
	Go Green and Save Green	Dr. Tuhin Ghosh, Department of Chemistry, Durgapur Government College
25-2-2016	Beauty of Antarctica	Dr. Sudipta Das, Department of Zoology, Durgapur Government College
26-2-2016	Gender Equality for Sustainable Development	Dr. Nivedita Acharjee, Department of Chemistry, Durgapur Government College
27-2-2016	Satyacharan	Dr. Bhumika Kanjilal, Department of Philosophy, Durgapur Government College
28-2-2016	Conservation of Snake	Debasish Majumder, Amit Kumar Dey, Student of Conservation Biology
	Nationalism	Dipankar Sen, (Department of English, Sanskrit College)
	Unequality	Nandini Jana, (Department of History, Durgapur Government College)
29-2-2016	A Short Film on NSS Special Camp	Abadut Maji (Ex-NSS Volunteers of DGC)

NSS units participate in the annual academic exhibition organized by Durgapur Government College. The volunteers prepare models and charts on various contemporary and important social and environmental issues.

Table 3.13

Year	Themes of Exhibition by NSS Unit
2010-11	Pollution, Plantation, AIDS, Child Labour, Thalassaemia, Eye donation, Smoking
2011-12	Blood Donation; Sound Pollution; Natural Disaster and drought; Sarbasiksha Aviyan; Social afforestation
2012-13	Objectives of NSS; AIDS; Vermicompost; Special Camp; Population Explosion in India
2013-14	Pollution; Global warming; Dengue; Eye donation; Malaria; Women harassment
2014-15	AIDS; Water and air pollution; Thalassaemia; Tobacco smoking; Drought and flood
2015-16	Tobacco smoking; Child Labour; Dengue; Natural Disaster; Women assaults

NCC

NCC Unit of Durgapur Government College has not received any grant from State Government. All students receive financial assistance from the Government of India through 10 Bengal Bn. Asansol.

- Presently classes and training program for the fulfillment of the course pertaining to NCC 'B' and 'C' Certificates, including foot drill and command, weapon training, field craft, battle craft, map reading etc held in every Saturday under the supervision of PI stuffs of the 10 Bengal Bn. Asansol.
- Cadets of the college NCC unit take part in the following camps organized by NCC authority
 - a) Combined Annual Training Camp(CATC)
 - b) Annual training Camp(ATC)
 - c) Republic Day Camp (RDC)
 - d) Thal Sainik Camp (TSC)
 - e) National Integration Camp (NIC)
 - f) Army Attachment Camp (AAC)
 - g) Trekking camp
 - h) Rock Climbing Camp (RCC)
 - i) All India GV Mavlankar Shooting Championship
 - j) Youth Exchange Programme (YEP)

In these camps, rigorous physical training is imparted to the cadets with a view to increase their physical endurance. During Military training, cadets acquire first-hand knowledge about the use of various devices used by the Army. They are also trained on self defense, map reading, first aid and shooting. Cultural programs are also held during training periods for improving the cultural and social outlook of the cadets. They also have to participate in various social activities to get the feeling of belonging to the society. Apart from these, cadets also join the adventure activities such as Mountaineering, Rock Climbing; Ice skating, Trekking etc.

Table 3.14
Participation of students in different NCC Camps

Year	Participated in CATC camp	Participated in IGC camp	Participated in TSC camp	Participated in NIC camp	Participated in AAC camp
2010-2011	90	09	-	09	06
2011-2012	75	02	-	06	08
2012-2013	80	02	-	07	05
2013-2014	50	01	-	06	05
2014-2015	65	03	01	07	12
2015-2016	60	03			



Fig. 3.16: Some important moments of our NCC Cadets

Table 3.15
NCC Enrolment

Academic Session	Enrolled						Total
	M (SD) 1st Yr.	F (SW) 1st Yr.	M (SD) 2nd Yr.	F (SW) 2nd Yr.	M (SD) 3rd Yr.	F (SW) 3rd Yr.	
2012-13	71	14	35	10	00	00	130
2013-14	66	14	25	05	14	06	130
2014-15	46	12	40	10	00	00	108
2015-16	40	20	31	04	00	00	95
2016-17	35	30	23	14	25	03	130

- NCC team regularly participates in the formal Sub Division level Guard of Honour on 26th January and 15th August to commemorate the Republic Day and Independence Day of India and almost every year perform outstandingly.
- NCC cadets also participate in the march-past during the college sports.

Table 3.16
Success Profile under NCC Unit

Academic Session	NCC. "B" Certificate		NCC. "C" Certificate	
	Appeared	Passed	Appeared	Passed
2012-13	127	36	06	00
2013-14	68	46	24	12
2014-15	08	05	15	10
2015-16	34	29	08	00
2016-17	23	23	21	21

Table 3.17
Number of NCC unit students who joined different services:

Year	Name of the service	Number of successful students
2010-2011	ARMY	02
	RPF	01
	CRPF	03
	CISF	03
Year	Name of the service	Number of successful students
2011-2012	BSF	01
	ARMY	01
	RPF	02
2012-2013	AIR FORCE	01
	ARMY	02
	W.B. POLICE	03
2013-2014	W.B. POLICE	05
	SSB	01
2014-2015	ARMY	01
	RPF	01
	CRPF	01
	CISF	02
	W.B. POLICE	01
2015-2016	ARMY	02
	SSB	01



Fig. 3.17: Participation of NCC cadets in annual college exhibitions

- NCC team regularly participates in the formal Sub Division level Guard of Honour on 26th January and 15th August to commemorate the Republic Day and Independence Day of India and almost every year perform outstandingly.
- NCC cadets also participate in the march-past during the college sports.
- NCC Cadets celebrate "National Yoga Day" in the college campus

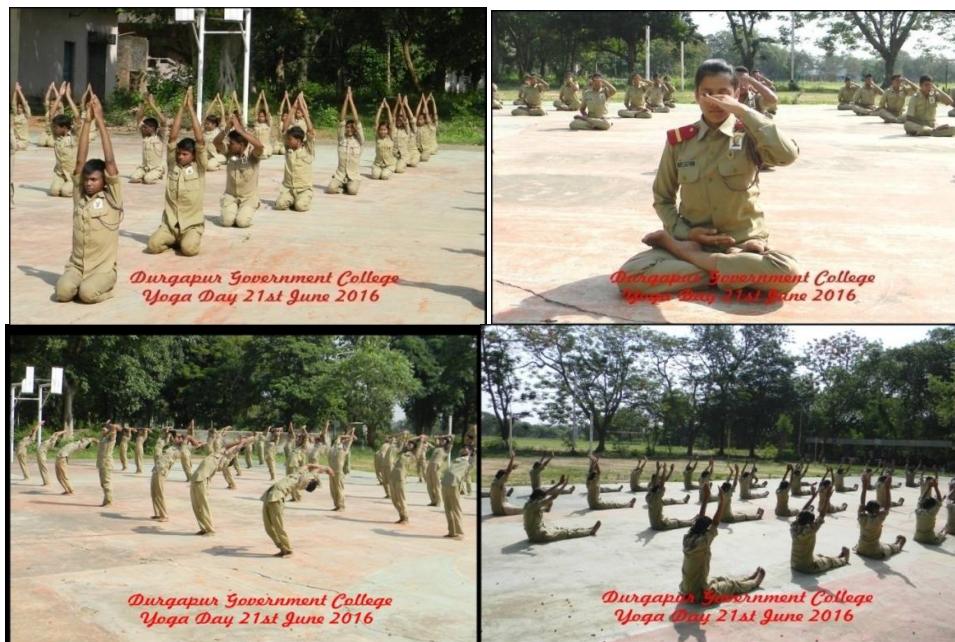


Fig. 3.18: National Yoga day celebration by NCC Cadets



Fig. 3.19: Trekking and Rock Climbing by NCC Cadets of Durgapur Government College

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

- After admission to college, students are notified about the enrolment in NSS and NCC Units.
- NSS and NCC Units also launch membership enrolment drives.
- Both NSS and NCC Units work under the Programme Officers of the Units who are faculty members of the institution.
- The NSS of the College has two units with volunteer base of around hundred students in each unit belonging to Science, Arts and Commerce streams respectively. Uttarpally is the adopted villages under unit-1. Unit -2 has (opened in 2008) adopted Dangapara, a new village since the academic year 2015-2016. Some NSS volunteers of our college are recruited from these adopted villages and in most of the cases they are first generation learners. Especially these volunteers are entrusted with the responsibility to sustain the development of these adopted villages after their pass-out. Demographic Pattern of the adopted villages is also very interesting. Bengali, Bihari, S.C and Adivasi mainly the Santal people live there. Our few volunteers also belong to Adivasi groups.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

- Out of the two adopted villages under NSS Unit, some NSS Volunteers have been recruited from these villages, they are first generation learners and literacy campaigns are in progress for the under-privileged children of these villages.
- Social surveys are carried out by NSS Unit in the adopted villages regarding the economic status and literacy of the villagers.

- Socio-economic survey was carried out by 2nd year and 3rd year students of Department of Economics under the guidance of Samapti Saha, Head, Department of Economics, Durgapur Government College.



Fig. 3.20: Students of Department of Economics making a social survey in the slum areas (Dr. B. C. Roy Colony) of Durgapur under the guidance of Samapti Saha, Head, Department of Economics

The survey is not included in the regular course curriculum. The survey was conducted in the slum area situated in Durgapur town under Ward no: 23, known as Dr. B. R. Colony. Questionnaire was prepared by the students and they took interviews of the slum dwellers. Students gained the experience of primary data collection from the survey and got exposure to the socio-economic conditions of slum areas. One of the students, Saikat gave the idea of spreading bleaching powder in the slum area which was encouraged and applied during the survey.

3.6.7 *Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.*

The extension activities organized by the college under NSS, NCC and other units inculcate different values and skills among the students. Some of these objectives are listed below:

- Developing a sense of respect and duty towards protection of environment in terms of cleanliness, tree plantation, garden maintenance etc.
- Understanding the community in which they work and identify the needs and problems of the community
- Developing a sense of social responsibility for under-privileged section of the society.
- Utilizing their knowledge to search for practical solutions to different individual and community problems.
- Developing leadership and organizational qualities
- Developing the sense of preparedness to meet emergencies and disasters
- Developing the skills of social survey and research

3.6.8 *How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?*

- NSS Unit involves volunteers from local villages and surrounding areas. These volunteers actively participate in College functions, campaigns and seminars organized in special camps. Some of the NSS Volunteers belong to adivasi community. During cultural festivals of NSS, they perform their traditional Santhali dance

3.6.9 *Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.*

College maintains cordial relationship with the other institutions situated in the locality. Members of NSS Unit of Michael Madhusudan Memorial College, Durgapur participate in the special NSS Camps organized by Durgapur Government College.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

NCC

The NCC team participates in the formal Sub Division level Guard of Honour on 26th January and 15th August to observe Republic Day and Independence Day of India and almost every year perform outstandingly.

Table 3.18
Awards received by students in different NCC Camps

Year	Awarded in different segment during NCC camp	Republic Day Parade (Sub Div. Level)	Governors' Medal
2010-2011	12	1 st position	0
2011-2012	16	1 st position	1
2012-2013	10	1 st position	0
2013-2014	06	1 st position	0
2014-2015	08	3 rd position	0
2015-2016	09	2 ND position	0



Fig. 3.20: Prize distribution ceremony of Republic Day Parade 2014
(1st position in Sub Divisional Level)

- Outreach Programme was organized by CASTEI, Kolkata at Durgapur Government College on 08.02.2017.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

Faculty Members of the institution have collaborations with different research laboratories and universities for research activities. Please refer to Table 1.1 of Chapter 1 for details of such collaborations.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/ Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

The institution has MOU with Netaji Subhas Open University (NSOU) to run courses beyond college working hours, that is, on Saturday afternoons and Sundays.

Two Study Centres of **Netaji Subhas Open University**, presently function under Durgapur Government College.

- One of the Study Centres offers laboratory-based postgraduate programme in Zoology. Kuntal Bhattacharjee, Assistant Professor of Zoology, Durgapur Government College, is the coordinator of this unit. [MOU refer to Order no: 2080 dated 23.07.2007 with effect from July Semester 2007]
- The other centre offers Bachelor Degree Programmes in Bengali, English, History, Political Science, Mathematics, Commerce, Public Administration, and Library and Information Science, and Postgraduate Programmes in Bengali, English, History, Political Science, Public Administration, Mathematics, Commerce, Library and Information Science, Social Work, English Language Teaching, and Education. Kripasindhu Kumar, Head of Physics Department, is working as the Co-ordinator of this unit. Faculty members of this College are involved in different academic activities of NSOU such as regular teaching, evaluation of answer scripts, acting as board observers and examiners. [MOU refer to Order no: 336 dated 10.05.2012 with effect from July Semester 2012]

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

No such establishment has been done in the institution. College involves a Career Counseling unit which interacts with local industries.

3.7.4 *Highlighting the names of eminent scientists/participants who contributed to the events provide details of national and international conferences organized by the college during the last four years.*

Please Refer to Table 3.5 for the list of seminars/workshops and conferences organized by the college during the last four years. Also Refer to Table 2.10 of Chapter 2 for the special lectures organized by different departments. Following is the list of eminent scientists/participants who contributed to these events:

1. **Professor. Soumitra Banerjee**; Indian Institute of Science, Education and Research, Kolkata, Prestigious Bhatnagar awardee
2. **Professor. Sadhan Chakraborty**, Department of Philosophy, Vice-Chancellor, Kazi Nazrul University; Formerly, Professor, Department of Philosophy, Jadavpur University
3. **Professor Sudhendu Mandal**, Former Director National Library, Kolkata and former Adhyaksha, Shiksha Bhavana, Visva Bharati
4. **Professor Shyamal Kr. Bhadra**, Eminent Scientist, Department of Physics, Indian Association for the Cultivation of Science, Kolkata
5. **Professor Himadri Lahiri**, Department of English and Culture Studies, The University of Burdwan; Olive I Reddick Prize (Indo-American Centre for International Studies) Awardee; Fellow of Salzburg Seminar American Studies Alumni Association, Austria
6. **Professor Niladri Ranjan Chatterjee**, Department of English, University of Kalyani, Fulbright Scholar
7. **Dr. Shouvik Mukhopadhyay**, Associate Professor of History, University of Calcutta
8. **Dr. Suchandra Ghosh**, Professor of Ancient Indian History & Culture, University of Calcutta,
9. **Dr. Subhajit Sengupta**, Associate Professor, Department of English and Culture Studies, The University of Burdwan.
10. **Prof. Arun Mahato**, Department of Philosophy, Jadavpur University
11. **Prof. Proyash Sarkar**, Department of Philosophy, Jadavpur University
12. **Prof. Ashis Basu**, Department of Political Science, Chandernagore Government College.
13. **Prof. Bikash Mondal**, Department of Philosophy, West Bengal State University

3.7.5 *How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated –*

- a) Curriculum development/enrichment
- b) Internship/ On-the-job training
- c) Summer placement
- d) Faculty exchange and professional development

- e) Research
- f) Consultancy
- g) Extension
- h) Publication
- i) Student Placement
- j) Twinning programmes
- k) Introduction of new courses
- l) Student exchange
- m) Any other

Institution has MOU with Netaji Subhas Open University which runs two study centers in the college campus

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

- Most of the faculty members of science departments have collaborations with eminent scientists, researchers and professors of different research bodies and universities. These interactions have resulted in joint publications and joint research projects and would lead to laboratory and technology sharing in future
- Research and seminar proposals of the institution have been accepted by UGC, DST and ICSSR due to sincere efforts of faculty members. The research committee promptly encourages such initiatives and screened proposals are forwarded to the competent authority without delay
- Career counseling unit and Cell for Gender Sensitization work to enhance the interactions of the institution with industries, eminent teachers and research bodies. These efforts are expected to establish linkages and collaborations

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

- The institution aims to invite resource persons from different research institutions to deliver lectures on emerging research areas of science. However, funding is a major constraint in this direction. Government funds are not allotted for research and expert lecture facilities
- The institution is planning to start NET/SLET/GATE coaching classes by the existing faculty members in association with the career counselling unit
- The institution further plans industrial visit for students of different departments to enhance their knowledge and increase exposure to the industries

- The institution is further planning to start enrichment courses in communicative English and skill development courses for computation, animation and tourism. Application letter for approval has been sent to the Department of Higher Education, Government of West Bengal
- The institution plans to organize awareness programme in association with the Departments of Biological Sciences to highlight the abundance of natural resources in the huge college campus
- Arts depts. have already entered into dialogues for collaborative programmes

CRITERION – IV

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 *What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?*

- The College, being a full-fledged government institution, is dependent on the financial grants received from the state government and the UGC for creation and enhancement of infrastructure.
- The financial grants are received once a year and the entire amount under each head is to be utilized properly on or before 31st March, that is, the last day of a financial year.
- Depending on the amount received by Durgapur Government College, a meeting is called where the departments are notified as to the amounts received by them. If any department requires a little more than what is granted to it, help is sought from a department which does not require the entire amount immediately.

Policies of the institution to facilitate effective teaching and learning have been briefed as follows:

- Funds are allocated for furniture, books/journals, chemicals & glasswares, equipment and contingency. Building Committee and Central Purchase Committee monitor the allocations.
- Maintenance and other civil works of the institution are carried out by PWD, Government of West Bengal.
- College Central Library was shifted to a newly built four storied building to provide more reading and working space.
- Science and Commerce Departments have separate staff rooms for faculty members. Efforts are in progress to provide cubicles for faculty of Arts departments in order to ensure better working space.

4.1.2 *Detail the facilities available for*

- a) Curricular and co-curricular activities –

Curricular:

❖ **Classrooms:**

- The institution involves three streams: Arts, Science and Commerce. Classes for Science and Arts Streams are held in the Day session (10 am-5 pm). Commerce classes are held in the morning session (7-11 am).
- There are total 58 classrooms.

- All Classrooms are equipped with black/white/green boards.
 - Space near the Staff Quarters used as Open air classrooms
- ❖ **Technology enabled learning spaces:**
- LCD Projectors and laptop computers are available in the Departments of Geology, Chemistry, Zoology and Conservation Biology. These are used by the faculty members as per requirement.
 - For other departments, two seminar halls in the office building and Zoology departmental building are present which are equipped with LCD projector. Departments have to apply to the Head of the Institution to use the seminar hall for teaching and learning activities, organization of seminars or special lectures.
 - Virtual Classrooms (02) are present in the College for computer aided teaching. Virtual Classrooms also double up as seminar halls
- ❖ **Seminar halls:** Two seminar halls in the office building and Postgraduate building are present in the college.
- ❖ **Tutorial spaces:** There is no specific arrangement for tutorial classes. Tutorial classes are held in classrooms allotted in the master routine.
- ❖ **Laboratories:**
- Computer lab-1 [Please refer to Ans: 4.3 for details of computers present in the lab]. This laboratory is used by Departments of Commerce, Physics and Mathematics for the computation courses mentioned in the undergraduate curriculum.



Fig. 4.1. Deep Banerjee, Department of Commerce, explaining class assignments in computer lab

- Physics Lab-04 Labs are present for 1st, 2nd and 3rd year students of honours and general/programme courses. Computational physics classes are carried out in the college computer lab.



Fig. 4.2. Hrishikesh Mondal, Department of Physics, explaining practical assignments to students in Physics Lab

- Chemistry lab-05 Computer Labs are present for undergraduate and postgraduate courses



Fig. 4.3. B.Sc. 2nd year (Honours) students performing experiments in Chemistry Laboratory

- Geology Lab-Besides the conventional teaching laboratories the department has developed a sophisticated laboratory for optical microscopic studies with facilities for digital photomicrography.



Fig. 4.4. Dola Chakrabarti explaining the use of Petrological microscope (purchased from DST-FIST grant: 2013-2014) to students in Geology laboratory

There is a state-of-the-art facility for preparation of rock thin sections. These facilities were developed under the FIST Programme of the Department of Science and Technology, Government of India under DST FIST grant 2004.

- Botany Lab: One laboratory is present for honours and programme courses



Fig. 4.5. Students performing experiments in Botany Laboratory

- Zoology Lab- Two laboratories are present in the department for undergraduate honours, programme and general courses

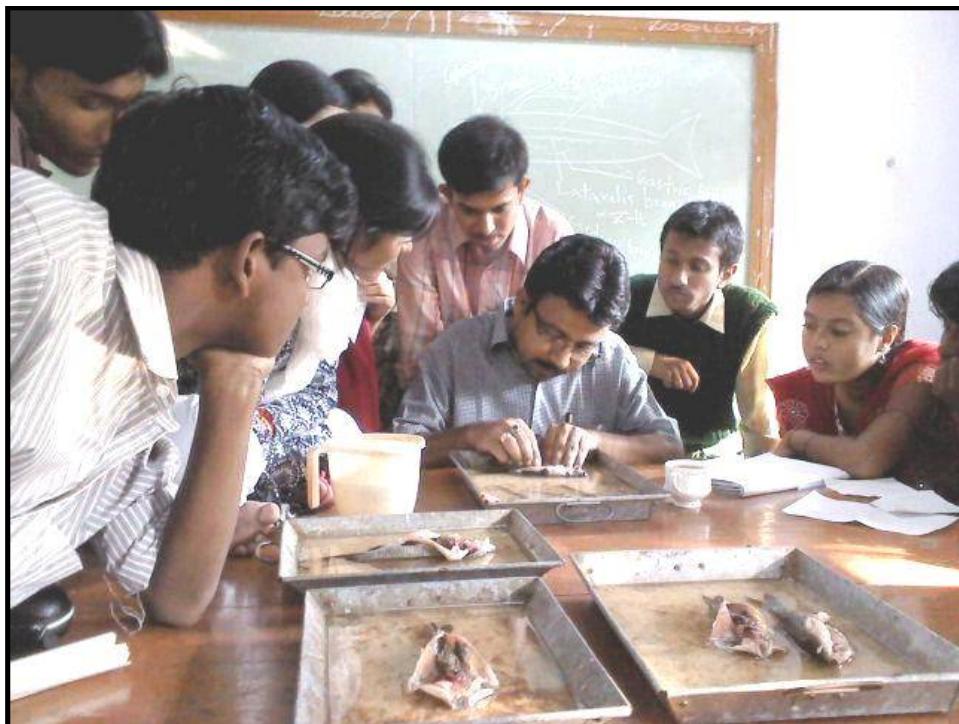


Fig. 4.6. Students in Zoology practical class

- Conservation Biology Lab: One Lab is present in the Department for postgraduate courses

- Central Instrumentation Facility: 01 Lab situated in the Zoology building for this facility.



Fig 4.7: UV-Visible Spectrophotometer being used by students in the Central Instrumentation Facility Lab

- ❖ **Botanical garden:** A Medicinal Garden is maintained by Department of Botany in the College Premises.
- ❖ **Networking & Wi-Fi Connectivity:** Optical Fiber (unmanaged) LAN (star topology) extending the internet facility all over the academic premises. Wi-Fi connectivity is available in some buildings of the institution.



Fig. 4.8. Networking in the College Campus

- ❖ **Museums/Display:** Department of Zoology maintains a display unit inside the department.

❖ **Specialized facilities and equipment for teaching, learning and research etc.:**

Following is the list of major equipment present in different departments for teaching, learning and research activities:

Table 4.1

SI.No.	Department	Equipment (Quantity)
1	Botany	Incubator(4), Hot air oven (3), Simple Microscope(23), Compound Microscope(83), Autoclave (3), Laminar Air Flow(1), Mechanical Shaker (1), Table Top Centrifuge(2), Research Microscope(1), Microtone(1), Hotplate(2), Digital Balance (4), PAN balance(1), Suction pump(1)
2	Chemistry	UV-Visible Spectrophotometer (1), Electrical Balance (2), Rough Balance (1), Hot Air Oven(2), Analytical Balance (15), pH meter (1), Conductivity meter (5), Potentiometer (4), Colorimeter (2), Magnetic Stirrer (2), Vortex Shaker (1), Hi-Vacuum Pump (1), Xerox Machine (1).
3	Conservation Biology	Spectrophotometer, colorimeter, mini centrifuge, ph meter, BOD unit, Camera microscope, other light and compound microscope and other equipment that are essential for field collection of live samples
4	Geology	Petrological Microscope (student model): Censico Pol-I (35), Ore Microscope (student model): Censico Ore-I (20), Paleontological Microscope (student model)(10), High resolution Petrological microscope (Research Model): Nikon E200 with photomicrographic attachment, Pocket Stereoscope (20), Mirror Stereoscope (with parallax bar) – National Instrument (01), Rock Cutter: Local Make (01), Rock Cutter: Buehler Petromet (01), Rock grinder: Local make (02), Automatic Thin Section Cutter: Buehler PetroThin (01), Precision Balance: METTLER TOLEDOME303 Analytical Balance (01), Handheld GPS (03), Hot air oven (01), Digital Camera (06), Vacuum cleaner (01).
5	Physics	Spectrometer (6), Biprism (1), e/m set up (1), Travelling microscope (6), Oscilloscope (1), Op-amp kits (2), Kater's pendulum (2), Moment of Inertia (2), Flexure of beam (Young Modulus), Seaside's Apparatus (1), Poiseuille's apparatus (2), Jaeger's apparatus (1), less and chorlton apparatus (1), Deflection magnetometer (2), Potentiometer (3), Suspended coil dead beat galvanometer (1), Thevenin's theorem-Norton theorem verification kits (1), Basic gates verification kits (1), Meter bridge (2), ECE of copper (1), Ballistic galvanometer (4), Anderson's experiment kit for self-inductance of two coils (1), LCR circuit (1), Construction of one ohm coil (1), Newton's ring apparatus (1), Polarimeter (3), Apparatus for mutual inductance by Carey-Foster method, Apparatus for determination of high resistance by the method of charge-leakage from capacity (1), CE mode transistor amplifier (1), Apparatus for determining coefficient of viscosity of highly viscous liquid by Stoke's method.
6	Zoology	Digital Balance (2), Simple Microscope (3), Compound Microscope (8), pH meter(1), Colorimeter(1), Hygrometer(1), Microtone(1), Plankton's Net (1), Haematometer(1),

Library facilities: The institution has a central library and seminar libraries in different departments. Central Library consists of about 76147 books and 3653 reference books. Library uses Libsys 4 LS starter (rel 6.0) version to archive the books present in the library. Library consists of journals, references, audio-visual CDs, paintings, bibliographic information and many more.

b) Extra-curricular activities

❖ **Extra-curricular activities**

- **Sports:** Students are provided jerseys and shorts for different sports tournaments. Sports items of cricket, football, volleyball, basketball and athletics are available in the department for practice.
- **Outdoor and Indoor Games:** Table Tennis, Chess, Carom
- ❖ **NSS:** NSS Unit has a separate room in the college campus. Financial assistance is disbursed by the University for general activities and special camps.. Moutushi Sen, Assistant Professor of Botany, is the Project Officer of NSS Unit-1 and Dr. Arpita Bose, Assistant Professor of History, is the Project Officer of NSS Unit-2.
- ❖ **NCC:** NCC Unit has a separate room in the college campus with computer facility. Hrishikesh Mondal, Assistant Professor of Physics is the Caretaker/ANO of the NCC Unit. All students receive financial assistance from the Government of India through 10 Bengal Bn. Asansol.
- ❖ **Common Room:** Institution has separate common rooms with toilet facilities for male and female students in the college premises.
- ❖ **Gymnasium:** Gymnasium is available for both male and female students
- ❖ **Health and Hygiene:** Sick Room is present in the institution with First Aid Box.
- ❖ **Cultural Activities:** Students, faculty members, college staff and NSS Units arrange several cultural programmes throughout the year. Important Days such as College Foundation Day, Independence Day, Republic Day, Netaji's Birthday, Swami Vivekananda's Birthday and International Women's Day are celebrated in the institution. NCC Unit celebrates National Yoga Day. Fund is allocated to the Students' Union for different cultural programmes and Annual Fest of college. These serve as important forums revealing organizational skills of students. Recently, on 21st February 2017, the Students' Union organized "International Mother Language Day" in the college campus. Staff Club organizes Farewell Programmes and get together for faculty members. However, no separate room is available for the staff club in the premises. The club operates from the Teachers' Room.



International Mother Language Day Celebration, 21.02.2017



Fig. 4.9. General Teachers' room

Table 4.3
Programmes organized by Staff Club

Sl. No.	Date	Programme	Details
1	31.07.2013	Farewell programme	Farewell Meeting organised in honour of Dr. Tapan Kr. Bandyopadhyay, formerly Associate Professor and Head, Department of Chemistry and Dr. Provat Kumar Mondal, formerly Associate Professor and Head, Department of Political Science.
2	03.10.2013	Get together programme of the faculty members before the commencement of the Puja Vacation	A lunch was organised in which full time and part time faculty members and a member on the non-teaching staff participated.

Sl. No.	Date	Programme	Details
3	05.03.2014	Farewell Programme	Farewell Meeting organised in honour of Dr. Manju Ghosh Chowdhury, formerly Associate Professor, Department of Chemistry and Dr. Rina Mondal, formerly Associate Professor and Head, Department of Bengali.
4	06.08.2014 22.09.2014 27.01.2015 16.04.2015 15.07.2015 02.09.2015	Get together programme and refreshment organised by Staff Club on account of Teachers' Council Meeting	
5	07.12.2016	Farewell programme	Farewell Meeting organised in honour of BipadTaranGorai, formerly Associate Professor and Head, Department of Chemistry, Dr. Biswadeb Chatterjee, formerly Associate Professor and Head, Department of Economics and, Puren Chandra Mondal, formerly Associate Professor, Department of Economics



Fig. 4.10. Dr. Manju Ghosh Chowdhury, formerly Associate Professor, Department of Chemistry and Dr. Rina Mondal, formerly Associate Professor and Head, Department of Bengali., Prof. Achintya Kr Sarkar (ShikshaRatna Awardee), Head Department of Chemistry (2013-2015), President of the Farewell Programme, and Dr. SanatMahato, (formerly Teachers' Council Secretary, Assistant Prof. of Mathematics) during the farewell programme of 5th March 2014

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

Keeping pace with the academic growth of the college, the existing infrastructure has been augmented gradually. The Head of the Institution in consultation with the Teachers' Council has constituted Building sub-committee and Central Purchase Committee to monitor the development of infrastructure in the institution.

Following is the budgetary allocation of grant for infrastructural development under plan head of State Government.

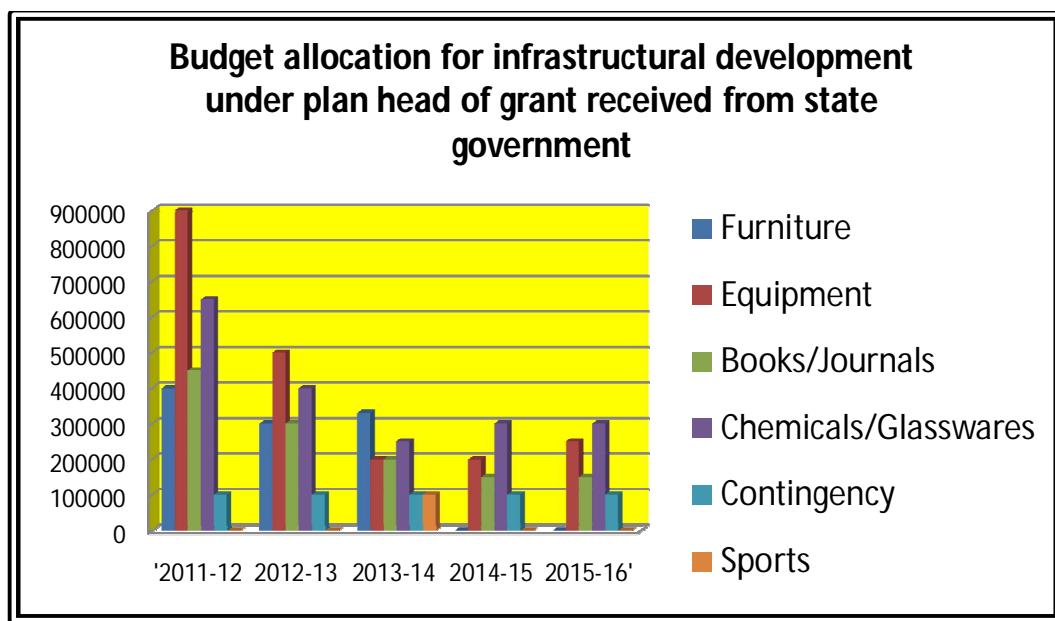


Fig. 4.11. Budget allocation under plan head

State Government specifies the fund allotted under different heads and the institution utilizes the received fund for purchase of items under these heads. It is worth mentioning in this context, that the grants received from state government has declined considerably from financial year 2011-12 to 2015-16. This has greatly affected the overall development of the institution.

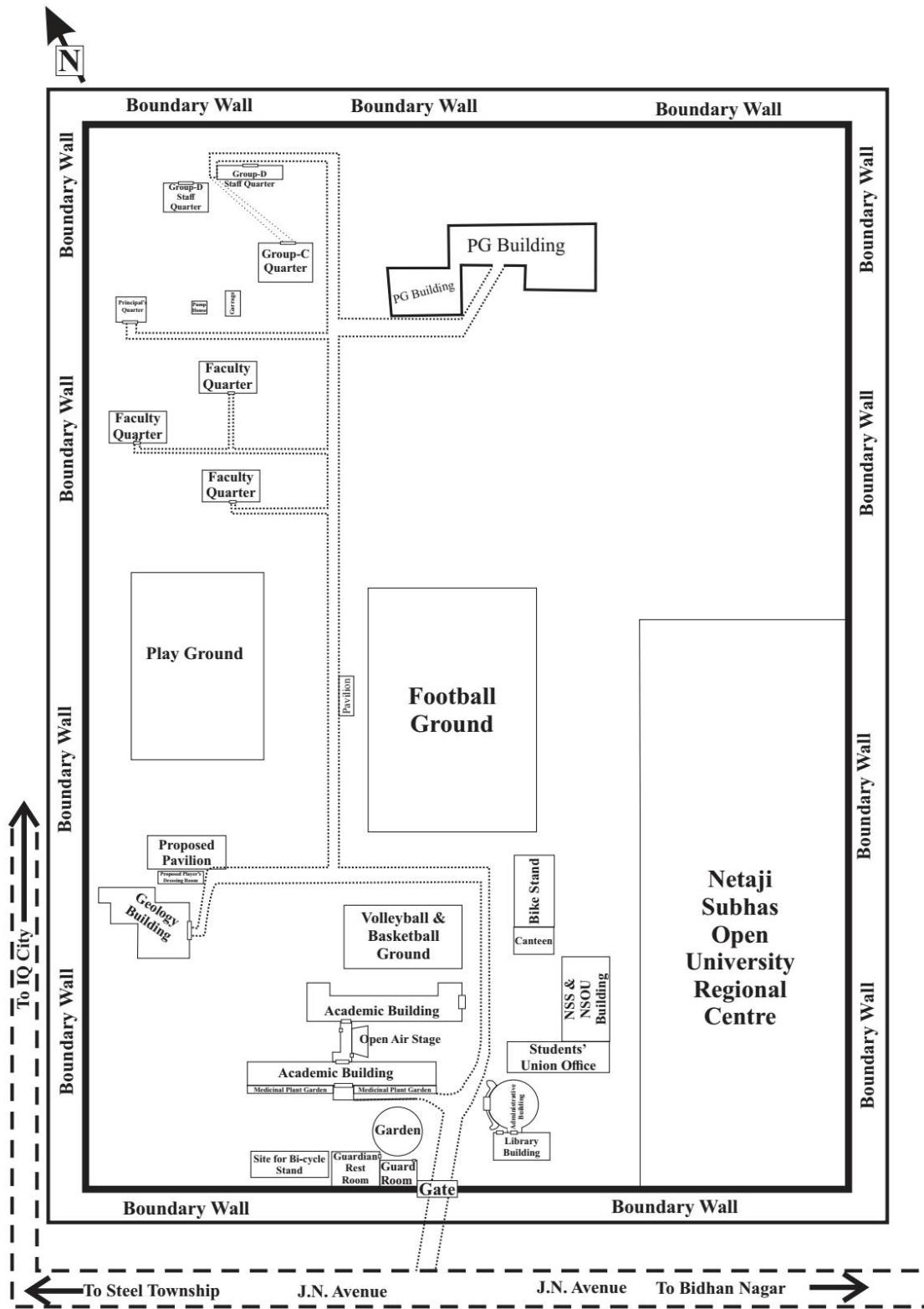


Fig. 4.12: Master Plan of the College Campus

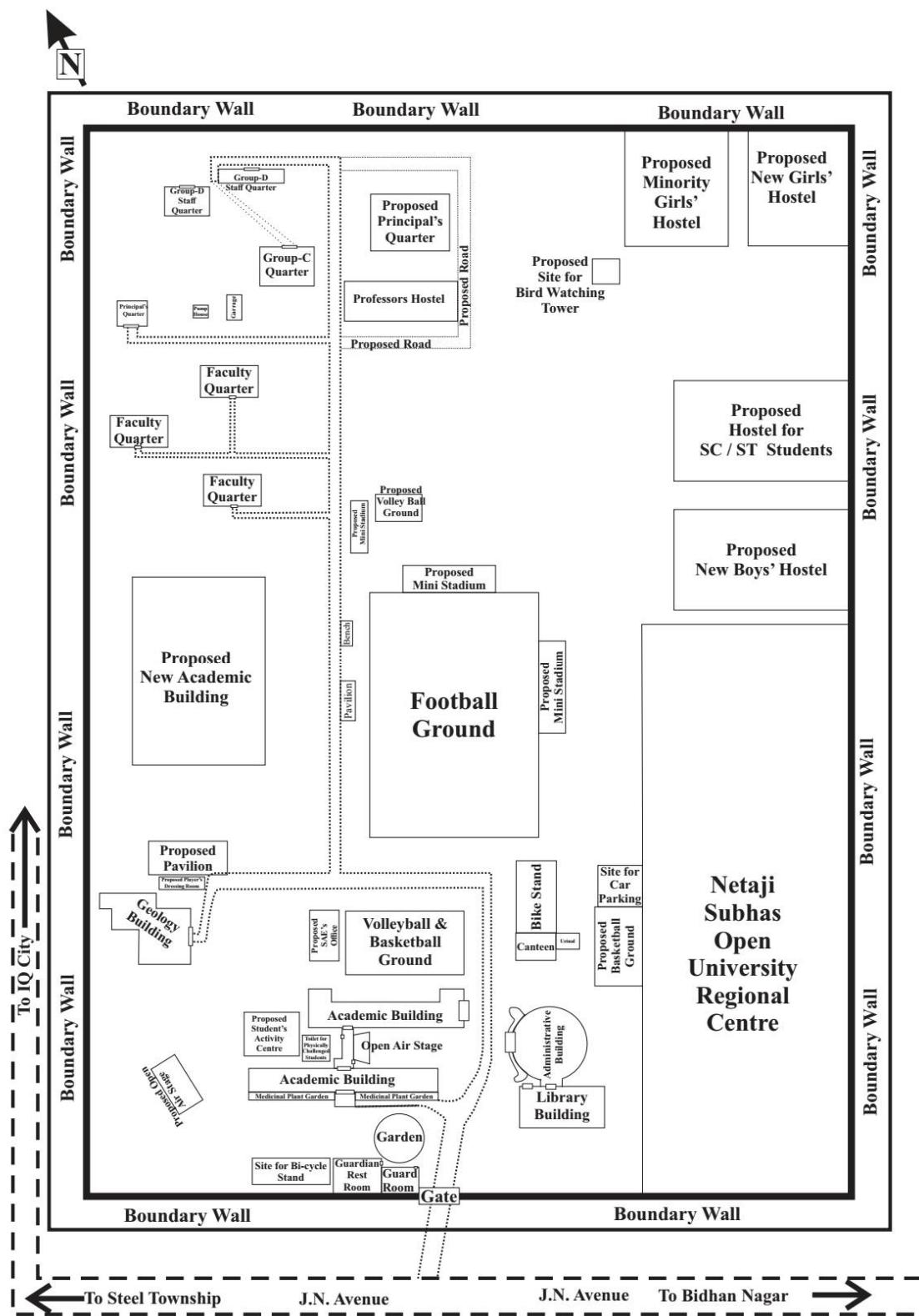


Fig. 4.13: Master Plan including the proposed plan of the college campus [Proposals for indicated areas has already been sent to Government of West Bengal) for approval

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

College ensures some special arrangements for differently-abled students.

- Ramp with padded railing
- Wheelchair
- Proposal has been sent for specially designed toilets for such students

4.1.5 Give details on the residential facility and various provisions available within them

Hostel Facility for students	No hostel facility is available in the institution till date. College has proposed the construction of hostel facilities Some students from reserved category enjoy free accommodation facilities at hostels built especially for such students. Considerable percentage of undergraduate and postgraduate students stay at rented places since the distance between the college and their actual place of residence is not commutable.
Residential facility for the staff	Principal's Residence: Duplex bungalow Teachers' Quarters: 18 number of 3BHK flats Non-teaching Staff Quarters: 12 number of 1BHK flats
Recreational facility	Staff Club provides recreational facility.
Security	24-hour security service is provided at the main entry point of the college. Security guards perform their duties as per their duty schedule. However, the College feels this to be inadequate as the campus involves a huge area with residential facilities. A letter has already been sent to proper authority to obtain permission for appointing guards from private security agencies. The lighting of the campus, elevating the height of the boundary wall need attention. Provision is required for Intercom services.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

College involves a sick room to take care of students and staff in case of medical exigencies. First Aid Box is available in the room. Students suffering from Chicken Pox, Dengue or other communicable diseases are allowed to sit in the sick room during university examinations.

The health care support off the campus is received from the Sub-Divisional Hospital and a number of private hospitals located in the close vicinity of the College. All willing teaching and non-teaching employees of the institution and their family members are assured of their health insurance aspects through the Cashless West Bengal Health Scheme.

4.1.7 Give details of the Common Facilities available on the campus - space for special units like IQAC, Grievance Redressal unit, Women's Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Sl.no.	Common Facilities available	Details
1	IQAC	A room in the ground floor of the main academic Building is allotted for IQAC. Please refer to the details of IQAC in Section 6.5. IQAC of the institution comprises the Head of the Institution, faculty members, and external members.
2	Grievance Redressal unit	No definite space exists for Grievance Redressal Unit. However, a box, marked 'SAMADHAN' (Solution), is fixed on a wall of the College Office where letters relating to grievances of any stakeholder may be dropped. The sub-committee of the Teachers' Council comprises senior faculty members, both male and female, from different wings of the institution and work to address the grievances received.
3	Women's Cell	Cell for Gender Sensitization and Prevention of Sexual harassment against Women at work place. Please Refer to Table 1.5 of Chapter 1 for detailed activities of the cell. The belongings of the cell are housed in room no: 107 of ground floor of the main academic building.
4	Anti Ragging Committee	The Committee has been formed and it works to create awareness against ragging in and off the College premises.
5	Counselling and Career Guidance Placement Unit	The Unit works in this context and organizes orientation course, special lectures and interviews for students.
6	Health Centre	Sick room is available in the premises with First Aid Box facility.

Sl.no.	Common Facilities available	Details
7	Canteen	College Canteen is present in the premises.
8	Recreational spaces for staff and students	Separate common rooms are available for both male and female students in the main academic building. Staff Club has been formed to provide recreational space to the staff members. Staff Club programmes and meetings are carried out in the seminar hall
9	Safe drinking water facility	Water purifiers are available in the College premises.

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

The Principal/Officer-in-charge in consultation with the Teachers' Council constitutes a Library Advisory sub-committee for each academic session.

The composition of the committee for academic session 2016-17 is as follows:

1. Dr.BhumikaKanjilal (Convenor); Assistant Professor of Philosophy
2. Saradee Sengupta; Assistant Professor of Geology
3. Kuntal Bhattacharya; Assistant Professor of Zoology
4. Jayanta Kumar Mitra; Associate Professor of Commerce
5. Nandini Jana; Assistant Professor of History
6. Dr. Prabal Kumar Chattopadhyay; Assistant Professor of Geology
7. Dr. Suchandra Sett Naidu; Assistant Professor of Botany
8. Dr. Nivedita Acharjee; Assistant Professor of Chemistry
9. Kamalica Mukherjee, Assistant Professor of History
10. Pritha Goswami, Assistant Professor of Geology
11. Sujoy Gayen, Assistant Professor of Philosophy
12. Sumana Dutta, Assistant Professor of Zoology

The Library Advisory Committee provides guidance and suggestions related to the improvement of library facilities.

Some of the initiatives which have been implemented are as follows:

- Receiving Demand List from students/faculty members and considering the listed books therein before sending requisition to the purchase section
- Feedback forms for library users
- Increasing subscription of online books/ journals. Seven journals (printed and e-journals) were subscribed during the year 2015-16
- E-books of different subjects to be loaded in the library computers
- Information regarding national talent search competitions, job interviews, scholarships and other relevant information to be displayed on Library notice board.
- Displaying of catalogues of important publishers and newspapers
- Organization of Open-house discussion:Departments have started organizing open-house discussions for slow and advanced learners in the library.
- Initiative for digitalization of Library resources was taken by the institution as proposed by Librarian and the Library Sub-committee in the year 2016. One expert was also invited to provide training to the

faculty members of Library Sub-committee regarding Data entry of KOHA software. The training was initially done to some extent but the total process could not be completed due to lack of funds. Proposal has been sent to the Government of West Bengal for allocation of funds.

- Reprography facility was available in the library in the past, and will be restored shortly.

Following are some of the proposals sent to Officer in Charge for approval by the Library Sub-Committee after analyzing the feedbacks:

- Separate timings to be allotted for different classes to avoid rush and chaos
- Displaying of maps inside the library showing the racks for different subjects/ Labels according to subjects and topics
- Organization of awareness programmes from academic session 2017-2018 to highlight the facilities available to the readers
- Extension of Reading Space.
- Proper preservation of old books which are out of print presently
- Steps to be immediately taken to protect books from damp, worms etc.
- Toilet, drinking water facilities to be made available inside the library for the library users.
- Strict rules to be framed to retrieve books borrowed by students/teachers/any other before they are released from the College.

4.2.2 Provide details of the following

Total area of the library: 517.2 square meter (Ground floor: 258.6 + First floor: 258.6)

Total seating capacity: 20 students at a time

Working hours of Library:

On working days: 8:00AM to 5:00PM (all working days)

During vacation: 11.00 AM to 5.00 PM

[Library remains closed during the holidays prescribed for non-vacational staff by Government of West Bengal]



Fig. 4.14. Library activities

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

Library resources are purchased from the grant received under "Books and Journals" grant of State Government and book grant received from UGC. Central purchase committee works to monitor the release of library grants.

Details of Library resources present in the Central Library

Text books: 76,147 Nos.; Reference books: 3653 Nos.

Total no. of e-books: 25

Total no. of educational CDs: 114

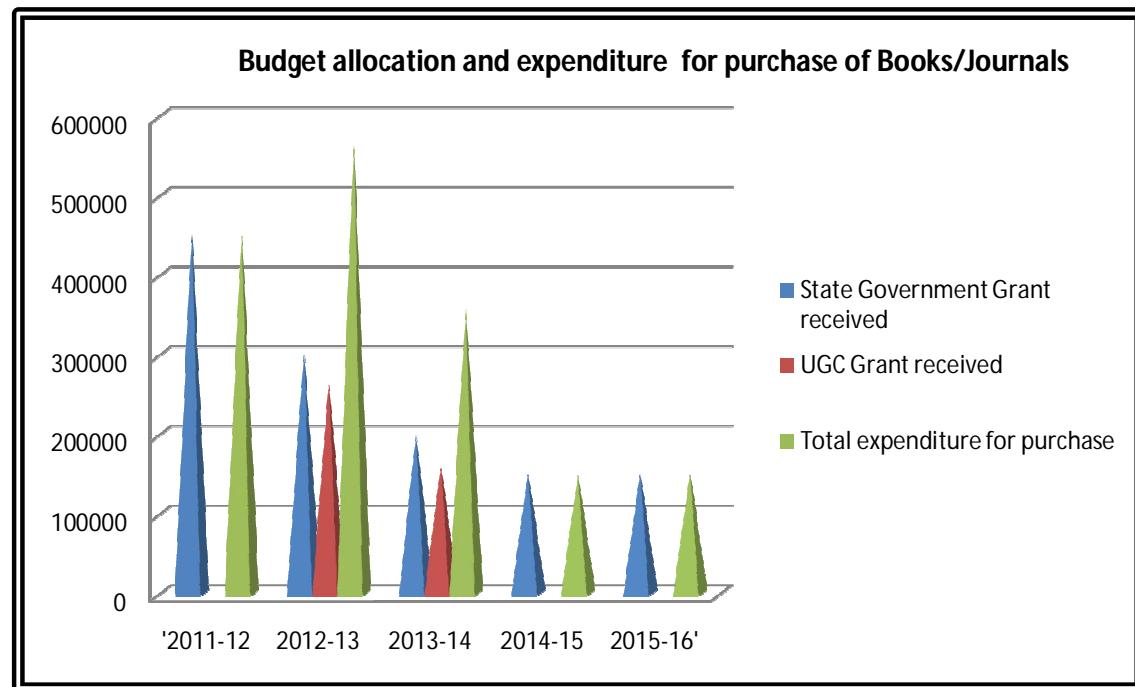


Fig. 4.15. Total budget allocation for purchase of books/journals

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- **OPAC:** Yet to be commissioned
- **Electronic Resource Management package for e-journals:** Yet to be commissioned
- **Federated searching tools to search articles in multiple databases:** Not available
- **Library Website:** The necessary information and notifications related to library are published in the college website.
- **In-house/remote access to e-publications:** Not available
- **Library automation:** KOHA software installation is under process in Library. Library uses Libsys 4 Is starter (rel 6.0) version to archive the books present in the library.
- **Total number of computers for public access:** 03 Nos
- **Total numbers of printers for public access:** Not available
- **Internet band width/speed:**
- **Institutional Repository:** Not available online
- **Content management system for e-learning:** Educational CDs are available in the Library. E-books are available in the library computers. Separate Logbook is maintained for CDs.
- **Participation in Resource sharing networks/consortia (like inflibnet):** Not available

4.2.5 Provide details on the following items

- **Average number of walk-ins:** Around 175
- **Average number of books issued/returned:** Approximately 120
- **Ratio of library books to students enrolled:** 20:1
- **Average number of books added during last three years:** 693 average numbers of text books and 156 reference books have been added to the central library during the last three years.

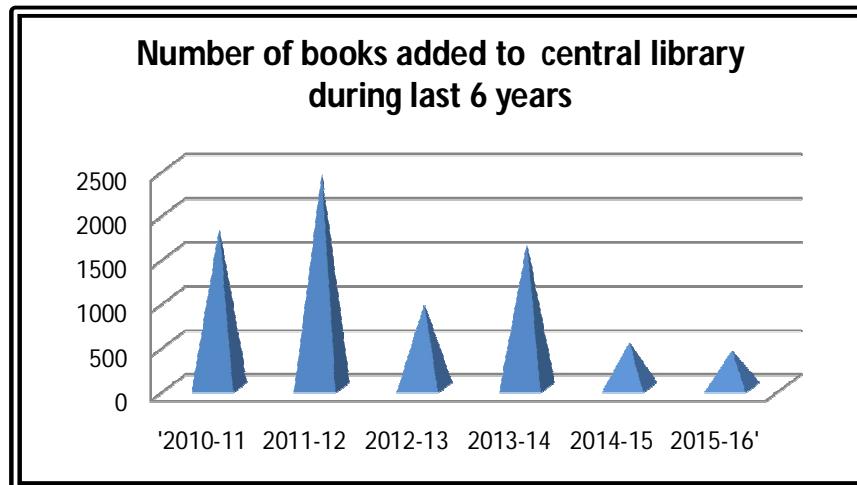


Fig. 4.16. Total No. of books added to central library during last 6 years

- **Average number of login to OPAC:** Not available
- **Average number of login to e-resources:** 15 per day
- **Average number of e-resources downloaded/printed:** 03 per week
- **Number of information literacy trainings organized:** NIL
- **Details of “weeding out” of books and other materials:** The damaged books are not disposed. These are restored as far as practicable. Record of the “weeding out” of books is maintained in the library.

4.2.6 Give details of the specialized services provided by the library

Manuscripts: Not available

Reference: Encyclopedia (Subjects and General), Developmental Reports, Books on Competitive examinations, Fine Arts, Career Counselling are available

ILL (Inter Library Loan Service): Not available

Information deployment and notification:

- Information related to National talent Search Competition, Scholarships, Job interviews are displayed on Library notice board.
- Students can access university results published online by using library computers.
- Library maintains necessary files and notices.

Download: Available

Printing: Not available for public access

Reading list/ Bibliography compilation: Bibliography available, Card Catalogue system is maintained.

In-house/remote access to e-resources: Library computers consist of e-books which can be accessed by all users. Library computers involve open access for students, faculty members, college staff, ex-students and other local visitors.

User Orientation and awareness:

- The library collects the feedback from its users through a structured questionnaire.
- Available library resources for each academic year are published in the AQAR prepared by IQAC of the institution which can be easily accessed from College Website.
- Necessary information and notices are regularly displayed on the library notice board.

Assistance in searching Databases: Not available

INFLIBNET/IUC facilities: Yet to be made available

4.2.7 *Enumerate on the support provided by the Library staff to the students and teachers of the college.*

Library staff is quite cooperative to the students and teachers of the college. They provide assistance to the students and teachers as far as practicable while using the library resources.

- Students use the library resources to prepare environmental studies projects and models for annual exhibitions. They download the necessary information and pictures by using computers and internet facilities available in library.
- Students access the online results from university websites by the assistance of library staff. Students fill online forms by using library computers.

4.2.8 *What are the special facilities offered by the library to the visually/physically challenged persons? Give details.*

Members comprising Library staff are quite cooperative for / extend all types of help to visually/physically challenged persons.

- The Library has audio CDs for visually-challenged persons. However, Braille books are not available in the library. The institution is planning to purchase such books in the next session.
- The visually/physically challenged persons are personally attended to in searching for books and, during any movement inside the library.

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

The library collects the feedback from its users through a structured questionnaire. The formal and informal feedback from users are considered and analyzed by the Library advisory Committee to render the library user-friendly. Demand list from students and received feedback from the users are considered while purchasing new books or journals in the library.

4.3 IT Infrastructure

4.3.1 Give details on the computing facility available (hardware and software) at the institution.

- Number of computers with Configuration

Table 4.4

Department	Computers	Configuration	No.	OS	Printers/Scanner
Principal's Office/Other Committees	Desktop	Intel, i3 Processor 3.1 GHz, RAM = 2GB	2	Windows 7	<ul style="list-style-type: none"> 1 No. HP LaserJet P1102W (Printer) 1 No. HP LaserJet M1136MFP[Printer + Scanner] 1 No. EPSON, M1200 (Printer) 1 No. HP LaserJet: 1020 (Printer)
		Intel, i3 Processor 3.40 GHz, RAM: = 4GB	1	Windows 7	
		Intel Pentium Dual Core, 2.50 GHz, RAM = 3GB	1	Windows 7	
		Intel Pentium Dual Core, 2.50 GHz, RAM = 1.5GB	1	Windows 7	
	Laptop	Intel, Atom, CPUN475; 1.83 GHz, RAM = 2 GB, Lenovo;	1	Windows 7	
Accounts	Desktop	Intel, Pentium D, 3.00GHz, RAM = 2.00 GB	1	Windows 7	1 No. HP LaserJet 1020 (Printer)
Teachers' Room	Desktop	Intel, Pentium D, 3.00 GHz, RAM = 2 GB	3	Windows 7	1 No. HP LaserJet: 1020 (Printer)
Library	Desktop	Intel, Pentium 2.60 GHz, RAM = 1 GB	1	Windows XP	1 No. HP LaserJet: 1018 (Printer)
		Intel, Celeron, 1.80 GHz, RAM = 1 GB	1	Linux	
		Intel, Pentium, Dual Core, 3 GHz, RAM: 2 GB	1	Windows XP	
		Intel, Celeron, 1.70 GHz, RAM = 1 GB	2	Windows XP	

Department	Computers	Configuration	No.	OS	Printers/Scanner
Computer Lab	Desktop	Intel, Pentium D, 2.80 GHz, RAM = 512 MB	1	Windows XP	
		Intel, Celeron, 2.00 GHz, RAM = 512 MB	1	Windows ME	
		Intel, Celeron, 1.80 GHz, RAM = 1GB	2	Windows XP	
		Intel, Celeron, 1.80 GHz, RAM = 2GB	1	Windows XP	
		Intel, Celeron, 2.00 GHz, RAM = 368MB	1	Windows XP	
		Intel, Pentium D 3 GHz, RAM = 2GB	3	Windows 7	
		Intel, Pentium IV 3 GHz, RAM = 1GB	1	Linux	
		Intel, Core 2 Duo, 2.93 GHz, RAM = 2 GB	1	Windows XP	
		Intel, Pentium D 2.20 GHz, RAM = 1GB	1	Windows XP	
		Intel, Pentium D 3.00 GHz, RAM = 2GB	2	Windows XP	
Botany	Desktop	Intel Pentium D, 2.60 GHz, RAM = 2 GB	1	Windows 7	1 No. EPSON K200 (Printer)
		Intel Pentium D, 3.00 GHz, RAM = 2 GB	1	Windows 7	
Chemistry	Desktop	Intel, Core 2 Duo, 2.93 GHz, RAM = 3 GB	1	Windows XP	1 No. HP LaserJet: 1020 (Printer) 1 No. HP ScanJet G2410 (Scanner)
	Laptop	Intel Core i3-2350M, 2.30 GHz, RAM 2 GB	2	Windows 7	1 No. HP LaserJet P1007 (Printer)

Department	Computers	Configuration	No.	OS	Printers/Scanner
Conservation Biology	Desktop	Intel Pentium Dual Core, 2.50 GHz, RAM = 2 GB	1	Windows 7	1 No. HP LaserJet 1010 (Printer)
	Laptop	HP-520; Intel Core Duo, 1.60 GHz, RAM = 1 GB	1	Windows 7	
Geology	Desktop	Pentium G2010, 2.8GHz CPU, 2 Gb RAM,	1		3 Nos. Monochrome LaserJet A4 Printer
		Core i3, 3.1 GHz CPU, 4 Gb RAM,	1		1 No. Canon RGB LaserJet A3 Printer
		Pentium 4, 3 GHz CPU, 512 Mb RAM,	1		Hp Flatbed Scanner: 02
		Celeron, 2 GHz CPU, 512 Mb RAM,	1		
		Intel Atom, 1.6 CPU, 1 Gb RAM	1		
	Laptop	Hp, Model 430, Intel Core i3-2310m, 2.1 GHz CPU, 2 GB RAM	1	Windows 10	
		Hp, Model 450, Intel Pentium B970, 2.3 GHz CPU, 2 GBRAM	1	Windows 7	
		Compaq 420, Intel Core2 duo, 2.1 GHz CPU, 3 GB RAM	1	Windows 7	
Mathematics	Desktop	Intel, Pentium Dual Core, 3.00 GHz, Ram = 2 GB	1	Windows XP	1 No. HP LaserJet P1007 (Printer)
					EPSON STYLUS CX 2800 (Printer + Scanner)
Physics	Desktop	Intel, Pentium IV, 3.00GHz, RAM: 1.25 GB	1	Windows 7	HP Laserjet, P1007 [Printer]
		Intel, i3 Processor, 3.10GHz, RAM: 4 GB	1	Windows 7	EPSON: V-200, [Scanner]
Zoology	Desktop	Intel, Pentium D, 2.50 GHz, Ram = 4 GB	1	Windows 7	1 No. Epson L110 DeskJet (Printer)

- Computer-student ratio:

Sl. No.	Stream/Dept	Total number of students						PG	No. of computers for access
		1st year (H)	2nd year (H)	3rd year (H)	1st year (Programme)	2nd year (General)	3rd year General		
1	Arts	179	330	196	189	339	267	NA	3#
Ratio	Student: Comp	59.7:1	110:1	65.3:1	63:1	113:1	89:1		
2	Science					64	41		6#
Ratio	Student: Comp					10.7:1	6.8:1		
2a	Mathematics	20	22	13*	6			NA	4# + 14*
Ratio	Student: Comp	5:1	5.5:1	3.3:1	1.5:1				
2b	Botany	20	23	17	17			NA	5#
Ratio	Student: Comp	4:1	4.6:1	3.4:1	3.4:1				
2c	Chemistry	19	16	20	18			32	6#
Ratio	Student: Comp	3.2:1	2.7:1	3.3:1	3:1			5.3:1	
2d	Geology	24	23	28	-			31	11#
Ratio	Student: Comp	2.2:1	2.1:1	2.5:1	-			2.8:1	
2e	Physics	18*	23	15	6			NA	5# + 14*
Ratio	Student: Comp	3.6:1	4.6:1	3:1	1.2:1				
2f	Zoology	13	15	15	17			NA	4#
Ratio	Student: Comp	3.2:1	3.8:1	3.8:1	4.2:1				
2g	Conservation Bio	NA	NA	NA	NA	NA	NA	11	5#
Ratio	Student: Comp	NA	NA	NA	NA	NA	NA	2.2:1	
3	Commerce	63	115	170*	30	253	227*	NA	3# + 14*
Ratio	Student: Comp	21:1	38.3:1	12.1:1	10:1	84.3:1	16.2:1		

*Including three computers available in the central library

*These students have computer section included in the course curriculum and classes are undertaken in the computer lab.

- Stand-alone facility:

- LAN facility:

➤ College has developed Optical Fiber (unmanaged) LAN (star topology) networking utilizing the financial support received from the Department of Science and Technology, Government of India under DST-FIST programme.

- LAN is also extended to the two Seminar Halls (and 150+ accommodations).
- Wi-Fi facility: Wi-Fi facility is available in some departments of the institution.
- Licensed software: 0
- Number of nodes/ computers with Internet facility: Total 48 computers have LAN connectivity

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

- Students of science department can access computer and internet facility available in the department and in the Central Library. Students of commerce department can access computer and internet facility in the computer lab. Students of Arts department can access computer and internet facility in central library.
- Faculty members can access computer and internet facilities available in the department, Teachers' room, Central Library, Seminar halls and in Principal's Office.
- Wi-Fi connectivity is available in some departments of the institution.
- Two virtual classrooms are present in the college.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- Allocating funds for digitalization of Library
- Starting collaboration with universities, industries and other institutions for upgradation of IT infrastructure
- Applying for different computation based research projects to the funding agencies for purchase of licensed softwares
- Allocation of funds to procure more advanced high-speed internet facilities

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year-wise for last four years)

Government of West Bengal does not provide any grant for purchase and maintenance of computers. During the last 5 years, the purchase/upgradation of computers and internet facility was done from the DST FIST grant of Rs. 6,00,000/- . 10 computers worth Rs.2,60,000/-, one server worth Rs.1,02,000/-, one printer worth Rs.7, 193/- were purchased from this grant. Networking facilities worth Rs. 1,57,300/- and accessories Rs. 73,507/- were also purchased from this grant. Please refer to Ans: 3.2.6 for details.

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

- Teachers use Microsoft Power point presentations during the lectures to demonstrate different topics. The lectures are demonstrated by the help of LCD projector in the classroom and seminar halls
- Some departments have Wi-Fi facility which helps the students to access online study materials
- Computer lab has been developed for students
- Browsing facilities are available in Central Library for staff and students
- Two virtual classrooms have been developed in the college
- Students are encouraged to prepare computation based projects in the final semester of postgraduate course

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching-learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- Power-point presentations are used for teaching in different departments. This helps in better understanding for some topics compared to the regular chalk and talk method
- Film and Literature is taught as part of the Generic Elective course by the Department of English. Films are screened in the seminar room for students using LCD Projector
- Teachers have downloaded and provided some e-books for library computers. Students get easy access to these e-books
- Internet facility of the institution is used by teachers to download expert lectures and provide to the students by e-mail. This helps in further enrichment of the knowledge of students.
- Postgraduate students present their dissertation work in an open-house presentation using power-point presentations during their final semesters.
- Molecular modelling has been introduced by teachers for preparation of dissertations by postgraduate students using computational chemistry software

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

No, the college does not avail of the connectivity through National Knowledge Network.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

Construction and maintenance of College building is done by the PWD, Government of West Bengal and the fund is allocated directly to PWD. During the year 2015-2016, Rs.13,964/- was the expenditure for maintenance of gas pipeline of Department of Chemistry. The amount was arranged from non-plan head grant of the state government.

Please refer to Table 6.4 of chapter 6 for the total grants received and expenditure under planned and non-plan head during the last 5 years.

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the College?

- The institution has building committee. This committee monitors the repair, maintenance and construction work of the physical infrastructure. The construction and maintenance of building is done by PWD, Government of West Bengal.
- The institution receives fund from State Government under plan head for purchase of furniture, equipment, chemicals/glasswares, books/journals and sport items. The institution also receives fund under non-plan head from State Government. The non-planned funds are used for payments of expenditure related to pay/allowances, electricity, telephone, rent/rates/taxes, office expenses, maintenance, travelling allowances, claims related to West Bengal Health Schemes and other charges applicable. Please Refer to graph provided for Q. 4.1.3 for detailed budget allocation of these heads and Section 6.4 for detailed receipts and payments.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

The calibration and other precision measures for laboratory instruments and equipment are done by faculty members and non-teaching staff of the respective departments. The frequency of such measures are differ for each department and are done as and when required.

4.4.4 *What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?*

- College has three generators to provide uninterrupted power back up supply
- Water supply is managed by PWD, Government of West Bengal
- Maintenance of departmental equipment is done by non-teaching staff and faculty members of the respective departments.

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

NONE

CRITERION – V

STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

The College Prospectus informs students about the following

- Courses Offered
- Intake Capacity
- Admission Procedure: Eligibility criteria, Process of application, counselling etc.
- Fee Structure
- Campus facilities
- List of faculties
- Academic Calendar
- Students' achievements

5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Following types of financial assistances are provided to students by West Bengal State Government:

- **West Bengal Government Merit Cum Means Scholarship Scheme:** This scholarship is provided since 2006-2007, to meritorious students coming from economically weaker families, who have enrolled themselves in one of the State Govt or State Govt aided institutions. Following are the amount of scholarship provided for different levels taught in Durgapur Government College:

Sl. no.	Level	Amount of scholarship received by the student per month	Total quota of scholarships for the whole state
1	UG (Arts)	Rs. 750/-	550
2	UG (Science)	Rs. 900/-	325
3	UG (Commerce)	Rs. 750/-	150
4	PG (Science)	Rs. 1400/-	225

This Scholarship was received by the college and promptly disbursed to the students up to March 2014.

Year	Number of students received scholarship					
	Arts		Science		Commerce	
	Male	Female	Male	Female	Male	Female
2012-2013	02	03	05-UG 11-PG	01-UG 03-PG	01	01
2013-2014	05	10	10-UG 04-PG	04-UG 01-PG	-	-

From the year 2014-2015 onwards, the scholarship is directly disbursed into the students' bank account.

- Post Matric Scholarship of Government for students belonging to SC, ST and OBC category:**

This scholarship is given for SC, ST and OBC students belonging to economically weaker sections. The rate of maintenance allowance provided to the students is as follows. Tuition fees and compulsory non-refundable fees are also paid as per approved rate of the Govt institution.

Sl. no.	Level	Rate of maintenance allowance per month		Ceiling of family income	
		SC/ST	OBC	SC/ST	OBC
1	Undergraduate	300/-	210/-	2.5 lakhs	1 lakh
2	Postgraduate	530/-	335/-		

The institution informs and encourages students to apply for this scholarship at the beginning of each academic session. The sanctioned amount is transferred directly by State Government to the bank account of the students. Renewal of scholarship is required every year. The institution takes every initiative to ensure timely renewal of the scholarship. Following is the number of applications forwarded by the institution for renewal and fresh enrollment for the last four years:

Sl. No.	Year	Course	Number of scholarship applications forwarded to State Govt by the institution for renewal/fresh		
			SC	ST	OBC
1	2013-2014	Undergraduate	333	37	71
		Postgraduate	01	00	02
2	2014-2015	Undergraduate	317	40	90
		Postgraduate	01	00	03
3	2015-2016	Undergraduate	326	44	103
		Postgraduate	00	00	01
4	2016-2017	Undergraduate	237	21	100
		Postgraduate	02	00	02

- **Kanyashree Prakalpa Scheme:** This is a conditional cash transfer scheme started by the State Government in 2013 for girl students. A onetime grant of Rs. 25,000/- is provided to a 18 year old girl with family annual income not more than Rs, 1,20,000/- only.

Sl. No.	Year	Total number of female students whose Kanyashree Prakalpa Grant has been sanctioned (via online portal)
1	2013-2014	197
2	2014-2015	139
3	2015-2016	163
4	2016-2017	Application and enrollment under process

5.1.3 What percentage of students receive financial assistance from state government, central government and other national agencies?

- Please Refer to 5.1.2 for the financial assistance received by students under the schemes of state government.

Financial Assistance received by students from central government and other agencies:

- **UGC:** Three students of Department of Conservation Biology have got Post Graduate Indira Gandhi Single Girl Child Scholarship of UGC from 2013-2015.
- **DST:** Four post graduate students of Department of Chemistry have received INSPIRE fellowship of Department of Science and technology (DST) from 2015-2016 session.
- **Sita Ram Jindal Foundation:** Scholarships were received in 2012 by following students by the SitaRam Jindal Foundation:
-

Sl. No.	Name of the Student	Amount of Scholarship received
1	Debarati Sengupta (Female), Undergraduate	Rs. 3000/-
2	Arindam Ghosh (Male), Undergraduate	Rs. 2400/-
3	Chanchal Mondal (Male) Undergraduate	Rs. 2400/-
4	Swarup Roy (Male) Undergraduate	Rs. 2400/-

- **West Bengal Labour Welfare Board:** Raj Laxmi Mondal, a student of Sanskrit Honours received scholarship of Rs. 2100/- only.

5.1.4 What are the specific support services/facilities available for Students from SC/ST, OBC and economically weaker sections, Students with physical disabilities

- ❖ *Students from SC/ST, OBC and economically weaker sections:*
 - The institution reserves seats for admission to SC/ST and OBC categories as per the government policy. Please ref. to Answer of 2.1.5 for diversity of students admitted during last 5 years.
 - Candidates belonging to SC, ST and OBC Categories receive scholarship under *Post Matric Scholarship of Government*. Tuition fees, non-refundable compulsory fees and maintenance allowance is received by the students under this scheme.
 - Female Students belonging to ST category enjoy free accommodation facilities: Lakshimoni Hembrom, English Honours, IIInd year, receives free accommodation facility at Rani Guidalo Central ST Girls' Hostel, Kabiguru, Satyajit Ray City Centre, Durgapur – 16.
- ❖ *Students with physical disabilities:*
 - The institution reserves seats for admission under physically challenged category as per the government policy.
 - Ramp and wheelchair are present in the institution for these students.
 - The institution has applied for financial assistance to Government of West Bengal for arranging specially designed toilets for differently abled students.
 - A committee has been formed to cater to the needs of differently abled students. The committee keeps record of the differently abled students present in the institution. Following are some of the activities of the committee:
- ❖ *Overseas students:*

Till date, no overseas student has taken admission in the institution. However, the parent university has provisions for absorbing *overseas students* after completing certain formalities like receiving Migration Certificates from the Board/university last attended. Since this is a purely government institution, the college has to fulfill the necessary formalities to admit such students as per the government guidelines.

Specific support services/facilities available for –

- ❖ *Students to participate in various competitions/National and International*
 - The career counselling and placement unit takes every initiative to encourage participation of students in various competitions. On 12th January 2017, students participated in the Quiz Contest on the Life and teachings of Swami Vivekananda at Pranavananda Vidyamandir, Durgapur. Suparna Acharya (B.A. 1st year) and Mehak Bahl (B.A. 1st year) of this college were awarded 2nd prize in the competition. Debosmita Saha Hazra, (1st year Honours, Department of History) and

Kankana Saha , (1st year Honours, Department of English), got the third prize. Sayani Debnath (1st year Programme, Department of English) got the consolation prize.

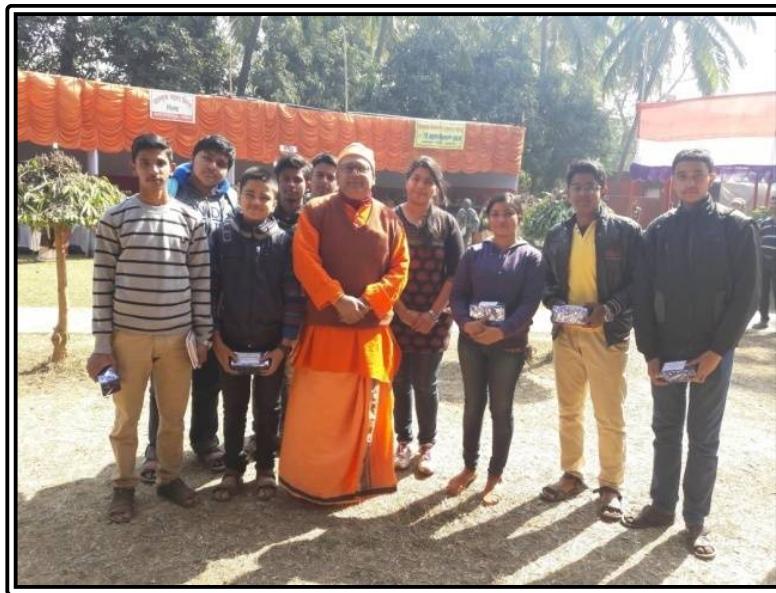


Fig. 5.1. Swamiji of Pranavananda Vidyamandir, Durgapur with the participants of Quiz Competition

- The institution has the Department of Physical Education which prepares the students to participate in different sports competitions. Faculty members help students to prepare their resume for application and provide necessary training and guidance for such activities. Students have performed outstandingly in different sports competitions.
 - Any information received by the college relating to student participation in various National/ International competitions is immediately conveyed to the department/s concerned by the college authority.
 - Individual teachers accessing such information pass on the message to the Students' Activity Cell. Academic guidance, financial support, grooming students for such competitions are provided by individual teachers or members of the Cell.
- ❖ *Medical assistance to students: health centre, health insurance etc.*
In case of medical exigencies, sick room is available. First Aid Box is also available.
- ❖ *Organizing coaching classes for competitive exams*
Departments informally provide necessary guidance for competitive examinations such as School Service Commission, NET, SLET, GATE etc
- ❖ *Skill development (spoken English, computer literacy, etc.)*

The institution has applied for approval to Department of Higher Education, Government of West Bengal to start certificate course in spoken English, computer (basic and advanced), animation, tourism and pottery.

- ❖ *Support for "slow learners"*
 - Slow learners are provided extra care by the faculty members of respective departments
 - Departments organize open-house presentations separately for slow learners in association with the Library sub-Committee where they can narrate their views and problems
- ❖ *Exposures of students to other institution of higher learning/corporate/business house etc*

Faculty members of the institutions have formal/informal collaborations with eminent scientists, academicians and researchers of other institutions. Students are able to interact with these dignitaries through personal contacts of faculty members, expert lectures organized by some departments and also during the seminars and workshops organized by the college and other institutions. Educational tours also provide very good exposure in such areas.



Fig. 5.2. Students of Department of English listening to lectures and taking notes in the Film lab at Roopkala Kendro, Kolkata, Film And Social Communication Institute under Information & Cultural Affairs Department, Government of West Bengal



Fig. 5.3. Indrani Giri, student of Department of English, at the 21st Foundation Day lecture of Centre for Archaeological Studies and Training, Eastern India at ICSSR, Kolkata, 5th November 2016

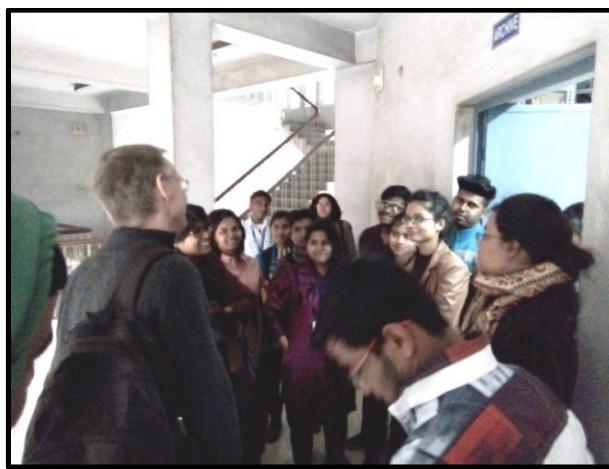


Fig. 5.4. Students of Department of History interacting with expert regarding the history of printed books in Bengal, at Carey Library and Research Centre, Serampore, 16th January 2017



Fig. 5.5. Students of Department of Zoology interacting with experts during visit to Bolpur sericulture farm on 12.02.2015

❖ *Publication of student magazines*

- In the Department of Geology, a student organization, Association for the Culture of Earth Sciences (ACES) was founded on 8th February 1989. The journal of the association *Geolozine*, is published every alternate year: *Joint Editors of Geolozine for the session 2016-17: Ms. Soumita Datta and Ms. Bidisha Dutta* , (M.Sc. Third Semester students)
- NSS has a Wall magazine *Sahas*
- Different departments have Wall magazines maintained by students

5.1.5 *Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.*

- The career counselling and placement unit organizes orientation course to facilitate entrepreneurial skills among the students. Recently, an orientation course was organized by the cell on 20th January 2017. One of the lectures of the course was focused on "Career management and employment strategies" by Prof. Hirak Gupta, Head, Department of Humanities, Asansol Engineering College
 - Department of Chemistry organized One Day seminar on "**Entrepreneurship in Chemistry and related areas**" on 10th February 2017. Dr. Suprakash Roy, Department of Technical Education and Training, Government of West Bengal provided innovative ideas to students regarding set up of small scale industries such as soap, soft drinks, water distillery, preparation of synthetic silk etc.
 - Students are given the freedom to plan and organize programmes such as NSS special camps, cultural programmes, exhibitions etc which helps them to interact with other bodies/agencies to implement their plans thus getting an opportunity to develop entrepreneurial skills. Students groups are formed to encourage development of such skills
1. **Debarghya Sengupta**, a student of the Economics department, is now a successful entrepreneur and professional photographer with his company FRESCO. He has been enlisted as India's Top 50 photographer (under Bride and Groom Category) by "Better Photography" Magazine.
 2. **Aishik Sarkar, student of Economics Department** is a successful entrepreneur. He is the Chief Manager of "BuyCycles".
 3. Two students of the college are running a business in Durgapur very successfully. Restaurant 'Banalata' at City Centre, Durgapur.
 4. The first leader of a team of 100 boys of the first NSS camp organized in 1970 is now one of the top officials of ONGC.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- * additional academic support, flexibility in examinations
- * special dietary requirements, sports uniform and materials
- * any other

Sports

- The institution involves Department of Physical Education to provide all possible support and encouragement to students for participation in sports and games. Students have performed outstandingly in different sports competitions. Please refer to Q. 5.3.1. for details.
- Faculty members prepare training schedule and diet-chart of the students. The eligibility proforma and entry form of students is prepared and sent by the faculty members to the concerned authority for different competitions.
- Physical education subject is taught as General subject and Core Course for different programmes under CBCS Curriculum.
- Faculty Members of Department of Physical Education prepare academic calendar during each academic session and accordingly provide training to students to participate in different competitions.
- Faculty members prepare training schedule and diet-chart of the students. The eligibility proforma and entry form of students is prepared and sent by the faculty members to the concerned authority for different competitions.
- Students are provided jerseys and shorts for different sports tournaments. Sports items of cricket, football, volleyball, basketball and athletics are available in the department for practice.
- Faculty members accompany the students during different inter-collegiate tournaments, District meets and State meet.
- Prizes are given to students during Annual Sports Competition to encourage them



Fig. 5.6. Award Ceremony during Annual Sports 2016-2017. Certificate being given to the students by Officer-in-charge



Fig. 5.7. Officer in Charge holding the torch during annual sports 2017

Quiz and Debate Competitions



Fig. 5.7: Students participating in Debate Competition at Ramakrishna Mission Vidyamandir, Belur

Students of Department of English, Nandana Dasgupta (3rd year Hons), Sonali Kisku (2nd year Hons), Ankita Musib (2nd year Hons), Anushree Mukherjee (2nd year Hons) participated in State Level Debate competition at RamaKrishna Mission VidyaMandir, Belur in January 2017.

Cultural Activities

- Students are given responsibility to organize cultural activities such as "Fresher's Welcome", "Annual Fest", which develops independence and organizational skills.
- Observance of Important days such as "Independence Day", "Republic Day", "Netaji's BirthDay", "Swami Vivekananda's BirthDay", "College Foundation Day", "National Yoga Day", "International Women's Day", in association with NSS and NCC Units. These activities involve active participation from the students.



Fig. 5.8: Freshers' Welcome 2016 organized by Students' Union

5.1.7 *Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.*

Faculty members informally provide necessary help and guidance to students for competitive examinations. Details on the number of students qualified in various competitive examinations have been provided in evaluative report of each department

5.1.8 *What type of counselling services are made available to the students (academic, personal, career, psycho-social etc?)*

- Academic counselling is provided by the departments and/or individual faculty members
- Experts invited by the institution to deliver special lectures also provide advice and academic guidance
- Counselling and Career Guidance and Placement Unit provides guidance to the students

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Yes, The institution has a Counselling and Career Guidance and Placement Unit to prepare the students for different job opportunities.

- The Unit takes initiative to inform the students about different job opportunities through notifications and social networking site Facebook account, "Career Counselling and Guidance and Placement Unit, Durgapur Government College".
- Orientation Course is organized by the Cell for enrichment of skill and knowledge of the students. Resource Persons from different fields delivered lectures in the programmes organized by the cell. These lectures are focused towards grooming of the students.

Details of these lectures are listed below.

Resource Person	Topic
Prof. Hirak Gupta, Head, Department of Humanities, Asansol Engineering College, Asansol	Career Management and Employment Strategies; Lecture delivered on 20.01.2017.
Dr. Imon Paul, Assistant Professor, Department of Psychiatry, IQ City Medical College	Coping Strategies by Young Professionals, Lecture delivered on 20.01.2017
Rev. Father Vincent, Principal, St. Xavier's Scholl, Durgapur	Self Assessment: Career Values, Lecture delivered on 20.01.2017
Prof. Avick Biswas, Centre for Archaeological Studies and Training Institute	Human Evolution and Prehistory, Lecture delivered on 08.02.2017.



Fig. 5.9. Lecture Delivered on 20.01.2017 in the orientation course organized by Counselling and Career Guidance and Placement Unit



Fig. 5.10. First Phase interview by "East India Pharmaceuticals Ltd" for recruitment of final year Chemistry Honours students. (10.01.2017)

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

The Grievance Redressal Cell of the institution has been established in 2016. The Cell has publicized its guidelines and arranged for a grievance redressal box with relevant information provided therein to receive the grievances of students. No grievances have been received so far by the cell. Students' Union works to put forward the grievances of students before the Head of the institution. These are addressed accordingly by the authority.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

Cell for Gender Sensitization and Prevention of Sexual Harassment against Women addresses issues relating to sexual harassment. Please refer to Table 1.5 of Chapter 1 for detailed activities of the cell. The cell has done a survey among the students on 'sexual harassments' at the college level during the annual exhibition on 2 and 3 January, 2017. It plans to start a campaign on the same issue shortly. Besides, the committee members have started class campaigning on gender equality from 31st January, 2017



Fig. 5.11. Teachers and student volunteers in the stall put up by Cell for Gender Sensitization in the annual exhibition in 2012



Fig. 5.12. Resource persons of the NGO SPEED Burdwan in the awareness programme against female foeticide, organized by the Cell for Gender Sensitization and Sexual Harassment (Protection) in 2013

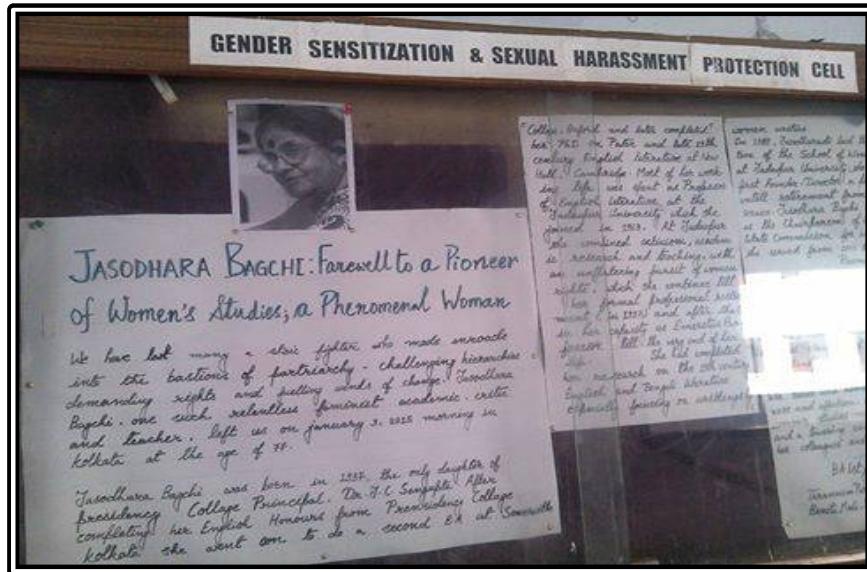


Fig. 5.13. Obituary to Prof. Jasodhara Bagchi on the Display Board of Cell for Gender Sensitization and Sexual Harassment (Protection) in 2015



Fig. 5.14. Member of subcommittee and Student Volunteer for Cell for Gender Sensitization addressing the audience on 8 March, 2016 to commemorate International Women's Day

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

The Anti-ragging committee of the institution was formed in 2016. Meetings of the committee are regularly held and there is an official email id (antiraggingcell.dgc@gmail.com) of the committee which can be used by students for lodging their complaints or grievances. No cases have been received so far by the committee.

Posters for creating awareness among students are regularly put up in and around the campus.



Fig.5.15: Students of English and Bengali departments putting up posters under anti ragging campaign in the college campus



Fig.5.16: Students putting up posters provided by Higher Education Department, Government of West Bengal under anti ragging campaign in the college campus

The Committee plans to do anti-ragging campaigns in the future along with the students enrolled with NSS and NCC for enhancing knowledge and awareness. It is planned that on behalf of the Anti-Ragging Committee (ARC) of the college there will be appropriate presentation during the centralized Orientation Programme with the newly admitted UG & PG students of the forthcoming 2017-18 session. Emphasis will be given to make the newcomer students free from fear or hesitation for speaking out the truth in case they encounter any misbehavior from fellow student(s), and that the college authority will firmly stand in their support.

5.1.13 *Enumerate the welfare schemes made available to students by the institution.*

Kanyashree Prakalpa is a conditional cash transfer scheme for girl students. It was started by Government of West Bengal in 2013 to improve the status and well being of the girl child in West Bengal. A onetime grant of Rs. 25,000/- is provided to a 18 year old girl enrolled in a government recognized or open school/college who has completed 18 years on or after 1st April 2013 and has family income not more than Rs, 1,20,000/- only.

5.1.14 *Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?*

A registered Alumni Association existed in the college for some time. It is to be revived again. The institution does not presently have a registered Alumni Association

5.2. Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Please refer to the student progression data of different departments in the enclosed evaluative report of the departments.

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

DGC = Durgapur Government College

MMMC = Michael Madhusudhan Memorial College, Durgapur

TDB = Triveni Devi Bhalotia College, Burdwan District

Year of Exam	Title of the Programme	No. of students appeared from DGC	Pass%			% of students secured 1 st Class		
			DGC	MMMC	TDB	DGC	MMMC	TDB
2012	Bengali (Hons); B.A.(H)	45	97.7	95.0	88.2	2.2	00	2.0
	Botany (Hons); B.Sc.(H)	09	100		50.0	00		
	Chemistry (Hons); B.Sc.(H)	19	63.2		60.0	21.0		
	Accountancy (Hons); B.Com (H)	75	94.7	49.0	78.6	25.3	2.0	
	Economics (Hons); B.A.(H)	08	87.5		72.2	25.0		
	English (Hons); B.A.(H)	44	97.7	79.0	83.9	6.8	1.0	
	Geology (Hons); B.Sc.(H)	20	100		89.5	50		
	History (Hons); B.A.(H)	34	94.1	58.0	63.2	00	00	
	Mathematics (Hons); B.Sc.(H)	15	46.7	50.0	63.2	13.3	00	
	Philosophy (Hons); B.A.(H)	19	73.7	60.0	52.6	00	00	
	Physics (Hons); B.Sc.(H)	16	87.5		50.0	37.5		
	Political Science (Hons); B.A.(H)	23	78.3		80.5	00		
	Sanskrit (Hons); B.A.(H)	49	91.8		81.8	6.1		
	Zoology (Hons); B.Sc.(H)	10	90.0		63.2	00		
	B.A. (General)	111	100	60.0		00	12.0	
	B.Sc. (General)	16	68.8	61.0		00	4.0	
	B.Com. (General)	150	100	66.0		1.3	9.0	
	M.Sc. (Conservation Biology)	06	100			100		
	M.Sc. (Chemistry)	15	100			100		
	M.Sc. (Geology)	09	100			78.0		
2013	Bengali (Hons); B.A.(H)	44	97.7	76.0	91.1	15.9	3.0	2.4
	Botany (Hons); B.Sc.(H)	13	69.2		84.6	30.8		7.7
	Chemistry (Hons); B.Sc.(H)	18	77.8		28.5	21.1		
	Accountancy (Hons); B.Com (H)	111	94.7	84.0	77.4	25.3	2.0	16.7
	Economics (Hons); B.A.(H)	07	42.9		41.2	00		
	English (Hons); B.A.(H)	35	97.1	88.0	80.6	11.4	1.0	

Year of Exam	Title of the Programme	No. of students appeared from DGC	Pass%			% of students secured 1 st Class		
2013	Geology (Hons); B.Sc.(H)	30	93.3		71.4	46.7		28.6
	History (Hons); B.A.(H)	39	100	58.0	50.0	10.3	00	
	Mathematics (Hons); B.Sc.(H)	18	94.4	100	52.2	22.2	00	4.3
	Philosophy (Hons); B.A.(H)	07	57.0	66.0	63.6	00	4.0	
	Physics (Hons); B.Sc.(H)	20	95.0	85.0	50.0	35.0	00	11.1
	Political Science (Hons); B.A.(H)	37	94.6		90.0	5.4		9.1
	Sanskrit (Hons); B.A.(H)	40	95.0		56.3	2.5		
	Zoology (Hons); B.Sc.(H)	22	90.9		60.0	22.7		5.0
	B.A. (General)	114	100	59.0		00	12.0	
	B.Sc. (General)	12	33.3	60.0		00	00	
	B.Com. (General)	136	136	62.0		1.5	8.0	
	M.Sc. (Conservation Biology)	06	100			100		
	M.Sc. (Chemistry)	15	100			100		
	M.Sc. (Geology)	12	100			83.3		
2014	Bengali (Hons); B.A.(H)	58	82.8	90.0	85.0	1.7	00	2.5
	Botany (Hons); B.Sc.(H)	12	83.3		53.3	25		6.7
	Chemistry (Hons); B.Sc.(H)	27	51.9		33.3	25.9		8.3
	Accountancy (Hons); B.Com (H)	157	72.6	56.0	82.3	22.3	3.0	29.2
	Economics (Hons); B.A.(H)	05	40.0		52.9	20.0		
	English (Hons); B.A.(H)	62	74.2	85.0	48.3	4.8	1.0	
	Geology (Hons); B.Sc.(H)	25	84.0		30.8	72.0		15.4
	History (Hons); B.A.(H)	51	68.6	77.0	68.2	2.0	00	2.3
	Mathematics (Hons); B.Sc.(H)	19	57.9	50.0	63.0	21.1	3.0	7.5
	Philosophy (Hons); B.A.(H)	17	47.1	60.0	25.0	00	00	8.3
	Physics (Hons); B.Sc.(H)	19	52.6	50.0	40.0	15.8	00	
	Political Science (Hons); B.A.(H)	25	72.0		72.2	8.0		11.1
	Sanskrit (Hons); B.A.(H)	55	61.8		47.4	7.3		5.3
	Zoology (Hons); B.Sc.(H)	12	58.3		50.0	16.7		11.5
	B.A. (General)	238	95.4	61		00	02	
	B.Sc. (General)	17	47.1	50.0		00	00	
	B.Com. (General)	142	59.9	65.0		1.4	10.0	
	M.Sc. (Conservation Biology)	06	100			100		
	M.Sc. (Chemistry)	13	100			92.0		
	M.Sc. (Geology)	20	100			90.0		
2015	Bengali (Hons); B.A.(H)	77	80.5	71.0	81.1	1.3	00	5.4
	Botany (Hons); B.Sc.(H)	21	61.9		44.4	14.3		11.1
	Chemistry (Hons); B.Sc.(H)	43	48.8		66.7	20.9		
	Accountancy (Hons); B.Com (H)	191	76.9	70.0	60.1	24.6	3.0	30.6
	Economics (Hons); B.A.(H)	08	87.5		35.7	50.0		
	English (Hons); B.A.(H)	77	66.2	79.0	57.7	2.6	1.0	
	Geology (Hons); B.Sc.(H)	32	78.1		55.6	65.6		11.1
	History (Hons); B.A.(H)	44	59.1	77.0	58.6	00	00	

Year of Exam	Title of the Programme	No. of students appeared from DGC	Pass%			% of students secured 1 st Class		
2015	Mathematics (Hons); B.Sc.(H)	17	64.7	50.0	85.7	35.3	00	7.1
	Philosophy (Hons); B.A.(H)	23	30.4	50.0	80.0	00	00	
	Physics (Hons); B.Sc.(H)	25	48.0	50.0	42.9	16.0		
	Political Science (Hons); B.A.(H)	28	50.0		66.7	3.6		
	Sanskrit (Hons); B.A.(H)	64	48.4		20.0	1.6		
	Zoology (Hons); B.Sc.(H)	19	57.9		32.1	10.5		14.3
	B.A. (General)	286	38.1	63.0		00	00	
	B.Sc. (General)	37	35.1	72.0		00	3.0	
	B.Com. (General)			66.0			8.0	
	M.Sc. (Conservation Biology)	07	100			100		
	M.Sc. (Chemistry)	12	100			92.0		
	M.Sc. (Geology)	10	100			90.0		
2016	Bengali (Hons); B.A.(H)	67	91.0			14.9		
	Botany (Hons); B.Sc.(H)	13	69.2			23.1		
	Chemistry (Hons); B.Sc.(H)	25	40.0			16.0		
	Accountancy (Hons); B.Com (H)	136	72.1			22.8		
	Economics (Hons); B.A.(H)	08	50.0			12.5		
	English (Hons); B.A.(H)	44	65.9			2.3		
	Geology (Hons); B.Sc.(H)	15	80.0			60.0		
	History (Hons); B.A.(H)	42	52.4			2.4		
	Mathematics (Hons); B.Sc.(H)	18	44.4			16.7		
	Philosophy (Hons); B.A.(H)	20	25.0			0		
	Physics (Hons); B.Sc.(H)	17	41.2			11.8		
	Political Science (Hons); B.A.(H)	42	57.1			2.4		
	Sanskrit (Hons); B.A.(H)	57	47.4			5.3		
	Zoology (Hons); B.Sc.(H)	20	30.0			00		
	B.A. (General)	193	39			0.5		
	B.Sc. (General)	24	50.0			29.2		
	B.Com. (General)	290	43.4			2.8		
	M.Sc. (Conservation Biology)	03	100			100		
	M.Sc. (Chemistry)	12	100			100		
	M.Sc. (Geology)	09	100			56.0		

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

- Faculty members adequately equip students who choose to pursue higher levels of education
- Counselling and Career Guidance and Placement Cell grooms and develops employability skills in students

5.2.4 *Enumerate the special support provided to students who are at risk of failure and drop out?*

- Scholarships for different categories of students as detailed in Section 5.1.
- Tutorial classes arranged for students.
- About 50% of students of the institution are girls. Sometimes, they are forced to marry under family pressure and leave studies. At parents-teacher meetings, faculty members try to persuade the parents to allow their daughters continue with their studies.
- Awareness regarding women education is also publicized by NSS Unit and Cell for Gender Sensitization and Protection of Sexual Harassment against Women.
- Teachers personally identify and interact with students who need personal, academic and social counselling.
- Mandatory 75% attendance is followed by the departments and parents are informed and contacted for reasons in case of any discrepancy
- Faculty members monitor the progress of students by Internal assessment, students' database and feedback received. This is discussed in departmental meetings and parents' teacher meetings for students who are at a risk of failure or drop out.

Please Refer Criterion II for further details

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

Sports and games: The institution involves a big campus studded with playgrounds. Department of Physical Education works sincerely to ensure active participation of students in sports and indoor/outdoor games. Separate common room is available for male and female students. Indoor games available in common room are Table Tennis, Carom and Chess.

Details of Participation of students in Sports

Session	Activities	Total number of students involved
2010-2011	Annual Athletic Meet	100
	Indoor and Outdoor Activities (Table tennis, Badminton for men and women, football, volleyball and cricket)	190
	Participation in Inter Collegiate Football, volleyball, Badminton, cricket Tournaments and Athletics Championship	60
	Participation in West Bengal Government College Sports championship	36
	Departmental Exhibition	30
2011-2012	Annual Athletic Meet	95
	Indoor and Outdoor Activities (Table tennis, Badminton for men and women, football, volleyball and cricket)	200
	Participation in Inter Collegiate Football, volleyball, Badminton, cricket Tournaments and Athletics Championship	60
	Participation in West Bengal Government College Sports championship	36
	Departmental Exhibition	30
2012-2013	Annual Athletic Meet	80
	Indoor and Outdoor Activities (Table tennis, Badminton for men and women, football, volleyball and cricket)	150
	Participation in Inter Collegiate Football, volleyball, Badminton, cricket Tournaments and Athletics Championship	60
	Participation in West Bengal State Non Govt and Govt College Sports and Games Championship	05
	Departmental Exhibition	30
	Participation in Burdwan District Inter College Sports and games Championship	35

Session	Activities	Total number of students involved
2013-2014	Annual Athletic Meet	100
	Indoor and Outdoor Activities (Badminton for men and women, football, volleyball.)	200
	Participation in Inter Collegiate Football, volleyball, Badminton and cricket Tournaments and Athletics Championship	60
	Participation in West Bengal Non- Government and Government College Sports championship	41
	Departmental Exhibition	30
	Organization of Burdwan District Inter College Sports and Games Championship	30
2014-2015	Annual Athletic Meet	90
	Indoor and Outdoor Activities (Table tennis, Badminton for men and women, football, volleyball and cricket)	160
	Participation in Inter Collegiate Football, volleyball, Badminton Tournaments and Athletics Championship	50
	Participation in West Bengal Non Government And Government College Sports championship	21
	Departmental Exhibition	30
	Organization of Burdwan District Inter College Sports and Games Championship	30
2015-2016	Annual Athletic Meet	91
	Indoor and Outdoor Activities (Badminton for men and women, football, volleyball.)	156
	Participation in Inter Collegiate Football, volleyball, Badminton and cricket Tournaments and Athletics Championship	46
	Participation in West Bengal Non-Government and Government College Sports championship	20
	District Exhibition	30
	Organization of Burdwan District Inter College Sports and Games Championship	27

No. of students participated	University/Inter-Collegiate Level meet				State Level meet		
	Athletics	Football	Badminton	Cricket	Athletics	Football	Badminton
2010-2011	15	18	02	18	17	18	03
2011-2012	15	18	02	18	12	18	03
2012-2013	13	18	02	18	07	--	--
2013-2014	13	18	02	18	07	--	--
2014-2015	15	18	02	18	05	18	--
2015-2016	12(KNU) 10(BU)	18			04	18	--



Fig. 5.15. Champion in Athletics in Inter Government College Athletics championship, 2011-12



Fig. 5.16. Champion in cricket in 2012 at Burdwan university



Fig. 5.17. Burdwan District Champion In Inter College Football Championship, 2015



Fig. 5.18. Annual sports Meet: Held Every year in the College Campus



Fig. 5.19. Our student (in yellow jersey, 62) finishing run with second position in Burdwan District Sports tournament at Asansol Stadium (Published in Anandabazar Patrika, 12th Feb, 2017)

Cultural and other extracurricular activities:

- Every year, Annual Fest is organized by Student's Union which involves active participation of all students.
- Fresher's Welcome is organized by Students' Union for newly admitted students.

Following cultural programmes were organized by Students' Union Council for last four years:

No.	Date	Programme	Renowned artists/bands who performed in these programmes
1	13.07.2013	Annual Social Programme	Jolly Mukherjee & Prithibi Band
2	18.09.2013	Freshers	partha and Blood Band
3	12.07.2014	Annual Social Programme	Prasenjit Mallick and Bolpur Bluez
4	13.09.2014	Freshers	Mollar and Ankita
5	18.12.2014 & 19.12.2014	Annual Social (Zeal)	Vinod Rathode & Chandni and Rock 2 nesha
6	24.08.2015	Freshers Welcome	Rik Basu and Band

No.	Date	Programme	Renowned artists/bands who performed in these programmes
7	21.12.2015 & 22.12.2015	Annual Social Programme (Gang Bang)	Purnima Shreshtha and Debojyoti and Off Track Boyz
8	24.09.2016	Freshers Welcome (Zeal-I)	Aakash (Bangladesh) and BAND
9	04.01.2017 & 05.01.2017	Annual Social Programme (Zeal II)	Aneek Dhar & Antara Nandy

- Departmental exhibitions are held every year. NSS Unit, Department of Physical Education, Cell for Gender Sensitization and other units also participate in these exhibitions. Students' Union Council organizes prize distribution ceremony of the annual exhibitions
- Important days such as Independence Day, Republic Day, Netaji Jayanti and Swami Vivekananda Jayanti are observed by both NSS and NCC Units. NSS Unit observes World AIDS Day, NSS Foundation Day and also organizes different cultural programmes involving active participation by students. National Yoga day is celebrated by NCC Unit. NCC parades are organized every year during annual sports and University level sports competitions.



Fig. 5.20. Independence Day Celebration, 2015 at Durgapur Government College



Fig. 5.21. Freshers' Welcome organized by Students' Union



Fig. 5.22. Annual Social Programme organized by Students' Union



Fig. 5.23. Nandini Jana, Head, Department of History, and Puren Chandra Mandal, Formerly, Associate Professor, Department of Economics addressing the audience on the occasion of Teachers' Day celebration, 2016 organized by Students' Union

5.3.2 Furnish the details of major student achievements in co- curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

Student Achievements in Sports

2010-2011	Name Of The Student	Events	Position
Inter Government Athletics	Santi Gain	100 m	1 ST
	Chamdima Mishra	200 m	2 ND
	Anjan Biswas	HIGH JUMP	2 ND
	Mousumi Mondal	HIGH JUMP	2 ND
	Baby Saha	SHOT-PUT	1 ST
	Santi Gain Anjan Biswas Somnath Banerjee Amit Mondal	4X100 M RELAY RACE (M)	1 ST
	Chandima Mishra Deepshikha Roy Madhumita Mondal Mousumi Mondal	4X100 M RELAY RACE (W)	2 ND
	Inter Collegiate	SHOT-PUT	2 ND

2011-2012	Name Of The Student	Events	Position
Inter Government Athletics	Santi Gain	100 m 200 m	3 RD 1 ST
	Soma Layek	100 M HIGH JUMP	2 ND 2 ND
	Piyali Barai	HIGH JUMP	3 RD
	Baby Saha	SHOT-PUT	1 ST
	Amit Roy	800M 1500 M	1 ST 3 RD
	Madhumita Mondal	800M	2 ND
	Arindom Chatterjee	B.J.	3 RD
Inter Collegiate	Santi Gain Amit Roy Somnath Banerjee Arindom Chatterjee	4X100 M RELAY RACE (M)	1 ST
	Soma Layek Piyali Barai Madhumita Mondal Chandima Mishra	4X100 M RELAY RACE (W)	2 ND
	Inter Collegiate	SHOT-PUT	2 ND

2012-2013	Name Of The Student	Events	Position
Inter Government Athletics	Arindom Chatterjee	100M	3 RD
Inter-Collegiate	Arindom Chatterjee	LONG JUMP TRIPLE JUMP	2 ND 1 ST
	Saptysarathi Banerjee	HIGH JUMP	2 ND
	Md Arshad Ali	800M 1500M	2 ND 2 ND

2013-2014	Name Of The Student	Events	Position
Inter-Collegiate	Arindom Chatterjee	LONG JUMP TRIPLE JUMP	2 ND 1 ST
	Md Arshad Ali	800M 1500M	2 ND 2 ND
	Saptyasarathi Banerjee	HIGH JUMP	1 ST
2014-2015	Name Of The Student	Events	Position
Inter-Collegiate (Burdwan University)	Partha Das	LONG JUMP	1 ST
	Golok Halder	HIGH JUMP	2 ND
	Bikash Sah	5000M	1 ST
	Tarasankar Jana	DISCUS	2 ND
2015-2016	Name Of The Student	Events	Position
Inter-Collegiate (Burdwan University)	Partha Das	LONG JUMP	1 ST
	Bikash Sah	5000M	1 ST
	Golok Halder	HIGH JUMP	1 ST
Inter-Collegiate (Kazi Nazrul University)	Sraboni Mitra	100M 200M	1 ST 1 ST
	Ruma Ruidas	SHOT-PUT	2 ND
	Sambhu Sarkar	100M 400M	3 RD 1 ST
	Aditya Chatterjee	SHOT-PUT	1 ST
	Prakash Tiwari	SHOT-PUT	3 RD
	Khaleda Yasmin	400M	3 RD
Inter Government Athletics	Partha Das	LONG JUMP	3 RD

2010-2011

- RUNNER-UP IN INTER GOVERNMENT FOOTBALL CHAMPIONSHIP
- CHAMPION IN INTER COLLEGIATE BADMINTON (M) CHAMPIONSHIP
- CHAMPION IN INTER COOLEGIAE CRICKET CHAMPIONSHIP
- INTER GOVERNMENT ATHLETICS (M) CHAMPION

2011-2012

- CHAMPION IN INTER GOVERNMENT FOOTBALL CHAMPIONSHIP
- INTER GOVERNMENT ATHLETICS (W) CHAMPION
- CHAMPION IN INTER COLLEGIATE BADMINTON (M) CHAMPIONSHIP
- CHAMPION IN INTER COOLEGIAE CRICKET CHAMPIONSHIP

2012-2013

- CHAMPION IN WEST BENGAL INTER DISTRICT SPORTS AND GAMES CHAMPIONSHIP IN ATHLETICS (M)
- CHAMPION IN WEST BENGAL INTER DISTRICT SPORTS AND GAMES CHAMPIONSHIP IN ATHLETICS (W)
- **Arindom Chatterjee Participated in All India University Competition in Triple Jump.**

2013-2014

- CHAMPION IN WEST BENGAL INTER DISTRICT SPORTS AND GAMES CHAMPIONSHIP IN ATHLETICS (M)
- RUNNER UP IN INTER COLLEGIATE FOOTBALL COMPETITION (B.U.)

- RUNNER-UP WEST BENGAL INTER DISTRICT SPORTS AND GAMES CHAMPIONSHIP IN FOOTBALL (M)
- **Koustav Ghosh, B.Com Part-I Participated in National level Competition in Power Lifting.**

2014-2015

- CHAMPION IN WEST BENGAL INTER DISTRICT SPORTS AND GAMES CHAMPIONSHIP IN ATHLETICS (M)
- CHAMPION WEST BENGAL INTER DISTRICT SPORTS AND GAMES CHAMPIONSHIP IN FOOTBALL (M)

2015-2016

- CHAMPION IN WEST BENGAL INTER DISTRICT SPORTS AND GAMES CHAMPIONSHIP IN FOOTBALL (M)
- CHAMPION IN WEST BENGAL INTER DISTRICT SPORTS AND GAMES CHAMPIONSHIP IN ATHLETICS (M)
- CHAMPION IN INTER COLLEGIATE ATHLETICS CHAMPIONSHIP (K.N.U)

2016-2017

CHAMPION IN BURDWAN DISTRICT INTER COLLEGE ATHLETIC (M) MEET

Awards received by the institution in Republic Day NCC Parades

Students participate in NCC parades during Republic Day, annual sports and University level sports competitions. College NCC Parade group received awards in Republic Day day parade organized at subdivisional level in Durgapur.

YEAR	Republic Day Parade (Sub Divisional Level)
2010-2011	1 st position
2011-2012	1 st position
2012-2013	1 st position
2013-2014	1 st position
2014-2015	3 rd position
2015-2016	2 ND position

Awards received in Quiz competitions: Suparna Acharya and Mehak Bahl, B.A. 1st year students, got second prize in the quiz competition on 12.01.2017 organized by Pranavananda Vidyamandir, Durgapur.

Awards received in Oral/poster presentations in seminars:

1. Mayukh Mukhopadhyay, (Conservation Biology Department) received second prize for oral presentation at International Conference on Biodiversity & Aquatic Toxicology; Organized by Acharya Nagarjuna University, Andhra Pradesh, 2011.
2. Aparajita Mukherjee (Conservation Biology Department) received 1st prize for best oral presentation in Center for Biodiversity & Conservation of Natural Resources Seminar organized at Koraput, Orissa, 2014

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

Feedback is received from the third year students, parents/guardians, faculty members and alumni. Faculty members discuss and get necessary inputs and suggestions for the overall improvement of the institution from their collaborators of different universities and research bodies. For instance, feedback received on the condition of toilets was taken into consideration and necessary steps were initiated

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

- In the Department of Geology, a student organization, Association for the Culture of Earth Sciences (ACES) was founded on 8th February 1989. The journal of the association *Geolozine*, published every alternate year. *Joint Editors of Geolozine for the session 2016-17*: Ms. Soumita Datta and Ms. Bidisha Dutta, (M.Sc. Third Semester students)
- Wall magazine is published by Department of Botany, English, History, Philosophy and NSS. Efforts are being made to start wall magazines in other departments.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

Yes, college has a Students' Union. The body receives students' fund from Government of West Bengal. Students Council is elected by the students. The Teachers' Council of this institution has formed a sub-committee to supervise the election of the Students' body. Following is the composition of Students' Union.

Name Of The Candidate	Serial No. In Electoral Roll	Unit	Class	Status In The Council
Sanjoy Kumar Roy			OFFICER-IN-CHARGE, DURGAPUR GOVERNMENT COLLEGE	President, Ex-officio
Biswajit Bazari	097	9	3 RD Yr. B.COM. Hons & Regular	Vice-President
Rahul Roy	193	8	3 RD Yr. B.A. Hons & Regular	General Secretary
Avbhijit Mondal	124	9	3 RD Yr. B.COM. Hons & Regular	Assistant General Secretary

Name Of The Candidate	Serial No. In Electoral Roll	Unit	Class	Status In The Council
Abir Roy	274	8	3 RD Yr. B.A. Hons & Regular	Treasurer
Rakesh Das	147	5	2 ND Yr. B.A. Hons & Regular	Assistant Treasurer
Bidhan Nayak	024	9	3 RD Yr. B.COM. Hons & Regular	Joint Cultural Secretary
Barsha Ghosh	060	9	3 RD Yr. B.COM. Hons & Regular	Joint Cultural Secretary
Reetuparna Moni	036	8	3 RD Yr. B.A. Hons & Regular	Joint Cultural Secretary
Akash Gupta	219	5	2 ND Yr. B.A. Hons & Regular	Joint Game Secretary
Akash Rajak	024	3	1 ST Yr (SEM) B.COM. Hons & Regular	Joint Game Secretary
Debarghya Chakraborty	001	7	3 RD Yr. B.SC. Hons & Regular	College Magazine & Literary Secretary
Sk Aslam	171	5	2 ND Yr. B.A. Hons & Regular	Boys' Common Room Secretary
Shraboni Mitra	007	4	2 ND Yr. B.SC. Hons & Regular	Girls' Common Room Secretary
Sk Murad	140	6	2 ND Yr. B.COM. Hons & Regular	Students' welfare and Social Service (inclusive of students' aid Fund) Secretary
Vikky Singh	030	3	1 ST Yr (SEM) B.COM. Hons & Regular	Canteen Secretary
Mithu Paul	169	6	2 ND Yr. B.COM. Hons & Regular	Computer in charge
Bishal Saha	008	1	1 ST Yr (SEM) B.SC. Hons & Regular	MEMBER
Arpita Dey	014	1	1 ST Yr (SEM) B.SC. Hons & Regular	MEMBER
Rajita Mukherjee	013	1	1 ST Yr (SEM) B.SC. Hons & Regular	MEMBER
Barsha Chakraborty	015	1	1 ST Yr (SEM) B.SC. Hons & Regular	MEMBER
Moumita Ghosh	016	2	1 ST Yr (SEM) B.A. Hons (Economics)	MEMBER
Chandrani Das	016	2	1 ST Yr (SEM) B.A. Hons (Bengali)	MEMBER
Dipak Mondal	118	2	1 ST Yr (SEM) B.A. Hons & Regular	MEMBER

Name Of The Candidate	Serial No. In Electoral Roll	Unit	Class	Status In The Council
Chanchal Mallick	084	2	1 ST Yr (SEM) B.A. Hons & Regular	MEMBER
Souvik Sardar	046	3	1 ST Yr (SEM) B.COM. Hons & Regular	MEMBER
Bishnupriya Ojha	035	3	1 ST Yr (SEM) B.COM. Hons & Regular	MEMBER
Souvik Bose	002	4	2 ND Yr. B.SC. Hons & Regular	MEMBER
Arindam Paul	080	4	2 ND Yr. B.SC. Hons & Regular	MEMBER
Pallabi Roy	030	4	2 ND Yr. B.SC. Hons & Regular	MEMBER
Samarpita Mondal	177	5	2 ND Yr. B.A. Hons & Regular	MEMBER
Suvhajit Ghosh	213	6	2 ND Yr. B.COM. Hons & Regular	MEMBER
Indrajit Roy	171	6	2 ND Yr. B.COM. Hons & Regular	MEMBER
Soma Kar	018	7	3 RD Yr. B.SC. Hons & Regular	MEMBER
Archana Chakraborty	017	7	3 RD Yr. B.SC. Hons & Regular	MEMBER
Moumita Gandhi	004	7	3 RD Yr. B.SC. Hons & Regular	MEMBER
Subir Thakur	245	8	3 RD Yr. B.A. Hons & Regular	MEMBER

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

General Secretary, Students' Union is a member of the Governing Body of the institution

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

The institution networks and collaborates with the Alumni and former faculty through personal meetings and contacts, social networking sites and different social and cultural events. Feedback from alumni is also received for suggestions regarding the overall improvement of the college. One of the alumni is the member of IQAC of the institution. Past students participate in the Annual Fest, Fresher's Welcome and other celebrations in the college.

Any other relevant information regarding Student Support and Progression which the college would like to include.

NONE

CRITERION – VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

The College was established in 1969 by the Government of West Bengal with a vision to provide scope for quality higher education in the gradually emerging industrial town of Durgapur. The focus is on overall personality and skill development in a healthy academic atmosphere inside classrooms and on campus. A lot of thought goes in organizing activities for cohesion among staff and students hailing from diverse socio-cultural and economic background.

Durgapur Government College while possessing region-specific characteristics, reflects singular features for being the only public-funded institution initially in the entire Bardhaman district region and now in Durgapur.

- A low fee structure and with merit as the main determinant in admission, students from various socio-economic background get a chance to avail the benefits of quality education. It is not an elite institution catering to the needs of a select few at a high cost.
- The best kind of education is received from faculty selected by the Public Service Commission
- The policies adopted by the institution are mostly in concurrence with government policies focusing on the welfare of the masses. In true sense, it is inclusive education bringing within its fold, diversity.
- Since it is the only public-funded institution in the entire Durgapur region, it takes upon itself the onus of reflecting and upholding the socio-cultural heritage of the land. This is reflected not only in the cultural programmes of the institution but also in giving preference to the regional language in the Newsletter, *Sangbartika*.
- The institution aims to take care of the intellectual, social, economic and emotional needs of students belonging to all sections of society irrespective of religion, caste, gender or economic status.
- Student friendly approaches to teaching and learning are adopted as far as practicable. The institution further aims to introduce advanced computer-aided methodologies for teaching and learning activities.
- Preparing students for the competitive world to avail job opportunities and research positions is encouraged in all respects. The Career Counselling and Placement unit works in this respect.

- Encouraging research activities of students and faculty members is one of the main objectives. The institution aims to increase collaborations with eminent scientists/academicians and researchers.
- Women empowerment and education is one of the primary goals. The total student strength consists of about 50% of female candidates. The Cell for Gender Sensitization works sincerely in this respect.
- The overall personality development of students is ensured by encouraging their active participation in NSS, NCC, Sports and cultural activities.
- Improving the available facilities for differently abled students is also one of the objectives of the college.
- The institution has initiated steps to introduce certificate courses for skill development in Communicative English, basic and advanced computation, Tourism and Pottery to offer scope for entrepreneurship and also to help in obtaining jobs outside the region.
- Developing a sense of discipline and dedication in every aspect of life is prioritized in the institution. The activities of especially the NSS unit stand proof in this regard.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

- Durgapur Government College is an establishment of the State Government and comes under direct governance of the Higher Education Department and the Education Directorate, Government of West Bengal.
- The Government of West Bengal regulates year-wise budget allocation under the Plan and Non-plan heads for the College as well as enjoys absolute authority in all appointments, confirmation, career advancement, and transfer of Principal/Officer-in-Charge, Teachers and Non-teaching staff.
- Participation in any Educational programme, Staff Development Programme, and academic foreign tour of the Principal/Officer-in-Charge and teachers of the College come under the purview of their approval.
- The composition of the Governing Body is as follows:
 - ✓ Sub-Divisional Magistrate, (Durgapur Sub-Division),
 - ✓ Nominees of the Director of Public Instruction, Education Directorate,
 - ✓ Nominees of Hon'ble Vice Chancellor of the affiliating University,
 - ✓ Executive Engineer, Social Sector, PWD, Asansol Division, Asansol.
 - ✓ Executive Engineer (PWD, Burdwan Electric Sub-Division),
 - ✓ Teachers' representatives,
 - ✓ Non-Teaching staff representative,
 - ✓ General Secretary, Students' Union.

The governing body involves members from administration, academics, technical field, faculty, non-teaching staff and students' section. These

sections work together for the institutions' developmental activities and render suggestions on the future planning within the framework of Government directives.

- The Principal/Officer-in-Charge provides leadership in creating a positive working environment and implementation of the government policies. Being the head of the institution, he/she plays the primary role in developing the organizational structure, formulating and implementing the strategy of development in consultation with the Teachers' Council and Heads of the departments.
- The Teachers' Council of the college is a platform to discuss all academic and related issues, and acts as the advisory body to the Principal/Officer-in-Charge. The Principal/Officer-in-Charge in consultation with the Teachers' Council nominates different committees for planning and implementation of different academic, student administration and related policies for smooth running of the college. This reinforces a decentralized governance system. Following are the different sub-committees which have been nominated by Teachers' Council in the academic session 2016-17:
 - Admission Sub-Committee
 - University Examination Sub-Committee
 - College Annual Examination Sub-Committee
 - Tabulation Sub-Committee
 - Routine Sub-Committee
 - UGC PFMS and Seminar Proposal Sub-committee
 - Library Sub-Committee
 - Student Union Election Sub-Committee
 - Sub-Committee for West Bengal Health Scheme
 - Student disciplinary and student aid Sub-committee
 - Sub-committee for games and sports
 - Canteen Sub-committee
 - Journal and publication Sub- committee
 - Cultural Sub-committee
- The Internal Quality Assurance Cell (IQAC) monitors the academic activities of the College. It designs the plans relating to future academic growth and sustenance of quality.
- The members of non-teaching staff of the college also play a vital role in running and improvement of the College administration. Governing body consists of one non-teaching staff member.

6.1.3 What is the involvement of the leadership in ensuring:**❖ *the policy statements and action plans for fulfillment of the stated mission?***

At the institutional level, the IQAC monitors policy statements and action plans in consultation with the Principal. The monitoring is done in different ways:

- ✓ Seeking report on the progression in the work of sub-committees
- ✓ Sudden visits to departments, the General Staff Room to ensure that faculty members are present and that classes are being held following the Routine
- ✓ Appreciation and acknowledgement of work done
- ✓ Holding of meetings, mailing notifications
- ✓ Time spent in the Staff Room with teachers to be alert about the goings on in the institution

❖ *formulation of action plans for all operations and incorporation of the same into the institutional strategic plan*

The Teachers' Council of the College after detailed discussion formulates the action plan as per the guidelines defined by the Higher Education Department, University Grants Commission and the affiliating University. The Head of the institution in consultation with the Teachers' Council constitutes different academic and administrative committees and sub-committees for successful implementation of the approved plan. The strategies are then implemented at ground level with active cooperation and feedback of all the stakeholders.

❖ *Interaction with stakeholders*

- The Teachers' Council is the strongest forum of faculty members which plays a vital role for the designing and implementation of the policy statements. The Head of the institution interacts with the Teachers' Council to address the academic, administrative and other relevant issues of the institution
- The Students' Union is a body representing students. It holds conversations with the college authority on behalf of the students of the college
- Alumni provide feedback and suggestions to the authority. IQAC involves representation of alumni and external members of different sections
- Parent-teacher meetings are arranged in different departments. Feedback from parents and their suggestions are also considered by the institution
- Head of the institution and faculty members keep in constant touch with the University for Implementation of curriculum, academic calendar, conducting of examinations, scripts evaluation etc

❖ ***Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders***

Feedback from different stakeholders (Students, Teachers, Parents, and Alumni), examination results, demand ratio, and drop-out rates are considered for policy and planning. The formal and informal input from and interactions with eminent academicians/ scientists and researchers provide support for policy and planning. Discussions and suggestions of the peer group are also considered for policy and planning.

❖ ***Reinforcing the culture of excellence***

The institution strives towards perfection by paying attention to minute details in all the activities undertaken. Complacency is thoroughly discouraged and goals are set with the aim of transcending them. The attention given to reinforcing the culture of excellence is ensured by applying for research projects and grants to different funding agencies such as UGC and DST. Faculty members send research manuscripts to national and international journals for the favor of publication to test the excellence of the performed research work.

❖ ***Champion organizational change***

The institution is a government college and is under the direct administrative control of Government of West Bengal. Recruitment, promotion, transfer and other administrative affairs are controlled by the Government.

The institution however enjoys the autonomy to constitute IQAC, and different sub-committees. These committees are reconstituted during different academic sessions. The institution aims to offer a perfect balance of experience, skill and dynamism in each committee.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

- IQAC undertakes survey and prepares annual report based on the findings.
- The Head of the institution sends proposals to Higher Education Department for improvement of the institution.
- Teachers' Council holds meetings to monitor and evaluate the policies and plans of the institution.
- Feedback from different stakeholders is considered for evaluation.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The institution strictly ensures that each and every faculty member has representation in different academic and administrative committees. Teachers' Council constitutes different sub-committees. Each committee has one or more conveners who are accountable for the activities of the committee under defined area. IQAC involves a senior faculty member as coordinator and 8 to 10 faculty members as its members.

Faculty members lead different academic processes of the institution. Some of these processes include:

- Preparing routines
- Preparing teaching assignments and lesson plans
- Implementation of the methods of teaching and learning.
- Use of computer aided technologies for teaching and research
- Decision regarding schedule of field work, educational tours and excursions.
- Decision regarding schedule of class tests and other internal evaluation processes of the institution.

6.1.6 How does the college groom leadership at various levels?

The institution gives responsibilities to teachers and students for the management of different academic and administrative affairs.

- **IQAC:** Internal Quality Assurance Cell involves representation of 8 teachers, one non-teaching staff, external members and alumni. IQAC monitors the overall development of the institution, prepares annual report and provides suggestions for further improvement.
- **Teachers' Council:** It is the statutory body of teachers. The Secretary is elected by teachers for each academic session. Different sub-committees are nominated by the Teacher's Council. These committees involve academic affairs such as admission, examination, evaluation, library work etc as well as administrative affairs such as Tax related work, discipline maintenance, purchase, cultural activities, gender sensitization etc.
- **Students' Union:** The Students' Union is an elected body which ensures a democratic, cultural, student friendly academic atmosphere in the institution.

Students organize annual exhibitions and cultural programs such as *Annual Fest, Freshers' Welcome, Teachers' Day* and are given responsibility to organize the observation of important days such as Independence Day, Republic Day, Netaji Jayanti, Swami Vivekananda Jayanti.

- **Governing Body:** Faculty members, non-teaching staff and General Secretary, Students' Union are members of the Governing Body of the institution.
- Seminars, workshops, conferences, NSS and NCC activities are organized by faculty members and students which provide platform to groom leadership and organizational skills.

6.1.7 *How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?*

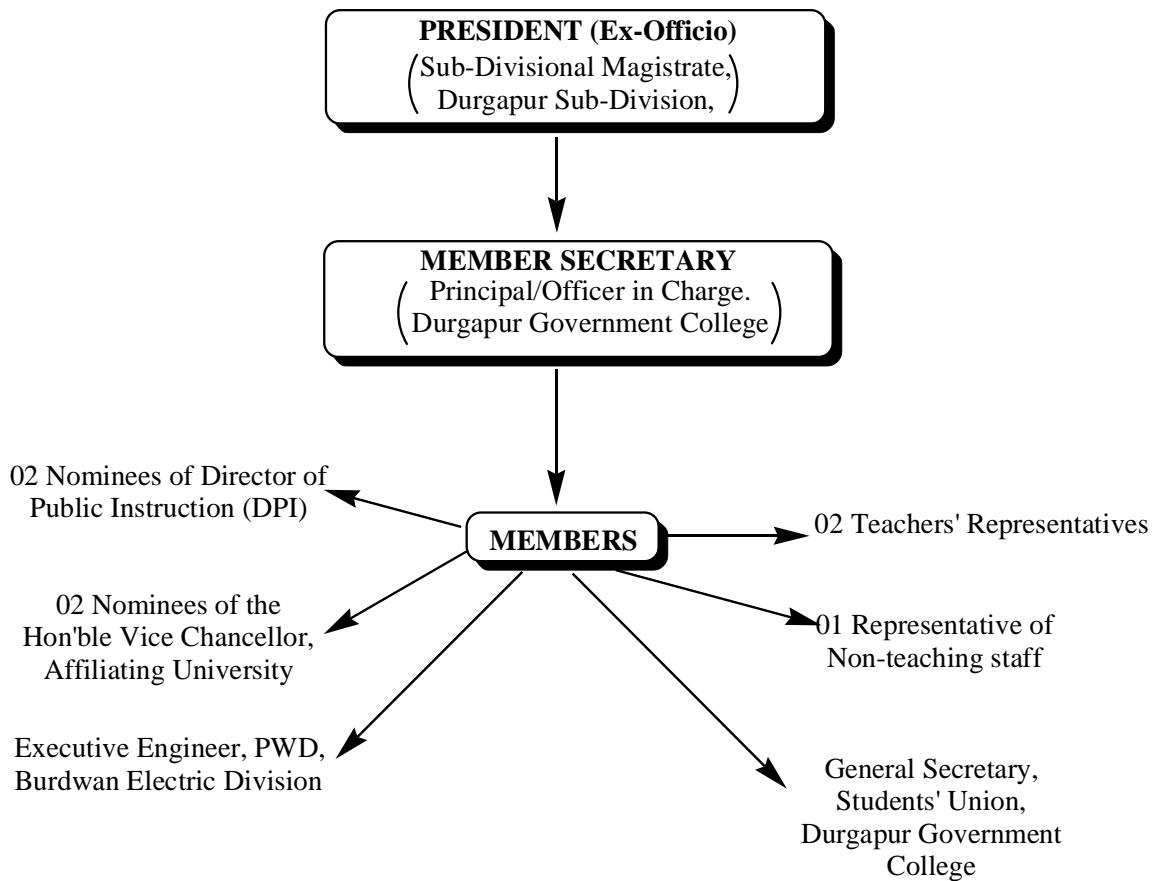
- The Departments have liberty to
 - Prepare routines,
 - Distribute teaching assignment,
 - Decide the schedule of class tests
 - Frame Question papers for internal assessment examinations
 - Decide the schedule of university practical examinations in consultation with the university appointed external examiner
 - Organize Seminars
- NSS and NCC Programme Officers are appointed by the Head of the Institution. These units enjoy autonomy for different activities.

6.1.8 *Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.*

Yes

- Composition of the Governing body (as shown below) reflects the culture of participative management.

COMPOSITION OF GOVERNING BODY, DURGAPUR GOVERNMENT COLLEGE



- Teachers' Council nominates the members of different sub-committees to look after different almost every aspect of management in the institution.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

The College is a government institution. The administration is fully controlled under the prescribed guidelines and policies of state government. The institution follows an inclusive policy without compromising with the quality. Head of the institution maintains close interaction with the Department of Higher Education, Government of West Bengal and the affiliating University. The quality policy is developed, driven, deployed and reviewed by participative management of Teachers' Council, IQAC and Students' Union.

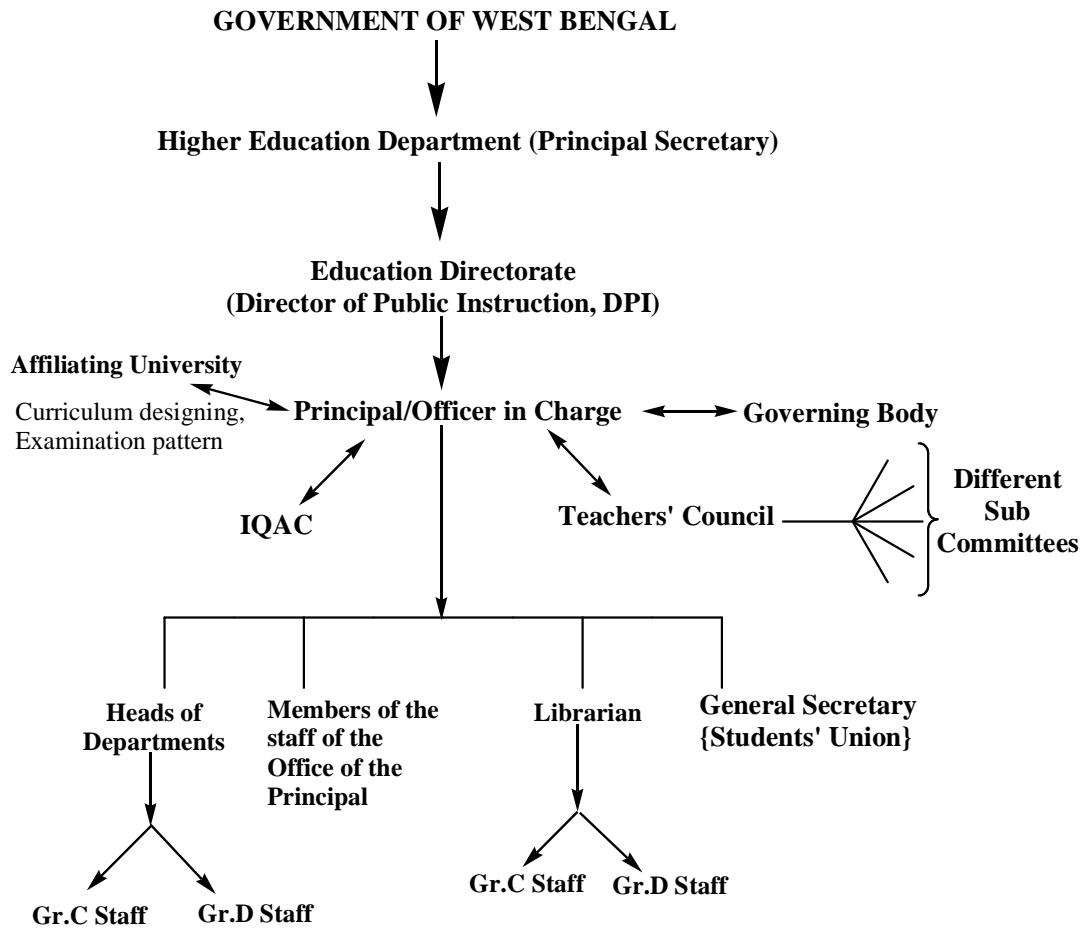
- Student friendly approaches to teaching and learning process is adopted.
- Use of computer aided technology is encouraged for teaching, learning and research activities.
- IQAC works to promote quality teaching, research, extension related, co-curricular and extracurricular activities.
- Different sub-committees have been constituted to look after of almost every aspect of the institution.
- Career Counselling and Placement Unit provide guidance in career options to the students.
- NSS, NCC and sports activities are given encouragement and importance in the institution.
- College Library is enriched text books, reference books, educational CDs, e-books etc. Digitalization of Library is in progress.
- Different scholarships are provided to students to sustain and improve quality.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes,

- Construction of new buildings to provide more academic space
- Construction of Hostels
- Cheap Store
- Expansion of the Central Library
- Digitalization of Library
- Upgradation of staff room
- Provision for spacious auditorium with a seating capacity of around 300 people

6.2.3 Describe the internal organizational structure and decision making processes.



- The institution is a government college and is fully controlled by the rules, regulations and policies of government of West Bengal.
- Recruitment, promotion, transfer and other service related matters of staff are fully controlled by Government of West Bengal.
- Curriculum designing and examination pattern is decided by the affiliating university.
- The institution involves participation of Governing Body, IQAC, Teacher's Council, non-teaching staff and Students' Union for implementation of the policies and guidelines

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- **Teaching & Learning**
 - Improvement of computer aided methods of teaching and learning

- Enrichment of central library and departmental seminar libraries
- Encouraging field work and organization of educational tours
- Proper evaluation of students in terms of internal assessment
- Providing high speed internet facilities to staff and students
- Improving the undergraduate and postgraduate laboratories to provide more working space and infrastructural facilities.
- ***Research & Development***
 - Encouraging faculty members to undertake major and minor research projects
 - Encouraging faculty members to submit manuscripts to national and international journals
 - Increasing the subscription of journals in the central library
 - Purchasing research oriented books for both Central Library and departmental seminar libraries.
 - Improving the central instrumental facility
 - Disbursement of received research funds for purchase of items without delay
 - Motivating the departments to organize seminars, conferences and workshops.
- ***Community engagement***
 - Encouraging participation of students in NSS unit
 - Encouraging different NSS activities for the benefit of community
 - Observation of important days such as Independence Day, Republic Day, Netaji's Birthday, Swami Vivekananda's Birthday, National Yoga Day, World Aids Day etc in association with the community.
- ***Human resource management***
 - Faculty members are encouraged to participate in different staff development programmes.
 - Different sub-committees have been nominated by Teachers' Council to ensure academic and administrative experience of faculty members.
 - Students are encouraged to participate in educational tours, excursions, field tours etc to increase their skill and experience.
 - Postgraduate students are encouraged to complete research based projects during their final semesters followed by open-house presentations to increase their research experience and communication skills.
 - The institution is planning to start certificate courses in communicative English, computation, tourism and pottery and has applied to the government for approval.
- ***Industry interaction***
 - Career Counselling and Placement Unit is working to facilitate industry interaction and campus recruitments for students.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The activities of the institution are reviewed by the Head of the institution by following aspects:

- Consultation with IQAC and reports prepared by IQAC
- Feedback from Teachers' Council
- Feedback from Head of the Departments
- Feedback from Students' Union
- Feedback from Office Staff
- Report from different sub-committees
- Feedback received from different stakeholders
- Performance of faculty members is obtained from self appraisal report obtained during promotion through career advancement scheme.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

- Representation of teaching and non-teaching staff in IQAC and different sub-committees nominated by the Teacher's Council
- Head of the Departments have the liberty to run and organize their departmental activities in consultation with the faculty members.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Record of Teacher's Council Meetings during the last year

SI. No.	Date of the Meeting	Time of Meeting	Agenda	Resolutions
1.	11.02.2016	12.00 noon	1. Confirmation of the last meeting 2. Detail discussion related to NAAC and AQAR 3. Matters arising	1. Minutes of the last meeting confirmed. 2. SSR and AQAR preparation is in process.
2.	10.03.2016	12 noon	1. Confirmation minutes of the last meeting 2. Discussion related to academic matter 3. Discussion regarding present position of AQAR and SSR 4. Matters arising	1. Minutes of the last meeting confirmed. 2. College would be taken by the election commission for DCRC for that UG classes would be suspended. 3. SSR and AQAR preparation is in process.

Sl. No.	Date of the Meeting	Time of Meeting	Agenda	Resolutions
3.	14.3.2016 (EMERGENCY MEETING)	12 noon	Fixing date of Suspension of classes for DCRC	UG classes would be suspended from 22 nd March, 2016 for DCRC but PG classes would continue.
4.	22.3.2016 (EMERGENCY MEETING)	12 noon	Discussion relating to UG Part-1 Examination of KNU	<ol style="list-style-type: none"> UG Part-1 Examination of KNU sifted to other venue but teachers would provide examination duty to that venue. UG classes suspended from 22.03.16 to 09.05.16 for DCRC.
5.	07.05.2016	11.30 am	<ol style="list-style-type: none"> Confirmation of the Minutes of the last meeting Discussion relating to undergraduate syllabus and examination pattern of KNU for the coming academic year Discussion relating to admission of the next academic year Matters arising 	<ol style="list-style-type: none"> Minutes of the last meeting confirmed. Discussion related to CBCS of KNU and detailed analysis of pros and cons of this system and asked all departments to provide their views to OIC. Admission process will be start after publication of WBHS result.
6.	02.09.2016	12 noon	<ol style="list-style-type: none"> Confirmation of the minutes of the last meeting. Discussion related to academic matters of First Sem. Under CBCS and Routine. Discussion related to SSR Teacher Selection as Co-ordinator to different students' committee Report of different sub-committee regarding their functions/ performance 	<ol style="list-style-type: none"> Minutes of the last meeting confirmed. Departmental working routine to be prepared by all departments for 1st sem students for puja vacation. OIC declared the names of teachers as teacher-coordinator for different students' committees.
7.	16.11.2016	2 pm	Selection/Election of TCS for academic year 2016-17	. Debasish Maitra, Associate Professor of Department of Commerce elected as secretary of Teachers' Council unanimously.
8.	24.11.2016 (EMERGENCY MEETING)	12 Noon	Related to NAAC matters	. Manjari Ghosh and Dr. Nivedita Acharjee selected as joint coordinator of NAAC committee

Sl. No.	Date of the Meeting	Time of Meeting	Agenda	Resolutions
9.	7.12.2016	12 noon	<ol style="list-style-type: none"> Confirmation of the minutes of the earlier meeting of Teachers' Council Formation of different Sub-Committees for the academic session 2016-17 Matters arising 	<ol style="list-style-type: none"> Minutes of the last meeting confirmed. Different subcommittees formed unanimously for the academic session 2016-17.
10.	3.1.2017	12 noon	<ol style="list-style-type: none"> Confirmation of the minutes of earlier meeting of Teachers' Council Discussion related to student union election Discussion related to Environmental Studies Discussion related to NAAC Matters arising 	<ol style="list-style-type: none"> Minutes of the last meeting confirmed. Tentative Students' union election schedule has fixed. Joint Coordinators of NAAC committee reported SSR preparation is in process. Dr. Bhumika Kanjilal, Nandini Jana and Saradee Sengupta have given the added duty to take care of the library.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

No, there is no such provision

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

The institution involves Grievance Redressal Cell, Anti Ragging Committee and Cell for Gender Sensitization and Protection against sexual harassment of Women. Grievances can be lodged to these units verbally, through letters, by e-mail or by phone. No grievances of sexual harassment or ragging were reported during the tenure of this report. Grievance Redressal Cell was formed in 2016 and it has not received any cases of grievance so far. Grievances of teachers and non-teaching staff are placed in the Teachers' Council and also communicated to the Head of the institution. These are addressed accordingly.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

Yes; Students feedback are analyzed by following aspects:

- Assessment of HOD and faculty members of different departments
- Assessment of the Teachers' Council
- Assessment by IQAC

These assessments reflect the students' needs and views on the adopted teaching/learning methods and the existing infrastructure of the institution.

6.3 Faculty Empowerment Strategies

6.3.1 *What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?*

- Teachers are encouraged to participate in refresher courses, orientation programmes, short term courses, workshops and other faculty development programmes
- The institution encourages teachers to pursue their PhD for professional development and necessary formalities such as no-objection certificates for registration and submission are forwarded by Head of the institution without delay
- There is provision for a preparatory day per week as per Government order for research/library work
- Teachers are always encouraged and provided duty on leave to participate in seminars, workshops and conferences
- Teachers are members of IQAC, different sub-committees, NSS and NCC units. This increases their academic, social, cultural and administrative experience for professional development
- Internal transfer of non-teaching staff between academic departments and office is practiced to enhance their experience

6.3.2 *What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?*

- Teachers attend different faculty development programmes such as orientation programme, refresher course, summer school, winter school, short term courses and workshops. The participation of faculty members is mandatory for their promotion under career advancement scheme prescribed by Government of West Bengal. Their applications for duty on leave to participate in these programmes are recommended by the respective Head of departments and promptly forwarded by the Head of the Institution to the Department of Higher Education, Government of West Bengal
- Research committee and IQAC work together to motivate the teachers to submit research proposals to the funding agencies
- The institution organized one seminar, workshop and a conference to motivate the teachers and students and enrich their knowledge

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

- Every year, the evaluation and performance of each and every staff is reflected in the Annual Confidential Reports (ACR) prepared by Head of the Institution.
- Performance based appraisal of faculty members is done under career advancement scheme. The rules, regulations and format for application are framed by Department of Higher Education, Government of West Bengal. The filled in applications of teachers in the prescribed format are verified by IQAC and recommended to Head of the Institution. Then, the applications are reviewed and recommended by Screening/Selection Committee and then sent to Higher Education Department, Government of West Bengal for final approval.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

- Performance Based Appraisal Reports are considered for promotion of faculty members as per rules of the government.
- IQAC reviews the applications and provides its suggestions to the faculty members for improvement and inadequacies if any.
- The review process by IQAC is communicated to the faculty through discussions and suggestions by IQAC coordinator and members.
- The decision for promotion after recommendation by IQAC, Head of Institution and the Screening/Selection Committee is fully controlled by Government of West Bengal.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- Employees have the option to get enrolled under **West Bengal Health Scheme** and avail the benefits as and when required.

Financial Year	Number of employees (Both teaching and non-teaching staff) benefitted from West Bengal Health Scheme	Mode of Medical Benefit
2012-2013	10	Amount of expenditure was reimbursed to the employees' bank account.
2013-2014	29	
2014-2015	09	
2015-2016	20	

- All Employees are covered under General Provident Fund (GPF) scheme of Government of West Bengal
- All Employees are covered under Group Insurance Savings Scheme (GISS)

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

The institution is a government college and has no scope of re-employment since the administration is fully controlled by Department of Higher Education, Government of West Bengal.

Durgapur Government College, being a full-fledged government institution has faculty members from the West Bengal Educational Service (WBES) and West Bengal Senior Educational Service (WBSES) who may be transferred to other institutions or deputed on some other duty in the interest of the public. Therefore, the institution does not have any power to retain eminent faculty. However, the Head of the institution may convince the government that a particular teacher is indispensable for the college. The college strives to attain excellence in academics and all related fields by improving and upgrading its infrastructure to attract eminent faculty

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

Being a Government College, it is primarily governed and guided by the financial rules and regulations of the Government of West Bengal. A number of committees consisting of teaching and/or non-teaching staff are constituted every year to ensure purchase of equipments, books and furniture etc. in true and fair way. The usage of such resources is kept in line and checked, tracked, or noticed effectively with the help of the following administrative and academic committees:

- **Tender committee:** The main function of the Tender Committee is obtaining the most favorable terms for acquisition of goods, work and services required for the institution's main activities on the principles of competitiveness, transparency and team decision making. They will also make the necessary recommendations to the Principal.
- **Central purchase committee:** This Committee shall act for purchase of articles in bulk subject to the rules regarding delegation of executive powers in force. The requirements of various departments received by the college office shall be consolidated and placed before for scrutiny. The Committee will then recommend for calling of quotations and will refer to the Tender committee.
- **Research committee:** This committee is constituted to examine how various schemes/projects received by the college from the University Grants Commission (UGC) have to be utilized for better and more focused way.
- **Library committee:**
 - To guide the Librarian in formulating general library policies and regulations which govern the functions of the library.
 - To provide for proper documentation services and updating the Library collection.
 - To work towards modernization and improvement of Library and documentation Services.
 - To formulate policies and procedures for efficient use of Library resources.
 - To seek feedback on Library functions from readers.
- **Internal Quality Assurance Cell:** The Internal Quality Assurance Cell (IQAC), an autonomous body of the college, was established as per the guidelines of the UGC for conscious, consistent and catalytic improvement in the performance of the institution.
- **Tax related committee:** The Committee members are closely involved in every aspect of the tax related matters of the college.

Apart from the aforementioned committees, the following significant mechanisms are also used simultaneously to monitor the financial activities:

- Appropriate tendering process is ensured to maintain fairness in purchase related matters.
- Salary is billed compulsorily through the online HRMS as per the Government regulations.
- Financial resources are received directly into bank accounts and the State Government has introduced the mechanism of e-pradan/HRMS thereby making the system computerized.
- Records of purchases, bill and cheque registers, stock books, scholarship registers showing receipts and payments are maintained properly and regularly updated.
- Cash book is also well-kept for recording day to day cash transactions of the college.
- All the financial activities of the college are kept tabs on by the DDO.
- The Governing Body of the college also sometimes recommends proposals for the effective utilization of financial resources.
- Auditing is done periodically as per the Government instructions and stipulations are met.

6.4.2 *What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.*

Being a Government college, more or less the entire process of audit work is conducted by the office of the Principal Accountant General, Government of West Bengal.

- The utilization certificate and statement of expenditures as per prescribed formats, are submitted to the concerned authorities in due time.
- The grants received by the State Government and others are audited by the Audit and Accounts Section of the office of the Principal Accountant General, Government of West Bengal, the sole audit authority for Government organisations, at a regular interval.
- They conduct detailed audit of all section of accounts periodically.
- The last audit was conducted by the office of the **Principal Accountant General**, Government of West Bengal, in the month of December, 2014, for the period **01.12.2012 to 30.11.2014**.
- In the audit report, the audit team have mentioned the following three major areas, where further attention is required in order to comply the Government rules and regulations:
 - Expenditure on installation of solar power plants and street lighting system: It is the opinion of the Audit team that expenditure incurred for installation of solar power plants and street lights and repair and renovation of such did not function in the right way in the expected life span of the system.

- Excess payment of leave salary: They have reported that early action for recovery of the excess payment to the tune of Rs.1.87 lakh on account of leave salary need to be taken.
- Non return of college library books by students and retention of books by the faculties/staff for long.

Compliance

Necessary actions have been taken on emergency basis for the compliance of excess payment of leave salary and non-return of college library books.

1. Per se, no monetary objections were given on solar power plants and street lighting system. As objections were given on function of the system, the college authority informed this matter to M/S Unmesh Marketing agency, 1/34, 1st Sepco Township, Durgapur – 713205, the vendor, several times in written form (vide office memo no. DGC/15/280/Order, dated 08.04.2015) and verbally to reconstruct the same. But, unfortunately the vendor company is unresponsive till date. The college authority is now planning to proceed for legal steps against the vendor company through higher authority.
2. Regarding excess payment of leave salary to the tune of Rs.1,87,113/- in favour of Prof. Manju Ghosh Chowdhury, retired teacher in chemistry, it is noted that the amount has already been deposited into the Government Account through State Bank of India, City Centre Branch, Durgapur, for Durgapur treasury (vide journal no. 22447332, dated 11/04/2015).
3. Steps have been taken to return the books form the students, staff and faculties by issuing distinct and individual notices. A large number of books have already been retrieved.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

- The institution receives annual non – planned and planned funds for development purposes primarily from the Government of West Bengal.
- Apart from these, additional grants for specific purposes are also received from the UGC, by the College occasionally for the same purpose.
- The details of receipts and disbursement thereof under plan head, which had been received from the Government of West Bengal and UGC, are being listed below. The utilization certificates for such had already been submitted to the concerned authorities in due time. Records are available for perusal.

Table 6.1

Details of receipts and payments under plan head (in Rs.) for last 05 years
Year: 2011 – 12

Items	Funding Agency	Receipts	Payments	Balance
Furniture	State Government	4,00,000	3,97,394	2,606
Equipment	State Government	9,00,000	8,99,379	621
Building	State Government	-----	-----	-----
Books & Journals	State Government	4,50,000	4,50,000	NIL
Chemicals & Glass ware	State Government	6,50,000	6,45,329	4,671
Contingency	State Government	1,00,000	88,974	11,026
Sports	State Government	-----	-----	-----

Year: 2012 – 13

Items	Funding Agency	Receipts	Payments	Balance
Furniture	State Government	3,00,000	3,00,000	NIL
Equipment	State Government	5,00,000	4,99,801	199
Building	State Government	-----	-----	-----
Books & Journals	State Government	3,00,000	3,00,000	NIL
Chemicals & Glass ware	State Government	4,00,000	3,94,654	5,346
Contingency	State Government	1,00,000	94,981	5,019
Sports	State Government	-----	-----	-----

Items	Funding Agency	Receipts	Payments	Balance
Equipment	UGC	2,62,500	2,62,500	NIL
Books & Journals	UGC	2,62,500	2,62,500	NIL

Year: 2013 – 14

Items	Funding Agency	Receipts	Payments	Balance
Furniture	State Government	3,30,000	3,29,947	53
Equipment	State Government	2,00,000	1,99,900	100
Building	State Government	-----	-----	-----
Books & Journals	State Government	2,00,000	2,00,000	NIL
Chemicals & Glass ware	State Government	2,50,000	2,49,658	342
Contingency	State Government	1,00,000	99,930	70
Sports	State Government	1,00,000	99,992	08

Items	Funding Agency	Receipts	Payments	Balance
Equipment	UGC	1,57,500	1,57,500	NIL
Books & Journals	UGC	1,57,500	1,57,500	NIL

Year: 2014 – 15

Items	Funding Agency	Receipts	Payments	Balance
Furniture	State Government	-----	-----	-----
Equipment	State Government	2,00,000	1,99,158	842
Building	State Government	-----	-----	-----
Books & Journals	State Government	1,50,000	1,48,047	1,953
Chemicals & Glass ware	State Government	3,00,000	2,99,863	137
Contingency	State Government	1,00,000	99,886	114
Sports	State Government	-----	-----	-----

Year: 2015 – 16

Items	Funding Agency	Receipts	Payments	Balance
Furniture	State Government	-----	-----	-----
Equipment	State Government	2,50,000	2,50,000	NIL
Building	State Government	-----	-----	-----
Books & Journals	State Government	1,50,000	1,50,000	NIL
Chemicals & Glass ware	State Government	3,00,000	2,97,345	2,655
Contingency	State Government	1,00,000	99,999	01
Sports	State Government	-----	-----	-----

- The expenditures on state government non planned funds are made as per availability of fund through treasury complying Government directions. The proper utilization of such funds received from the State Government is evaluated through aforementioned external audit authority through prior approval of Government.

Details of the fund provided for the last five years are listed below:

Details of receipts and payments under non-plan head (in Rs.)for last 05 years

Year	Funding Agency	Amount (Rs.)
2011-12	State Government	4,22,65,500.00
2012-13	State Government	5,27,29,000.00
2013-14	State Government	6,22,95,700.00
2014-15	State Government	3,97,58,750.00
2015-16	State Government	9,67,60,649.00

The non planned funds are had – in – mind to meet the following items:

1. Pay and Allowances,	6. Other charges,
2. Electricity,	7. Maintenance,
3. Telephone,	8. Travelling allowances,
4. Rent, Rates and Taxes	9. Claim related to West Bengal Health Scheme, 2008.
5. Other office expenses,	

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

For securing additional funding separate proposals are placed to the Government as well as UGC. For instance, in terms of infrastructural development/upgradation/maintenance, the college submits project-wise proposals duly vetted by the Public Works Department (PWD) to the Higher Education Department, Government of West Bengal.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

Yes, the institution established an Internal Quality Assurance Cell (IQAC) on 02.07.2007.

Institutional Policies with regard to quality assurance:

1. Academic improvement with an eye on excellence for each department and individual faculty members
2. Cultivation of employable and life skills and communicating the significance of entrepreneurship among students
3. Improving the performance of students in competitive examinations
4. Sensitization of students and staff on different cross cutting issues such as gender, inclusion, environment to ensure holistic development
5. Active participation of students in co-curricular and extra-curricular activities
6. Organization of seminars, conferences, special lectures in the institution and increasing collaborations with different institutes to ensure the exposure of students and staff to advanced learning and research activities

Questionnaire is provided by IQAC to the departments to collect the following information:

- a. Number of classrooms (with seating capacity) and laboratories in the department, available teaching aids, books and reading space available in seminar library, innovative methods of teaching (if adopted)
- b. Faculty strength, number of administrative and technical staff, number of vacant posts of teaching and non-teaching staff, facilities available for teaching and non-teaching staff, participation of faculty members in faculty development programmes, seminars, conferences and workshops, research activities of faculty members
- c. Enrollment of students, percentage of drop out (if any), economic background of the students, scholarships and freeships received by students, performance of students in university examination, participation of students in extension related, co-curricular and extra-curricular activities, student progression to higher studies
- d. Feedback received from all stakeholders

The information received from the questionnaire is analysed by the members of IQAC. A brief report along with the suggestions is provided to the Head of the institution.

IQAC in consultation with the Head of the institution schedules departmental visits to verify the documents, provide suggestions, advice based on the summary of information received from feedback.

Contribution of the institutional policies in institutionalizing the quality assurance processes

1. IQAC suggested faculty members to get involved in research activities and generate funds. Consequently, different major and minor research project grants were received by the institution which has resulted in improvement of the quality of research work. DST-FIST grant was received by the grant for development of infrastructure
2. IQAC provided suggestions to start certificate and skill development courses in the institution. From 2007 to 2011, UGC-Career Oriented Programme "Certificate Course in Corporate Communication", was run by Department of English. Entrepreneurship Development Cell of the College was established and run in collaboration with National Entrepreneurship Network (NEN) from 2008 to 2011. College has also applied for approval to introduce certificate courses in *Communicative English, tourism, animation and pottery* to Department of Higher Education, Government of West Bengal
3. IQAC suggested to initiate steps for career counselling, guidance and placement of students. A committee has been formed for these activities. The committee organizes special lectures for grooming of students to impart the idea of entrepreneurship and develop employable and life skills. It has organized first phase interview for job recruitment. The committee plans to organize training programmes for students in different reputed institutes
4. IQAC provided the basic information regarding faculty development programmes to the freshly recruited faculty members. IQAC forwards and recommends the applications of faculty members to participate in faculty development programmes after ensuring that the regular activities of the college are not hampered as far as practicable
5. IQAC suggested the use of computer aided technology for teaching. Computer Lab, LCD projectors in some departments and seminar halls, Networking facilities in the college campus and Virtual classroom have been arranged
6. IQAC suggested to organize seminars, conferences and expert lectures in the college. this has been implemented effectively during the last academic session
7. IQAC suggested to provide every possible guidance and support to the students for active participation of students in NSS, NCC and sports. Students of this institution have performed outstandingly in sports. NSS and NCC units are working quite sincerely in the college

8. IQAC suggested tutorial classes to some departments which have been implemented
9. IQAC suggested to obtain feedback from library users in prescribed forms which has already been implemented
10. IQAC emphasized to increase the interaction of students and teachers beyond the class hours. This has been implemented effectively in the college. Social networking sites are also being used by departments to provide necessary information to the students
11. IQAC suggested the organization of Parent-Teacher meetings in departments which has been implemented'
12. IQAC emphasized basic computer training for administrative and technical staff for effective documentation of office records. Officer in Charge himself took the initiative to provide training to the staff. Consequently, the administrative staff are now able to perform online data entry for filling university examination forms, different scholarship forms and other related work
13. IQAC suggested to emphasize physical fitness of students and increase participation in sports. Consequently, students have performed outstandingly in different university and state level sports tournaments
14. IQAC suggested to make the campus differently abled friendly. Ramp, wheelchairs have been arranged in the college. Proposal for specially designed toilets has also been sent to the Government for approval. A committee formed to cater to the needs of differently abled students
15. IQAC suggested to form different committees in addition to the sub-committees of the Teachers' Council. Consequently, different committees such as Teachers' Service related committee, anti-ragging committee, Grievance redressal committee, AISHE committee, Newsletter, Press and media committee, Committee to cater to the needs of differently abled students, "Know your campus" committee have been formed
16. IQAC suggested to make the campus eco-friendly. The campus has been declared plastic free zone. Cleanliness campaign and tree plantation programmes are organized in the campus. A committee, with the slogan, "KNOW YOUR CAMPUS/OUR TREES ARE OUR OWN" has been formed for identification and conservation of natural resources present in the college campus



Fig. 6.1: IQAC Coordinator, Dr. Suprotim Pal, addressing the audience on the occasion of one day seminar-cum-workshop on "Bird Survey and Wildlife Photography" as a part of "Know Your Campus programme" funded by IQAC

How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

Sl.no	Decision of IQAC	Status of Implementation
1	Formation of different specialized committees in addition to the sub-committees formed by Teachers' Council	Implemented
2	Applications for participation in faculty development programme to be forwarded and approved by IQAC Coordinator	Implemented
3	Make the campus differently abled-friendly	Committee formed, Ramp constructed, wheelchair arranged, proposal for specially designed toilets sent to Government of West Bengal
4	Organization of seminars, conferences, expert lectures	Implemented
5	Departmental routines to be approved by IQAC	Implemented
6	Conservation and Identification of natural resources of the college campus	"KNOW YOUR CAMPUS" Committee has been formed.

Sl.no	Decision of IQAC	Status of Implementation
7	Revival of the certificate course in communicative English which was discontinued in 2011	Letter sent to Department of Higher Education, Government of West Bengal for approval
8	Use of Computer aided methods of teaching	Networking done to ensure internet facilities, seminar halls equipped with LCD projectors, constructed, Virtual classroom arranged in the current academic session
9	KOHA software for digitalization of library	Initiative was taken to train the faculty members and library staff. However, the process could not be implemented due to lack of funds. Proposal sent to Government of West Bengal for funds.
10	Formation of Grievance Redressal Cell	Implemented

*Does the IQAC have external members on its committee?
If so, mention any significant contribution made by them.*

Yes, IQAC has external members on its committee.

Following is the composition of IQAC for academic session 2016-2017

SI No.	Name	Nominated As
1	Sanjoy Kumar Roy, Officer-in-charge	Ex-officio Chair person
2	Dr. Supratim Pal, Geology Deptt., Durgapur Government College	Coordinator (Member Secretary)
3	Treasury Officer, Durgapur Treasury	Member, Senior administrative personnel
4	Birendra Krishna Banerjee, Chief Advisor DMC & Manager Corporate Finance	Member, Management Personnel
5	Rupashri Chatterjee , Associate Professor of History, GalsiMahavidyalaya,Galsi.	Member, Dignified person of the society
6	Kuhelika Bandyopadhyay, TGT in Mathematics, Kendriya Vidyalaya, CMERI, Durgapur	Member, Dignified person of the society
7	The Director, Central Mechanical Engineering and Research Institute, Durgapur	Member, Dignified stakeholder of the college

SI No.	Name		Nominated As	
8	Dr. Dipankar Sen, Mission Hospital, Durgapur		Member, Dignified stakeholder of the college	
9	Dr. Snigdha Chandra	Chemistry	Member	Teacher Representatives (Durgapur Government College)
10	Dr. Debnath Palit	Botany	Member	
11	Gargi Muhhopadhyay	Pol. Sc	Member	
12	Dr. Arup Kumar Ghosh	Chemistry	Member	
13	Barun Bandyopadhyay	Chemistry	Member	
14	Saubhik Bandyopadhyay	History	Member	
15	Sudeep Kumar Das	Physics	Member	
16	Pritha Goswami	Geology	Member	
17	Pranoy Kumar Mukherjee, The Accountant, Durgapur Government College,		Member, Senior administrative personnel	

External members provide suggestions on different decisions and activities of IQAC. One of the external member, Prof. Rupashri Chatterjee suggested to revive the Career Counselling, Guidance and placement Unit of the college. Initiative has been taken in this direction. The Unit is presently functioning in the college. Prof. Chatterjee also suggested to organize CBCS based workshop in the college. Department of History organized this workshop on 15.02.2017.



Fig. 6.2: Professor. Suchandra Ghosh Department of Ancient Indian History and Culture, University of Calcutta delivering lecture at the CBCS based workshop organized by Department of History on 15.02.2017

How do students and alumni contribute to the effective functioning of the IQAC?

Feedback received from students and alumni is analyzed by IQAC and relevant suggestions are provided to the Head of the institution by IQAC. Students have provided feedback for improvement of teaching and learning aids, renovation of classrooms, proper lighting, cleanliness in the campus, introduction of new courses, enrichment of library resources, improvement of sports facilities, their expectations from college and future plans related to job opportunities and higher education.

How does the IQAC communicate and engage staff from different constituents of the institution?

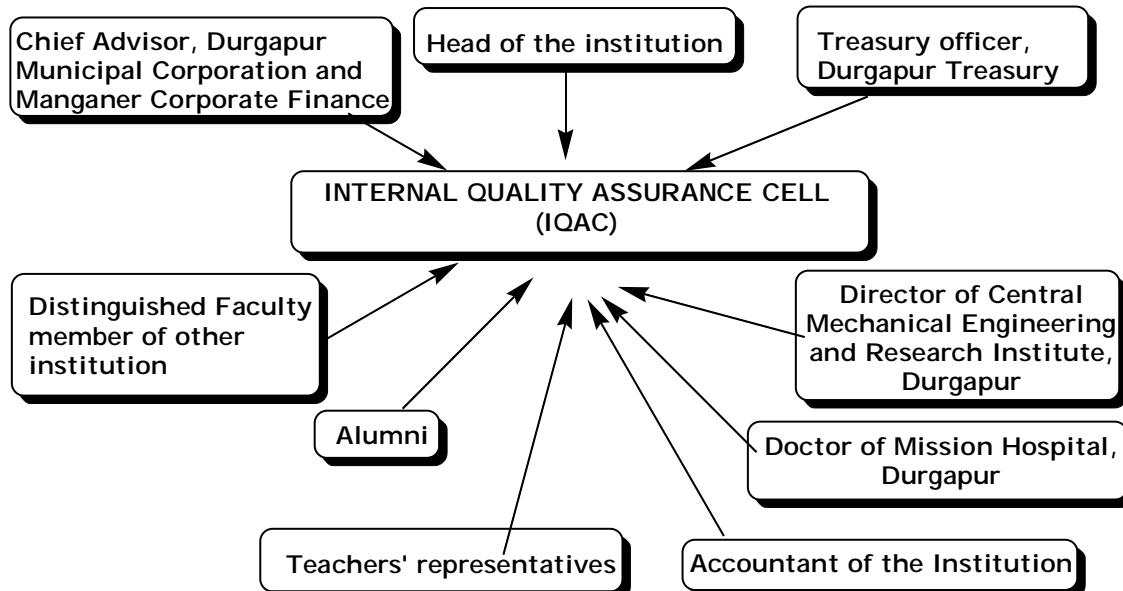
1. IQAC communicates with faculty members through meetings
2. Administrative Staff is member of IQAC which ensures represents effective participation of staff in the regular functioning of IQAC
3. IQAC communicates with the staff working in laboratories during the departmental visits
4. IQAC members individually communicate with the staff from different constituents of the college and share their views. For example, Security guards suggested to one of the IQAC members to propose the elevation of boundary wall of the institution in order to ensure safety and security of the college property and staff quarters

6.5.2 *Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalization.*

Yes, the institution involves an integrated framework for quality assurance of academic and administrative activities.

- Both academic and administrative committees (such committees related to admission, examination, research, taxation, students' body election, health scheme, library discipline, games & sports, canteen and cultural activities) are formed by the Teachers' Council to ensure quality assurance.
- Admission, examination, taxation and Students' Body election committees involve active participation from faculty members, students and non-teaching staff of the college.

- IQAC involves representation from faculty members, non-teaching staff and dignified external members from different fields. Therefore, it ensures quality assurance for academic and administrative activities.



6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

- Initiative was taken to provide training to librarian and some of the faculty members (who were the members of library sub-committee, academic year 2015-16) for data entry of library books using the KOHA software. Mr. Dinesh Maiti (M.Lib from VidyaSagar University, Assistant Professor of Library Science,) was invited to provide the training and was given remuneration from non-plan head grant of State Government
- For quality assurance, the need was felt to provide basic computer training to office staff in order to perform data entry for preparation of salary bills, scholarships, online filling of university forms, and other related work. Officer in Charge took initiative to train the office staff in this context
- The course curriculum of Department of English involves a Generic Course, "Film and Literature" for B.Sc. 1st semester students. Therefore, faculty members have to be trained for the course. Initiative has been taken to train the faculty members for Film Studies at Roop-Kala Kendra Kolkata.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

The institution does not undertake any formal academic audit

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

- UGC norms and government orders are strictly followed for the distribution of work-load to faculty members. IQAC monitors the departmental routines and ensures that the number of contact hours of each faculty member is according to the prescribed guidelines
- Under CBCS system, it is strictly ensured that the number of classes for each course are allotted in accordance to the respective credit points mentioned in the syllabus prescribed by the affiliating University
- The reservation policy prescribed by Government of West Bengal is strictly followed during the admission of students. The concept of "inclusive education" is ensured irrespective of religion, caste, creed and gender is followed
- College prepares its academic calendar in accordance to the academic calendar prescribed by the affiliating University and the List of Holidays sanctioned by Government of West Bengal
- Emphasis is given to ensure mandatory 75% for students. For non-collegiate students who fail to attend the mandatory attendance, rules prescribed by the affiliating university are followed before allowing the student to appear in the university examinations
- Guidelines of the affiliating university regarding the internal assignment processes are followed
- Teachers' Daily performance register (TDBR) is maintained by IQAC as per the government directives
- The institution involves the department of conservation biology which is the sole of its kind in eastern India. The course has interdisciplinary relevance as emphasized by UGC. Faculty members of different department deliver lectures and provide guidance to the postgraduate students of conservation biology to prepare M.Sc. dissertations as part of their course curriculum.
- Cell for Gender sensitization and protection of sexual harassment against women works in alignment to the UGC SAKSHAM guidelines and VISA KHA guidelines of Supreme Court of India.
- The institution strictly adheres to zero tolerance for ragging. Anti ragging committee works in this context
- The institution strictly aligns to the "SWACHA BHARAT ABHIYAN" of the government. NSS Units organize cleanliness campaign in the college campus and the adopted villages

6.5.6 *What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?*

- Internal assessment of students through class tests, surprise tests, home assignments, viva-voce.
- Analysis of performance of students in university and college test examinations in departmental meetings, by IQAC and Teachers' council meetings
- Slow and advanced learners are identified by the departments and provided guidance accordingly. Library sub-committee has taken initiative to arrange open-house discussions in association with different departments separately for slow and advanced learners. These discussions review the learning process of different paces of students
- Faculty members individually communicate to the students to review the learning process and provide necessary guidance. One of the students, Piyal Halder, student of Geology Honours failed to appear in B.Sc. Part-I examinations. One of the faculty members of Department of geology, Dr. Supratim Pal provided extra guidance to him, and encouraged him to continue his studies. As a result, Piyal Halder appeared for B.Sc. Part I and Part II examinations simultaneously and obtained 74% marks in B.Sc. Part I examinations.

6.5.7 *How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?*

- Through AQAR reports prepared by IQAC and published on the website
- Notifications
- Parent-Teacher meetings
- Meetings of Head of the institution with members of the staff
- College prospectus and annual newsletter

Any other relevant information regarding Governance Leadership and Management which the college would like to include.

NONE

CRITERION VII

INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

- The college has not conducted any official Green Audit by an external agency.
- Dr. Utpal Singha Roy, Assistant Professor of Zoology, and some students of the department of conservation biology conducted a study in 2013 to highlight the energy conservation achieved through replacement of ordinary bulbs with energy efficient bulbs.
 - It was estimated by the team that a simultaneous operation of all the light sources at Durgapur Government College required an energy consumption of 46 KW/hour. The study (Table 7.1 and Table 7.2) concluded that if all the light sources were replaced by energy efficient lamps, the energy cutoff would be 54% (22 KW/hour). The study also concluded that use of Sodium vapour lights would result in energy conservation.

Table 7.1
Total number of energy sources at the time of study

Light usage areas	Total no.	No. of tube lights	No. of ordinary bulbs	No. of energy efficient bulbs	No. of solar lights
Class rooms	58	108	24	8	-
Laboratory	20	108	12	-	-
Library	1	60	3	2	-
Office rooms	7	20	5	-	-
Staff rooms	8	20	4	2	-
Toilets	12	14	6	6	-
Gallery	3	20	-	-	-
Passages	12	78	3	-	-
Canteen	1	4	-	-	-
Staff quarters	9	216	216	108	-
College campus	-	-	12	-	30
Total	-	648	273	126	30

Table 7.2
Average electricity consumption for different light sources at Durgapur Government College

Sources	Electricity consumption (KW /hour)	% reduction if replaced by energy efficient bulbs
Tubelights	25.92	50
Ordinary bulbs	16.38	67
Energy efficient bulbs	2.52	-
Sodium vapour lamps	1.20	80
Solar lamps	-	-
Total	46.00	54

- This study was presented in the 8th All India Peoples' Technology Congress on "Climate responsive technologies" organized by Forum of Scientists, Engineers & Technologists (FOSET) at Science City Kolkata on 11th - 12th Feb 2010 by Babli Gorai (Main presenter) and Mousumi Gorai (Co-presenter), students of Department of Conservation Biology, Duragpur Government College. The title of the paper was "**Application of green energies: prime need of the hour**". The paper was presented by the students under the guidance of Dr. Utpal Singha Roy, Assistant professor of Zoology.
- Copy of the report was submitted to the Head of the institution in 2013.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

- Durgapur Government College has introduced a programme called "**Know Your Campus**" as an initiative to make the students of the college aware of the natural resources enriching the college campus and preserve them. The campus is about 30 acres with good assemblage of flora and fauna. A committee with faculty members and three students from each department are actively involved in the programme to reach the goal of inducting 100% members of the college.
Following is the brief report of the activities under the programme:
 - ✓ Preparation of map of the college campus and the buildings by students is in progress
 - ✓ Naming and numbering of the plants present in the campus by students under the guidance of committee members. Approximately 50 types of trees, 16 types of shrubs and more than 40 types of herbs have already been identified. Some of these flora have medicinal value
 - ✓ The twinning shrub, ***Hemidesmus indicus***, a member of Asclepiadaceae, commonly known as Anantamul, grows as weeds in the college campus. Efforts have already been taken to preserve these weeds since these have immense medicinal value. Roots of this shrub are used as substitute of sarsaparilla as tonic, diuretic, diaphoretic, disinclination for food, fever, skin diseases, as blood purifier, in liquor, syphilis, rheumatism and scorpion sting, snake bite.
 - ✓ Maintaining the Medicinal plant garden along with Department of Botany.
 - ✓ Nature of the campus retains science of the jungle that the entire Durgapur region once was. The college campus is the habitat of diverse fauna. About 88 types of birds visit this place around the year. College ensures that snakes found in the college campus are not killed but taken away by the snake expert, Debasish Mazumdar and released in the wild. Jackals are found in the fore lone areas of the college campus after sundown.



Fig. 7.1: Our avian visitors which have made our campus their home

- ✓ The first initiative of the Know Your Campus program was a day long seminar-cum-workshop on Bird Survey and Wildlife Photography organised on 15.02.2017 in joint collaboration with Departments of

Botany, Zoology and Conservation Biology. The seminar cum workshop was funded by the IQAC of Durgapur Government College. One of the major areas of focus of the programme was to make students familiar with the avian visitors of the college campus.

- ✓ The first speaker of the seminar Mr Sagar Adhurya, Research Scholar, Visva-Bharati University and also an ex-student of this college delivered a lecture on bird survey as a part of "Global Backyard Count" which was observed globally from 17.02.2017 to 20.02.2017. Students and faculty members of this college (members of Know Your Campus team) gave a serious recognition to the movement as first representatives from the district of Burdwan on 17.02.2017. They observed 49 types of bird species in the college campus and nearby areas.



Fig. 7.2: Mr Sagar Adhurya, Research Scholar, Visva-Bharati University delivering lecture on Bird Survey in the seminar cum workshop organized under know your campus programme

- ✓ Professor, Department of Computer Science and Engineering, National Institute of Technology on "**Wildlife Documentation through Photography**". The major focus was to sensitize the students of non-bioscience departments that loving nature is not only a responsibility of bioscience students but anyone can be a part of it. It is also one of the prime objectives of the college. He also guided the audience how to shoot better photographs and informing them about the basic know-how of "**nature photography**". This included equipment as well as camera settings like aperture, ISO and shutter speed with fascinating examples.



Fig. 7.3: KNOW YOUR CAMPUS team of Durgapur Government College



Fig. 7.4: Snake in the college campus; Snake expert with a snake which was released in the wild



Fig. 7.5: "Bird Watching" by students in the college campus
"Come forth, and bring with you a heart
That watches and receives"
William Wordsworth

- Tree Plantation Programmes are organized by NSS and NCC to make the campus eco-friendly. NSS in association with the Forest Department, Government of West Bengal organized "BONMAHOTSAV", 2015 to promote environmental awareness and protect trees



(i)



(ii)



(iii)



Fig. 7.6. (i) & (ii) Tree Plantation Programme by NCC Cadets, (iii) NCC Cadets preparing the land for plantation, a part of medicinal garden is visible in the photograph

- Medicinal Garden maintained in the college campus by Department of Botany. Around 25 medicinal plants are found throughout the year. Other plants are added to the garden from time to time
- Gardens are maintained by Department of English, Geology and Students' Union in the college campus
- A place is marked for the disposal of biodegradable waste generated from Zoology, Botany and Conservation Biology laboratories; compost is generated
- College campus has been declared as plastic-free zone. Use of plastic is strictly restricted in the campus even in the use of tea cups during meetings, seminars, conference and other events
- Tobacco smoking, chewing of pan-masalas and gutka is prohibited in the college campus. Health hazards caused by tobacco smoking are repeatedly highlighted especially by the NSS unit through different events and awareness programmes

- "Save energy" initiative is taken by the students' union to make students aware by making them switch off lights and fans before leaving the classroom
- Department of Conservation Biology, Botany and Zoology conduct field work and study tours to create awareness and conservation of biodiversity among the students
- Students prepare projects on "Environmental Science" as a part of their course curriculum on different environmental issues such as air, water, land and sound pollution, solid waste management, ecosystem and biodiversity.
- Committee has been formed by the college to create awareness for dengue prevention
- Every summer (period from February to June), Durgapur Government College (DGC) suffers from water scarcity problems. To address this water shortage, a proposal has been placed to the Government of West Bengal introduce the concept of rain water harvesting in the institution.
 - The proposed project will be implemented by bringing alive a dead well.
 - The existing well will be utilized as recharge structure and water will be allowed to pass through filter media.
 - The proposal is expected to solve the water-scarcity problems
 - No water refills (water tankers) will be needed to overcome water shortage
 - No financial burden for extra water supply
- The institution has decided to contact approved E- waste management and Disposal facility in order to dispose E-waste in scientific manner.
- The institution is also planning to take initiative for treatment of the chemical wastes generated from laboratories
- Initiative has been taken to ensure the optimal and effective use of already used paper
- College took the initiative in 2010 to utilize solar energy for illumination of different areas of the campus. College used the UGC grant of Rs. 10.00 lakhs for this purpose. This initiative was taken as 25 acres of land comprising the college campus required proper lighting for the safety and security of the college property and staff quarters. The project was entrusted with WBREDA (West Bengal Renewal Energy Development Agency), for establishment of the Solar lighting system with 5 years maintenance. WBREDA submitted an estimate for Rs. 4,50,500/- for installation of two power plants and Rs. 1,65,000/- for installation of 30 nos. of Solar PV Street Lighting System (Rs. 4,500/- per system) in May' 10. It also agreed to maintain the street lighting system for 5 years at free of cost. However, it could not be made functional till date because of technical problem left unattended by WBREDA. This has been brought to the notice of the Government

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

- (i) In addition to the sub-committees of the Teachers' Council, different new committees have been formed to improve the functioning of the college. For example, Central purchase committee, Counselling and Career Guidance and placement unit, Grievance Redressal Cell, Anti Ragging Committee, Committee to cater to the needs of differently abled students, "Know Your Campus" Committee, Health unit committee, Newsletter Press & Media committee
- (ii) Networking has been developed in the college from the DST-FIST grant received. This has ensured internet facilities in the college campus through LAN connectivity and Wi-Fi in some of the academic buildings.
- (iii) Interaction and exchange of views and information of students, teachers and other stakeholders has been strengthened by the formation of different official groups in the social networking sites.
- (iv) The college newsletter, "**Sangbartika**" was published in January 2017 to provide specific information to different stakeholders in the regional language. The newsletter form and the use of regional language "Bangla" is first of its kind in documentation of important matters of the college.
- (v) Organization of educational tours has been started by three Humanities departments to supplement classroom teaching.
 - These tours provide audio-visual/hands on experience to students
 - Exposure of students to different academic institutes of excellence, places of historical importance and explore opportunities of higher studies, employment and entrepreneurship. For example, students born and brought up in the 50 year old industrial town of Durgapur and its neighbouring villages get a taste of other kinds of living experiences for instance in a metropolis.
 - Learning with fun during these educational tours nurtures the creative faculty which is reflected in wall magazines and models prepared by students during departmental exhibitions.

7.3 Best Practices

7.3.1 Elaborate on any two best practices **in the given format at page no. 98**, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

1. Deep Jwele Jai : Social Activities of NSS

I. Goal:

- To sensitize the stakeholders towards their social responsibilities
- To ensure exposure of students to lifestyles of people hailing from diverse socio-economic cultural background.
- To overcome the self-centric attitude of students hailing especially mostly from nuclear families

II. The Context

NSS activities are selected keeping in mind the Urban-rural admixture of the population of Durgapur to make the illiterate/semi-literate/underprivileged/tribal community people (present in large numbers in Durgapur) aware of the demands of society at the state/national level and reap the benefits of the facilities offered by the state/nation. For example, one of the newest activities of NSS involves helping the people of the two adopted villages to acquire AADHAR card, PAN Card and open bank accounts. NSS works to widen their horizon and to include them in main stream activities.

III. The Practice

- It is very interesting to note that the NSS Unit had been active since the inception of the college. The first NSS camp was organized in 1970 with 100 male students. The village "**Nadiha**" was adopted by NSS in 1970. This practice has continued uninterrupted through all these years. "**Uttarpally**" and "**Dangapara**" are the villages which have been adopted by the present NSS Unit of the institution
- NSS participates in a wide range of activities at the college and regional level. These range from cleanliness programmes conducted not only in the college but also in the two adopted villages to organization of literacy campaigns/blood group checking/ special camps/surveys/rallies/observance of important days/ seminars/ cultural programmes/awareness campaigns/exhibition. Please Refer to answer of **Q-3.6.4** for details of NSS activities.

IV. Evidence of Success

- Ex-NSS Volunteers of Durgapur Government College remain in touch with the NSS unit of the college. On 6th February, 2017, the total expenditure for the purchase of blankets distributed to the underprivileged families of the adopted villages was provided by the Ex-NSS Volunteers

- Certificate of appreciation was received from the Prime Ministers' Office for donation made to the victims of Nepal earthquake through Prime Ministers' Relief Fund
- Different villages are adopted by the NSS unit with a target of achieving cleanliness, literacy and awareness. When it is felt that there has been an overall upgradation of the village, the NSS members opt for adopting a new village in need of upgradation. For example, NSS has extended its help to the village Uttarpally. It is now felt that the adopted village Uttarpally has been upgraded in accordance to the target. Therefore, NSS Unit feels the necessity of working with a new village in need of help.

V. Problems Encountered and Resources Required

- Students of Lab based subjects find it difficult to regularly participate in NSS activities
- In some cases, programmes such as women' self defence training programmes are discontinued due to objection by parents/guardians in spite of the strong desire of the female students
- Motivating the students to participate in NSS activities is a challenge in many cases

VI. Notes (Optional)

2. The Buds Bloom : Annual Exhibitions of the college

I. Goal

Goal of practice is to achieve capacity building through exploration of students' organizational skills, talent, communication skills, confidence building, development of team spirit, scientific approach, research aptitude in data collection and presentation. Since annual exhibition includes three prizes, students of the departments compete to present their best. This imbibes in them a healthy competitive attitude which is required to cope with the competitive world. Students, besides interacting with internal and external visitors, are required to satisfactorily answer the queries made by judges. The need to present information in a precise, logical and clear manner equips them for not only examination related matters but also to face interviews/written tests conducted by company.

II. The Context

- Events like Exhibitions, sports, fest are always scheduled in December-January when the weather in Durgapur is perfect for the organisation of such programmes. These not only help in distressing but also promote cohesion among the stakeholders. This positive spirit and enthusiasm is carried forward to the following year.

- It is often found that the plan of the exhibition as chalked out by the students of the department cannot be translated into reality because of space crunch. Each department is required to organize their theme of the exhibition in their departmental rooms which vary in size. Encroachment on teaching time is unavoidable because the departmental classrooms serve as venues for the exhibition of each department.

III. The Practice

Every year, exhibition is organized by the institution. All the 16 departments & NSS, NCC, and Cell for Gender Sensitization participate in the exhibition. Students' Union actively participates in the exhibition, provides fund for the prizes and decoration and helps the college to regulate the crowd of visitors. Selection of theme reflects the aspects of Indian culture and highlights contemporary social, political, economic and environmental issues. Following were some of the themes of exhibitions during the last four years:

Department/Unit	Themes of exhibition
Bengali	Bengali Literature, Bengali Sishusahitya, Bengali Loksahitya, Banglar broto written by Avanindronath Tagore
Botany	Agricultural problems and how to cope up with them. Use of transgenic plants for insect and herbicide resistance, Origin and evolution of plants, Solutions to the excess usage of fossil fuels and about electricity generation from microbes for the welfare of the future generations, Fossilization process, use of solar energy in agriculture, local medicinal plants ad their uses, use of annual ring in counting the age of plants
Chemistry	Chemical Volcano, Protein structure, Food adulteration, Bhopal Gas tragedy, Waste-water treatment, Air and Water Pollution
Commerce	Globalisation, Recession and FDI, Religion and Economic Perspective, Organisational Culture, Planning , Leadership, Motivation, Smart City
Conservation Biology	Pollution, Human Animal Conflict, Man-Animal Conflict, Urban Farming, Save Water
Economics	Oil price hiking, inflation and Durgapur Development, Poverty, Agriculture, Inequality, Unemployment, MGNREGS, Communication, Market, Banking, New Schemes related with poor people and women and girls development introduced by Central and State Government
English	Literature as a Mimesis of life, From Pages to Silver Screen, Children's Literature and their Interpretations,
Geology	Continental drift, Earthquake, Big-Bang theory, Artesian Well, Volcanism, Underground mining, fossils, rocks & minerals
History	'The Terracottas of Bishnupur', 'Indus Valley Civilization', 'Sultanate and Mughal Architecture'

Department/Unit	Themes of exhibition
Mathematics	Tradition of the study of Mathematics in ancient India, Time machine, Ancient Mathematics vis-a-vis modern mathematics
Philosophy	Feminism, Humanism, Tolerance and Peace, Respect of Woman in Society
Physical Education	Test and Measurement, Yoga as a therapeutic aspect, Nutrition and health, Olympic games, Importance of Physical Education in Modern Society
Physics	Use of Non-conventional energy, different types of electronic sensors, Gravitational wave detection by Ligo detector, interference of sound wave
Political Science	Parliament of India, Prime Minister, Terrorism
Sanskrit	Biswarupadarsanam (Bhagavat Gita), Saradabarnanam (The beautification of Autumn), Abhijnanasakuntalam
Zoology	Origin and Evolution of Life, biodiversity and conservation (snakes, coral reefs, natural park, sanctuary), applied zoology and integrated poultry farming, pisciculture, from gene to the organism
NSS	Pollution, Plantation, AIDS, Child Labour, Thalassaemia, Eye donation, Smoking, Blood Donation, Natural disasters, Population, Malaria, Women harassment, AIDS, Tobacco Smoking, Dengue
NCC	Demos of different rifles and revolvers used in different services, improvised devices, aircrafts, tanks, missiles, demonstration of rock climbing



Fig. 7.7: Exhibition of Department of Bengali based on Bengali Folk Culture
Theme: "Banglar Broto" written by Avanindronath Tagore

IV. Evidence of Success

- The major skills such as a sense of proportion, an eye to observe details, a sense of colour, creative faculty required to prepare accurate models are nurtured during the making of models displayed at the college level. This has helped the students to win recognition at the district level. In Burdwan District Science fair 2016, Kajori Mondal & Insan Habib of Dept of Botany stood 3rd and got the chance to participate in State Science Fair.



Fig. 7.8: Kajori Mondal & Insan Habib receiving the prize in District Science Fair



Fig. 7.9: Kajori Mondal and Pallbi Maity participated in State Science Fair, 2017 at Netaji Indoor Stadium, Kolkata

- The practice helps in cultivating the team spirit and unity among the students. It has been repeatedly observed that tensions arising among classmates due to difference in views are resolved by the students themselves. Failure and success is faced collectively by the students. The practice of working in teams helps in formation of groups representing Durgapur Government College elsewhere. As a result, hardly any problems are faced in forming teams with students from different departments for curricular, co-curricular and extra-curricular activities.

- For instance, Santi Gain (B.A. General), Amit Roy (Zoology Honours), Arindom Chatterjee (B.A. General) and Somnath Banerjee (B.A. General) together participated as team in 4 x 100 M relay race (M) and got 1st position in Inter-Collegiate Athletics in the year 2011-2012.
- Teams formed for quiz competition comprised students from Departments of English and Physics, History and English.
- Organizational skills acquired at a smaller level yield important fruit at events requiring exercise of these skills on a much larger scale. The annual Fest is a students' programme, is organized meticulously by the Students' Union. This event is considered to be of very challenging as it involves contacting and bringing in artists of repute from outside, issuing gate passes for visitors from outside and regulating the movement the crowd within a huge college campus. The programme spills over the stipulated time i.e. 11.00 am to 8.00 pm. It is necessary to mention that in some colleges members of the staff are assigned duties to prevent any untoward incident. The college is proud to state that no untoward incident has occurred till date. Further, in such an electrified ambience, restraint and discipline are so far been unfailingly maintained by the students. Assistance of the local police station is received at the entry point of the college.

V. Problems Encountered and Resources Required

- Lack of funds to implement all that is planned for the exhibition
- Lack of technological support restricts the full-fledged presentation of the topic as desired by the students
- Lack of proper equipment to prepare more sophisticated models during the exhibition
- To minimize compromising with the teaching schedule, students often prepare the models at home till late hours. This however poses a major problem as some of the models break while being transferred from their homes to the exhibition venue and therefore require re-fixing. The areas where breakage takes place cannot always be concealed

VI. Notes (Optional)

SECTION E

EVALUATIVE REPORTS OF THE DEPARTMENTS

1. Department of Bengali
2. Department of Botany
3. Department of Chemistry
4. Department of Commerce
5. Department of Conservation Biology
6. Department of Economics
7. Department of English
8. Department of Geology
9. Department of History
10. Department of Mathematics
11. Department of Philosophy
12. Department of Physical Education
13. Department of Physics
14. Department of Political Science
15. Department of Sanskrit
16. Department of Zoology

Department of Bengali

1. Name of the department **Bengali**
2. Year of Establishment **1970**
General Courses were taught in 1970. Honours Courses were introduced in 1971
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Undergraduate Courses with Bengali
4. Names of Interdisciplinary courses and the departments/units involved:
Generic Elective Course is offered for English, Sanskrit, Political Science, History and Philosophy Honours courses wef 2016-2017.
5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	B.A. Honours in Bengali	Till 2015	Annual
2	B. A. Honours in Bengali	From 2016	CBCS
3	B. A. Programme with Bengali	From 2016	CBCS
6. Participation of the department in the courses offered by other departments
 - **Modern Indian Languages (MIL) paper of all B.A./B.Com courses under CBCS curriculum**
 - **Bengali as an General Paper of all Honours subjects in the Humanities course except English and Sanskrit**
 - **Discipline Specific Course Paper of all Arts departments wef academic session 2016-2017.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**
9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	00	Not applicable
Associate Professor	05 *	-
Assistant Professor		05

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Bhismadeb Mukhopadhyay	M. A., Ph.D.	Assistant Professor (HOD)	Unish Shatak	15	-
Renuka Adhikari	M. A., B.Ed.	Assistant Professor	Katha Sahitya	10	-
Shreya Roy	M. A., B.Ed.	Assistant Professor	Katha Sahitya	02	-
Ishani Roy	M. A B.Ed.	Assistant Professor	Madhya Jug	02	-
Dhananjoy Das	M.A.	Assistant Professor	Prachin o Madhya Jug	02	
Susmita Roy	M. A., M.Phil B.Ed.,	Part Time Faculty	Loksanskriti	09	-

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Sl. no	Name of Part time faculty	Course	Classes taken (out of total undergraduate classes allotted for the department)	
			Lectures (%)	Practical (%)
1	Susmita Roy	Undergraduate	9.1%	NA

13. Student -Teacher Ratio (Programme wise):

Sl. no	Course	Student-Teacher Ratio
1	B.A. Honours, Semester I	7:1
2	B.A. Programme, Semester I	12:1
3	B.A. Generic, Semester I	8:1
4	B.A. 2 nd year (Hons)	14:1
5	B.A. 2 nd year (General)	81:1
6	B.A. 3 rd year, (Hons)	14:1
7	B.A. 3 rd year (General)	57:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **Nil**

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	01	01	04

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **Nil**

18. Research Centre /facility recognized by the University: **Nil**

19. Publications:

Sl. No.	Publications of the faculty members	Total number
1	Research articles/Reviews	06
2	Books	-
3	Book Chapters in Edited Volumes	05
4	Conference Proceedings	02

Faculty Name	Publication						Citation	h index
	Books with ISBN/ ISSN	In Peer Reviewed Journal	Book Chapters/ Articles in Edited Volume	Conference Proceeding	Monographs	Abstracts		
Dr. Bhismadeb Mukhopadhyay	-	-	-	-	-	-	-	-
Renuka Adhikari	-		01					
Shreya Roy	-	-	02	02		06		
Ishani Roy	-					02		
Dhananjoy Das	-		01					
Susmita Roy	-		01					

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards.... **None**

22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme
All undergraduate students do a project on "Environmental Science" as the part of their course curriculum.
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: **Nil**
23. Awards / Recognitions received by faculty and students: **Nil**
24. List of eminent academicians and scientists / visitors to the department:
Nil
25. Seminars/ Conferences/Workshops organized & the source of funding: **Nil**

26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students admitted							Appeared in the year	No. of stud. appeared*	Pass %			
			Total	Category wise				Gender wise							
				Gen.	SC	ST	OBc	Male	Female						
Bengali Honours (Annual)	2011	200	78	55	18	05	00	24	54	2014	58	82.8			
	2012	198	78	55	18	05	00	25	53	2015	77	80.5			
	2013	----	69	49	16	04	00	18	51	2016	67	91.0			
	2014	348	76	46	20	03	07	22	54	Will Appear in 2017					
	2015	709	73	42	18	11	02	22	51	Will Appear in 2018					
Bengali Honours (CBCS)	2016	601	38	22	10	02	04	04	34	Will Appear in 2019					
Bengali Programme (CBCS)	2016		35	19	09	02	05	12	23	Will Appear in 2019					

*Includes UG candidates of the current session and reappeared candidates from previous years

#Admission Through Centralised Counselling by University of Burdwan

27. Diversity of Students (current students)
All students of the department are from same state (West Bengal)
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **Nil**

29. Student progression

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	
PG to Ph.D	
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	-----
• Other than campus recruitment	----
Entrepreneurship/Self-employment	---

30. Details of Infrastructural facilities

Library:

The department does not have a seminar library. Books on Bengali literature are available in the central library

Internet facilities for Staff & Students:

The Department does not involve internet and computer facilities separately. Faculty members can access internet facilities in the staff room, Principal's Office and Library. Students can access computers only in Central Library. Total 3 computers are available in the central library for public access.

Class rooms with ICT facility: Nil

Laboratories: Nil

31. Number of students receiving financial assistance from college, university, government or other agencies:

The Government of West Bengal has been providing Kanyashree Prakalpa, a conditional cash transfer for the girl students from the year 2013. 20 Girls students of the department have been found eligible to receive scholarships under this scheme awarded by the government of West Bengal.

The details of the beneficiaries are given below

Sl. No.	year	Name of the students
1	2014	Rituparna moni
2		Rimpa Laha
3		Puja Bhakta
4	2015	Suravi Mukherjee
5		Payoma Chatterjee
6		Pallabi Banerjee
7		Manisha Das
8		Susmita Das
9		Puja Karmakar
10		Tanushree Ghosh
11		Anita Ghosh
12		Susmita Majumder

Sl. No.	year	Name of the students
13		Anamika Mondal
14		Sujata Bouri
15		Rama Mondal
16		Mou Gorai
17		Sumita Mandi
18		Subarna Basak
19		Susmita Mondal
20		Payel Ghosh
21	2016	Shubha Seal
22		Payel Karmakar

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Special Lecture on "Bangla Goddo Sahityo" by Dr. Rina Mondal, Formerly Head and Associate Prof, Durgapur Government College, was organized by Department of Bengali on 15.02.2017.

33. Teaching methods adopted to improve student learning

1. Unitization of syllabus maintaining the academic calendar
2. Question -answer sessions
3. Tutorials

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Following students of the department act as volunteers of National Service Scheme

NAME of the student	YEAR
Konika Das	3 rd year
Nandita Basak	3 rd year
Sanjit Ruidas	2 nd Year
Arabinda Ruidas	2 nd Year
Ankita Mondal	1 st Year

35. **SWOC [Strength-Weakness-Opportunities-Challenges] analysis of the department and Future plans**

Strength

Core strength of the department lies in the cordial relationship within the department which enhances knowledge acquisition thereby creating a perfect symbiosis between teachers and students. The dedicated faculty members of the department are ever-ready to help out students to achieve the goal of holistic development of the department. The department has fulfilled the sanctioned faculty strength. Bengali is the mother tongue of almost all students of the department which ensures better communication between faculty members and the students

Weakness

No separate computer and internet facilities are available in the Department. The department does not have direct control over the designing of course curriculum.

Opportunities

The large Bengali-speaking, knowing and loving base renders unending possibilities of enrichment and enhancement in the near future. The synthesis of creativity in the domain of Bengali literature and the education system (dissemination of the curricular knowledge and absorption of the same) is the goal of the department.

Challenges:

- Lack of funds from State government to organize special lectures
- Advocating the significance of Bengali literature to the present generation

Future Plans

- The department plans to organize student seminars which will not only help the students in putting theoretical knowledge to practical usage but also enriches the readers as well as the listeners with new view-points in the literary genre
- Applying for major and minor research projects to generate funds for the department and improve the research activities
- Arranging educational tours for students

Department of Botany

1. Name of the department **Botany**
2. Year of Establishment **1997**
3. Names of Programmes/Courses offered(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Undergraduate Courses with Botany
4. Names of Interdisciplinary courses and the departments/units involved
Generic course will be offered for students of different honours courses from academic session 2017-18.
5. Annual/semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	B.Sc. Honours in Botany	Till 2015	Annual
2	B.Sc. Honours in Botany	From 2016	CBGS
3	B.Sc. Programme with Botany	From 2016	CBGS
6. Participation of the department in the courses offered by other departments
 - **General Paper of Zoology Honours Course.**
 - **Discipline Specific Core Course Paper for Zoology Programmes**
 - **Theoretical classes delivered by faculty members for PG course offered by Department of Conservation Biology**
 - **Guidance of dissertation work under M.Sc. curriculum for PG students of other universities**

Dr Debnath Palit - Supervised Master thesis of M. Sc. in Environmental Science, under Sikkim Manipal University and Vidyasagar University, West Bengal, The topic of thesis were as follows:

 - i. In situ conservation strategies in Gorumara National Park, Jaladpara Wildlife Division.
 - ii. Ecological study on Singalila National Park, Darjeeling.
 - iii. Ecological investigation on riparian wetlands of Damodar River near Durgapur Barrage area.
 - iv. Morphoanatomical characters of *Tephrosiapurpurea* L. And *Croton bonplandianum* Bail. in evaluation of purity of air: A case study near Mejia Thermal Power Plants, West Bengal

Dr Debnath Palit Supervised following Dissertation works for M.Sc. in Botany at Post Graduate Department of Conservation Biology, Durgapur Government College under The University of Burdwan

 - i. The Effect and Evaluation of Toxicity of Municipal sewage Water on Colonization Rate and Community Structure of Zooplankton : A Microcosm Study
 - ii. Seasonal & Temporal Variation of Entomofaunal Diversity with Reference to Different Light Condition

- iii. People's Dependency on Bioresources A Socio-Economic Survey in Durgapur Subdivision of West Bengal
 - iv. A study on the avifaunal diversity of Satragachi wetland (Ramsar site) West Bengal India.
 - v. Comparative study on the aquatic macrophyte diversity in lentic and lotic ecosystem from urban areas of Durgapur, West Bengal, India
 - vi. A preliminary study on the aquatic macroinvertebrate diversity in different lentic and lotic environments from Durgapur, West Bengal, India
 - vii. A study on the zooplankton diversity in relation to physicochemical parameters of different lentic and lotic environments from Durgapur, West Bengal, India.
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**

9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	-	-
Associate Professor	05 *	1 (Through CAS)
Assistant Professor		2

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4years
Dr. Suchandra Sett Naidu	M.Sc, B.Ed, Ph.D	Assistant Professor	Cytogenetics and Plant breeding	UG- 15 years	-
Dr. Debnath Palit	M.Sc, B.Ed., Ph.D	Associate Professor	Ecology	UG- 15 years PG- 11 years	PhD: Awarded 3, Registered 3
Moutushi Sen	M.Sc. (C.U.), NET, SET	Assistant Professor	Cell Biology, Molecular Genetics & Plant Biotechnology	UG- 11 years PG- 8 years	--
Dibyendu Medda	M.Sc., M.Phil. BEd	Part time teacher	Palaeopalynology	UG- 10 years	--

11. List of senior visiting faculty **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Sl. no	Name of Part time faculty	Course	Classes taken (out of total undergraduate classes allotted for the department)	
			Lectures (%)	Practical (%)
1	Dibyendu Medda	Undergraduate	24	10

13. Student-Teacher Ratio(Programme wise)

Sl. no	Course	Student-Teacher Ratio
1	B.Sc. Honours, Semester II	10:1
2	B.Sc. Programme, Semester II	7:1
3	B.Sc. 2 nd year (Hons)	6:1
4	B.Sc. 2 nd year (General)	9:1
5	B.Sc. 3 rd year, (Hons)	4:1
6	B.Sc. 3 rd year (General)	10:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	Staff	Sanctioned	Filled
1	Lab Assistant	01	00
2	Specimen Collector	01	00
3	Lab Attendant	01	01

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	02	-	02

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

SI. No.	Principal Investigator	Title	Agency (Funding, Commissioning and/or Collaborating)	Period	Grant(s)/ Amount mobilized (so far) in Rs. (Lakhs)
1.	Dr. Debnath Palit	Ecological appraisal of pit lakes of Raniganj coal field (RCF), West Bengal, India: implications for conservation and sustainable use	Department of Science and Technology, Government of West Bengal	2014-2016	29,17,533

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Title	PI	Funding agency	Period	Total grant	Status
Ecological and limnological investigations on wetlands of Bankura District: implications for promoting sustainable management and wise use of wetlands'	Dr Debnath Palit	UGC, Government of India	2013-1014	95,500	Completed
Eco-restoration of wetlands in Birbhum District, West Bengal for sustainable use.	Dr Debnath Palit	Department of Environment, Government of West Bengal	2010-2013	4, 60,000	Completed
Eco-friendly technology for restoration mined wastelands in Raniganj Colliery areas	Dr Debnath Palit	UGC, Government of India	2009-11	93,500	Completed
Integrated Project on Conservation, Demonstration and Training on sustainable use of Medicinal Plants for up gradation of Livelihood of the poor families of backward classes in Bankati Gram Panchayat area, Burdwan District, West Bengal." Acted as <u>Co-Principal investigator</u> (Principal Investigator Dr. Ambarish Mukherjee, Professor, Department of Botany, The University of Burdwan	Dr Debnath Palit	Department of Science and Technology, Government of West Bengal	2009-12	21, 000, 00	Completed

18. Research Centre /facility recognized by the University: Dr. Debnath Palit, Associate Professor of Botany Department, is the Recognized Research Guide (Supervisor) in Conservation Biology under the University of Burdwan (Vide letter no --- R-Ph.D. / Recognition/ Conservation Biology dated 17.01.2012).

19. Publications: (Please Refer to Ans: 3.4.3 of Chapter 3 for details

Sl. no	Publications of the faculty members	Total number
1	Research articles/Reviews	73
2	Books	09
3	Book Chapters in Edited Volumes	12
4	Conference Proceedings	--

Faculty Name	Publication						Citation	h index
	Books with ISBN / ISSN	In Peer Reviewed Journal	Book Chapters/Articles in Edited Volume	Conference Proceeding	Monograph	Abstracts		
Dr. Suchandra Sett Naidu	-	03	-	-	-	-	-	-
Dr. Debnath Palit	09	66	12	--	-	02	-	-
Moutushi Sen	--	02	--	02	-	-	-	-

20. Areas of consultancy and income generated **NIL**

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards:

Dr. Debnath Palit is the

- i. Member, Adhoc Board of Research Studies (BRS) in Conservation Biology, Burdwan University
- ii. Member, Adhoc Board of Research Advisory Committee (RAC) in Conservation Biology, Burdwan University
- iii. Member, Governing Body of M.M.M College, Durgapur, University Nominee from KaziNazrul University, Asansol
- iv. Member of Review committee in respect of rapid Socio-Economic and environmental impact studies by National Water Development Agency (Ministry of Water Resources, Government of India) for proposed Farakka-Sundarban Link Project
- v. Member of Review committee in respect of rapid Socio-Economic and environmental impact studies by National Water Development Agency (Ministry of Water Resources, Government of India) for proposed Ganga - Damodar -Subarnarekha Link Project.

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme

All undergraduate students do a project on "Environmental Science" as the part of their course curriculum.

- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:

2 students are placed in research laboratories for projects and PhD degree for the past 4 years

23. Awards / Recognitions received by faculty and students: **Nil**

24. List of eminent academicians and scientists / visitors to the department: **Nil**

25. Seminars/ Conferences/Workshops organized & the source of funding

Department of Botany along with Zoology and PG Department of Conservation Biology organised a one day seminar-cum-workshop on **Bird survey and Wildlife Photography** as a part of our program "Know Your Campus" on 15.02.2017 along with a campus survey on 17.02.2017 funded by Durgapur Government College.

26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students admitted							Appeared in the year	No. of stud. appeared*	Pass %			
			Total	Category wise				Gender wise							
				Gen.	SC	ST	OB	Male	Female						
Botany Honours (Annual)	2011	200	44	33	10	01	00	12	32	2014	12	83.3			
	2012	300	44	33	10	01	00	14	30	2015	21	61.9			
	2013	-----#	26	21	03	00	02	07	19	2016	13	69.2			
	2014	146	36	30	02	02	02	16	20	Will appear in 2017					
	2015	218	24	18	00	04	02	11	13	Will appear in 2018					
Botany Honours (CBCS)	2016	234	25	16	06	01	02	05	20	Will appear in 2019					
Botany Programme (CBCS)			16	16	00	00	00	07	09	Will appear in 2019					

*Includes UG candidates of the current session and reappeared candidates from previous years

#Admission through Centralized Counseling by University of Burdwan

27. Diversity of Students (current students)
All students of the department are from same state (West Bengal)
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
2 students cleared NET in last four years who completed graduation from this department.
29. Student progression

Student progression	Against %enrolled
UG to PG	16.66% in Session- 2011-2013 88.88% in Session- 2011-2013 9.52% in Session- 2011-2013 22.22% in Session- 2011-2013
PG to M.Phil.	--
PG to Ph.D	--
Ph.D. to Post-Doctoral	---
Employed	
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	----- About 50- 60%
Entrepreneurship/Self-employment	---

30. Details of Infrastructural facilities
- a) *Library*
 Total 234 books are present in the seminar library of the department. Teachers and students can borrow text as well as reference books from here. This is maintained by our faculty members.
 In-charge: **Moutushi Sen**
- b) *Internet facilities for Staff & Students:*
 Computers (desktop) with internet connection accessible to departmental faculty and staff.
- c) *Class rooms with ICT facility:* **Nil**
- d) *Laboratories:*
 Single laboratory is present for 1st, 2nd and 3rd year students of honours and general/programme courses.
31. a) Number of students receiving financial assistance from college, university, government or other agencies: **NIL**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: **NIL**

33. Teaching methods adopted to improve student learning

- PowerPoint presentations with the help of LCD projectors used to demonstrate different topics
- Group discussions during practical classes
- e-book links and suggestions are provided to the students for better understanding.
- Interactive sessions between faculty and students through social networking sites
- Field tours to different institutes and places

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Students participate in the awareness lectures delivered in special camps organized by NSS unit of Durgapur Government College. They also participated in International Women's Day Celebration organized by Cell for Gender Sensitization of Durgapur Government College.

1. **Moutushi Sen, Assistant Professor of Botany:** Programme Officer, NSS Unit, Durgapur Government College, 2015 to till date
2. **Dr. Debnath Palit, Associate Professor of Botany:** Officer in Command , NCC Unit, Durgapur Government College, Durgapur, West Bengal, 2011

35. SWOC analysis of the department and Future plans

STRENGTH

- Combination of Senior and Junior Faculty members to ensure effective teaching, research orientation and dynamism.
- Seminar library enriched with several text books, reference study materials and advanced course material.
- Department Equipped with Computer based teaching aids.

WEAKNESS

- Shortage of Faculty Members and administrative Staff.
- Shortage of laboratory space
- Lack of advanced spectral Equipments.
- Computer facilities are limited for students
- Lack of ICT classrooms

OPPORTUNITY

- Quality Education under the guidance of experienced and energetic faculty members
- Hands on training during different field tours

CHALLENGES

- Transfer Policy of Faculty members: The department has shortage of faculty members due to transfer policy.
- Decline in New appointments for administrative and technical staff.
- Lack of College Fund to arrange lectures by external experts.

FUTURE PLANS

- Application to the competent authority for renovation of existing laboratories
- Applying to the agencies for financial assistance to organize workshops, seminars and conferences
- Organization of student seminars
- Applying for minor and major research projects on a larger scale

Department of Chemistry

1. Name of the department **Chemistry**
2. Year of Establishment **1972**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Undergraduate and Postgraduate Courses with Chemistry

4. Names of Interdisciplinary courses and the departments/units involved
 - **Generic Elective Course:** This course was offered for students of Physics, Botany and Zoology Honours Course of 1st semester 2016-17.
 - **Discipline Specific Course:** This course was offered for students of Physics, Mathematics, Botany, and Zoology Programmes of 1st semester 2016-17.

5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	B.Sc. Honours in Chemistry	Till 2015	Annual
2	B.Sc. Honours in Chemistry	From 2016	CBCS
3	B.Sc. Programme with Chemistry	From 2016	CBCS
4	M.Sc. (Chemistry)	From 2008	CBCS

6. Participation of the department in the courses offered by other departments
 - **General Paper of Mathematics, Physics, Botany, Zoology and Geology Honours Course**
 - **Paper of B.Sc. (General) Course**
 - **Theoretical classes delivered by faculty members for PG course offered by Department of Conservation Biology**
 - **Guidance of dissertation work under M.Sc. curriculum for PG students of other departments:**
 - a. PG student, Miss Nibedita Chatterjee of the department of Conservation Biology completed her M.Sc. dissertation work entitled, "*Ambient Air Quality over Selected Area of Durgapur Steel City with Special Emphasis on Heavy Metal Toxicants*", under the guidance of Dr. Snigdha Chandra in 2004-2005.
 - b. PG student, Miss Sanghita Mondal of the department of Conservation Biology completed her M.Sc. dissertation work entitled, "*Phytochemical analysis and green synthesis of silver nanoparticles from selected medicinal plants of Durgapur region*", under the guidance of Dr. Niloy Das, faculty of chemistry department during the academic session 2015-2016.
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**

9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	1	-
Associate Professor	11 *	2 (Through CAS)
Assistant Professor		6

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Arup Kumar Ghosh	M. Sc., P.MSc., Ph.D.	Associate Professor (HOD)	Physical Chemistry	19	01
Dr. Snigdha Chandra	M.Sc. M.Phil, Ph.D.	Associate Professor	Inorganic Chemistry	18	-
Barun Bandyopadhyay	M.Sc. P.MSc.	Assistant Professor	Physical Chemistry	14	-
Dr. Niloy Das	M.Sc. Ph.D.	Assistant Professor	Organic Chemistry	07	-
Dr. Tuhin Ghosh	M.Sc. Ph.D.	Assistant Professor	Organic Chemistry	6.5	-
Dr. Nivedita Acharjee	M.Sc. Ph.D.	Assistant Professor	Organic Chemistry	6.5	-
Dr. Bankim Chandra Ghosh	M.Sc. Ph.D.	Assistant Professor	Physical Chemistry	6.5	-
Sutapa Mandal	M.Sc.	Assistant Professor	Organic Chemistry	02	-
Snigdha Sen	M.Sc.	Part Time Faculty	Organic Chemistry	10	-
Dr. Bhabdyuti Sinha	M.Sc. Ph.D	Part Time Faculty	Physical Chemistry	10	-

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Sl. no	Name of Part time faculty	Course	Classes taken (out of total undergraduate classes allotted for the department)	
			Lectures (%)	Practical (%)
1	Snigdha Sen	Undergraduate	14	10
2	Bhabduti Sinha	Undergraduate	11	5

13. Student -Teacher Ratio (Programme wise)

Sl. no	Course	Student-Teacher Ratio
1	B.Sc. Honours, Semester I	2.5: 1
2	B.Sc. Programme, Semester I	2.5:1
3	B.Sc. Generic, Semester I	6:1
4	B.Sc. 2 nd year (Hons)	2.5:1
5	B.Sc. 2 nd year (General)	6:1
6	B.Sc. 3 rd year, (Hons)	2.5:1
7	B.Sc.3 rd year (General)	1: 1
8	M.Sc. Semester I	1.5:1
9	M.Sc. Semester III	2.5:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl.no	Staff	Sanctioned	Filled
1	Gas Man	01	00
2	Lab Bearer	01	00
3	Lab Attendant	02	00
4	Lab Assistant	01	01
5	Store Keeper	01	01

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	07	-	03

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil;

(Recently UGC minor research project completed in February 2017 by Dr. Arup Kumar Ghosh; Utilization certificate will be communicated soon to UGC)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Record of Departmental projects for last 5 years

Title	PI	Funding agency	Period	Total grant	Status
Graphene- Metal Oxide Based Polymer Nanocomposite – A Study of Thermal and Flame Retarding Behaviour	Dr. Arup Kumar Ghosh	UGC (ERO Project No. F.PSW-015/14-15	03.02.2015 to 02.02.2017	Rs. 3,00,000/-	Completed (UC will be sent soon)
Structural elucidation of polysaccharides from selected natural resources of North Bengal and study of biological activities of their chemically modified form	Dr. Tuhin Ghosh	UGC sponsored Minor Research Project No. F.PSW-70/12-13(ERO)	20/04/2013 to 19/04/2015	Rs. 1,98,000/-	Completed
Thermodynamic and kinetic studies on reaction of Pt(II) complexes with biologically relevant nucleophiles	Dr. Parnajyoti Karmakar	UGC approved minor research project no. No. F.PSW-122/11-12 (ERO)	03.04.2012 to 02.04.2014	Rs. 1,90,000/-	Completed
Inclusion assisted fluorescence resonance energy transfer	Dr. Bankim Chandra Ghosh	UGC sponsored Minor Research Project No. F.PSW-123/11-12 (ERO)	03.04.2012 to 02.04.2014	Rs. 1,85,000/-	Completed
<i>N</i> -iodosuccinimide mediated regioselectiveheterocyclisation of different C-allylated carbocycles and heterocycles and screening of their biological activities	Dr. PRADIPTA KUMAR BASU	UGC sponsored Minor Research Project (ERO Project No. PSW-013/11-12)	08.11.2011 to 08.11.2013	Rs. 1,93,000/-	Completed
A Study on Indoor Air Pollution and its Impact on Human Health over the Selected Locale around the Industrial Area of Durgapur, West Bengal to find out Better Management Options	Dr. Snigdha Chandra	UGC sponsored Minor Research Project No. F.PSW-011/11-12 (ERO)	23.11.2011 to 23.11.2013	Rs. 1,38,700/-	Completed

18. Research Centre /facility recognized by the University

Nil

19. Publications: (Please Refer to Ans: 3.4.3 of Chapter 3 for details)

Sl. no	Publications of the faculty members	Total number
1	Research articles/Reviews	72
2	Books	02
3	Book Chapters in Edited Volumes	02
4	Conference Proceedings	-

Faculty Name	Publication						Citation	h index	i-10 index
	Books with ISBN/ISSN	In Peer Reviewed Journal	Book Chapters/Articles in Edited Volume	Conference Proceeding	Monographs	Abstracts			
Arup Kumar Ghosh	-	18	-	-	-	27			
Snigdha Chandra	-	06		-	-	05			
Barun Bandyopadhyay	-	01	01	-	-	-			
Niloy Das	-	08	-	-	-	05			
Tuhin Ghosh	-	17	01	-	-	10	663	11	12
Nivedita Acharjee	02	13	-	-	-	11	56	04	02
Sutapa Mandal	-	01	-	-	-	05			
Bankim Chandra Ghosh	-	08	-	-	-	-			

20. Areas of consultancy and income generated

Faculty members participate in different events as resource persons. Faculty members are also engaged in teaching and examination related duties of Netaji Subhash Open University. The remuneration (if any) received is shared personally by faculty members.

Participation of the faculty members in Seminars/ Conferences/Workshops as resource person

Event	Date	Organized by	Title of the paper	Resource Person
Annual Lecture of Institute of Engineers	2007	Institute of Engineers, North Bengal Chapter Jalpaiguri Government Engineering College	An Overview of Polymer Science with special reference to a Novel Modified Carbon Black and Rubber Reinforcement	Dr. Arup Kumar Ghosh
Chemistry Work Shop	2009	Department of Chemistry, Bankim Sardar College, 24 PGS, W.B	Polymer Blessing or Curse	Dr. Arup Kumar Ghosh

Event	Date	Organized by	Title of the paper	Resource Person
NSS Special Camp,	2016	NSS Unit, Durgapur Government College	Social Awareness through activities of National Service Scheme: Plantation of Medicinal Plants	Dr. Niloy Das
State Level Workshop: Modalities and Practices of IFMS and Income Tax: User End Responsibilities	2016	Department of Commerce, Durgapur Government College	West Bengal Health Scheme	Dr. Tuhin Ghosh
NSS Special Camp	2016	NSS Unit, Durgapur Government College	Go Green and Save The Campus	Dr. Tuhin Ghosh
NSS Special Camp	2016	NSS Unit, Durgapur Government College	Gender Equality for Sustainable Development	Dr. Nivedita Acharjee
Awareness Programme on International Women's Day	2016	Cell for Gender Sensitization and Protection of Sexual Harassment against Women, Durgapur Government College	Gender Equality: Indispensable yet overlooked	Dr. Nivedita Acharjee

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards....

None

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme

- All Postgraduate students of SEM IV are involved in a project work for the entire semester, as a part fulfillment of their M. Sc. Degree. For the academic session 2015-2016, total 12 PG dissertations were completed from this department.
- All undergraduate students do a project on "Environmental Science" as the part of their course curriculum.

- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies

Around 13% of the admitted PG students are placed in research laboratories for projects and PhD degree for the past 4 years

23. Awards / Recognitions received by faculty and students

Dr. Arup Kumar Ghosh

- Obtained the **Best Paper Award** in 14th West Bengal State Science and Technology Congress-2007 in Technology Division at **Jadavpur University**, Kolkata
- Obtained the **Best Paper Award** in 15th West Bengal State Science and Technology Congress-2008 in Technology Division at **Bengal Engineering and Science University (BESU)**, Shibpur, Howrah
- Obtained the **Second Best Paper Award** in National Conference on Nanotechnology: Materials and Applications (NCoN: M & A) at School of Materials Science and nanotechnology, **Jadavpur University**, 16-17 June, 2016

Barun Bandyopadhyay

- Awarded **Dr. Mrigendranath Ghosh Gold Medal** for having secured the highest marks in B.Sc.(Hons.) Examination,1987, The University of Burdwan
- Awarded **BardhamanSammilani Gold Medal** for having secured the highest marks in M.Sc. Examination,1989, The University of Burdwan
- Awarded **University Gold Medal** for having placed 1st. in the 1st. class in M.Sc. Examination,1989, The University of Burdwan

Dr. Tuhin Ghosh

- Awarded 'Young Scientist Award' in the XXIII Carbohydrate Conference at Bhavnagar University, Gujarat on 22-24 Jan, 2009 by Association of Carbohydrate Chemist & Technologist, India [ACCT (I)] for best oral paper presentation.
- Awarded 'Outstanding Paper Award' in the 1st Regional Science & Technology Congress-2016 at Bankura Christian College, Bankura on 7-8 Nov, 2016 by DST-Government of West Bengal for best oral paper presentation.

Dr. Nivedita Acharjee

- **Best poster presentation** in UGC sponsored National Level Seminar on "Modern Trends in Chemical Sciences" during November 25-26, 2016 at Department of Chemistry, Prasanta Chandra Mahalanobish Mahavidyalaya and presented a paper entitled "**DFT Study for nitrone cycloadditions to benzylidene acetone in terms of reactivity indices, interaction energies and activation parameters**".
- **Best oral presentation** in organic Chemistry in 2ndUGC sponsored National seminar on advanced spectroscopy, theoretical chemistry, synthesis, reactivity and structure evaluation, organized by University of Burdwan, Burdwan, 20-22nd February 2009.
- **Prof. Sadhan Basu Memorial award** (by University of Calcutta) for excellence in the performance in post graduate examination, 2005.
- **Gold Medal** from University of Calcutta for 1stclass 1stposition in M.Sc. examination in the year 2005.
- **National Scholarship under National Scholarship Scheme** for B.Sc. (III year Hons.) Examination 2003 in Chemistry.
- **Umesh Chandra Memorial Cash Prize, Manoranjan Banerjee Memorial award, Pradip Kr. Ghosh Memorial Prize, Kananbala ti Purashkar** for first class first position in Chemistry Hons from Lady Brabourne College, Kolkata.
- **Certificate of Merit and National scholarship** from CBSE for being among top 0.1%students in AISSE examination, 1998.

Dr. Niloy Das

Prof. Bidyut Kamal Bhattacharyya Memorial Silver Medal (By Jadavpur University) for securing the highest total marks in Organic Chemistry Paper (Theory & Practical) at the M.Sc. Part-I & Final Examination, 2006.

24. List of eminent academicians and scientists / visitors to the department

Name	Details
Prof. Achintya Kumar Sarkar	Served the Department from 2013-2015; Awarded "Shiksha Ratna" by Government of West Bengal; Presently working in Bidhannagar Government College, Kolkata

25. Seminars/ Conferences/Workshops organized & the source of funding

1. College Sponsored One Day State Level Seminar on "**Entrepreneurship in Chemistry and its Related Areas**" on 10th February 2017.
2. UGC sponsored State Level Seminar on 25th and 26th September 2008, Title: **Present Day Chemistry under UG and PG Curricula**.

26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students admitted							Appeared in the year	No. of stud. appeared*	Pass %			
			Total	Category wise				Gender wise							
				Gen.	SC	ST	OBC	Male	Female						
Chemistry Honours (Annual)	2011	400	45	32	10	03	00	30	15	2014	27	51.9			
	2012	391	45	32	10	03	00	24	21	2015	43	48.8			
	2013	-#	24	20	03	01	00	11	13	2016	25	40.0			
	2014	375	45	34	05	00	06	28	17	Will Appear in 2017					
	2015	388	18	08	05	01	04	08	10	Will Appear in 2018					
Chemistry Honours (CBCS)	2016	259	27	16	06	00	05	18	09	Will Appear in 2019					
Chemistry Programme (CBCS)	2016		07	06	01	00	00	04	03	Will Appear in 2019					
M.Sc. Chemistry	2011	Admitted by University	20	15	05			14	06	2013	15	100			
	2012		19	14	05			11	08	2014	13	92			
	2013		11	08	03			08	03	2015	12	92			
	2014		12	07	05			07	05	2016	12	100			
	2015		12	07	05			07	05	Will appear in 2017					
	2016		12					05	07	Will appear in 2018					

*Includes UG candidates of the current session and reappeared candidates from previous years

#Admission Through Centralised Counselling by University of Burdwan

27. Diversity of Students (current students)

All students of the department are from same state (West Bengal)

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

About 8-9 students from each batch of PG students have cleared School Service Commission examination of West Bengal.

29. Student progression

Student progression	Against % enrolled
UG to PG	60%
PG to M.Phil.	--
PG to Ph.D	13%
Ph.D. to Post-Doctoral	---
Employed	
• Campus selection	-----
• Other than campus recruitment	70%
Entrepreneurship/Self-employment	---

30. Details of Infrastructural facilities

a) Library

Total 971 books (PG=400 books and 12 Journals; UG= 571 books)] are present in the seminar library of the department. Teachers and students can borrow text as well as reference books from here. This is maintained by our faculty members.

In-charge: PG: **Dr. Niloy Das**

UG: **Dr. Tuhin Ghosh**

b) *Internet facilities for Staff & Students:* Computers (desktop and laptop) with internet connection accessible to departmental faculty and staff. Wi-Fi facility is available in the department.

c) *Class rooms with ICT facility:* **Nil**

d) *Laboratories:* Total five laboratories are present for 1st, 2nd and 3rd year students of honours and general/programme courses and post graduate students.

31. Number of students receiving financial assistance from college, university, government or other agencies

Course	Financial Assistance received
Undergraduate	Swami Vivekananda merit cum means scholarship received in 2015 by following 3rd year (Hons) students: 1. Priti Ash, Roll no: 145 2. Mahadeb Gorai, Roll no: 207 3. Arnab Banerjee, Roll no: 23 4. Mintu Kapri, Roll no: 133
Post graduate	INSPIRE scholarship received by following students of Semester IV. 1. Angana Pan, Roll no: 1 2. Dipanwita Maity, Roll no: 2 3. Riya Mukherjee, Roll no: 3 4. Sudeshna Chatterjee, Roll no: 11

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

One Day State Level Seminar was organized by the Department on "**Entrepreneurship in Chemistry and its Related Areas**" for the enrichment of Students. Dr. Suprakash Roy, Assistant Professor of Chemical Technology, from Department of Technical Education and Training, Government of West Bengal, delivered lecture on the areas of chemistry which can be identified by the students for entrepreneurship. Specific examples were given to students where knowledge of simple basic chemistry has led people to become successful entrepreneurs.

33. Teaching methods adopted to improve student learning

- PowerPoint presentations with the help of LCD projectors used to demonstrate different topics
- Group discussions during practical classes
- PG students are taught softwares such as Chem Draw, Gauussion and Gauss view.
- e-book links and suggestions are provided to the students for better understanding.
- Interactive sessions between faculty and students through social networking sites

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The post graduate students perform social outreach activities as part of their course syllabus in the final semesters. Students participated in International Women's Day Celebration organized by Cell for Gender Sensitization of Durgapur Government College. Faculty Members are actively engaged in different extension related activities. Dr. Niloy Das, Faculty of the Department was the Programme Officer of NSS Unit-I of the institution during the academic session 2014-15. Dr. Niloy Das, Dr. Tuhin Ghosh and Dr. Nivedita Acharjee delivered special lectures in NSS Special Camp in the year 2016.

35. SWOC analysis of the department and Future plans

STRENGTH

- Combination of Senior and Junior Faculty members to ensure effective teaching, research orientation and dynamism.
- Seminar library enriched with several text books, reference study materials and advanced course material.
- Department Equipped with Computer based teaching aids.

WEAKNESS

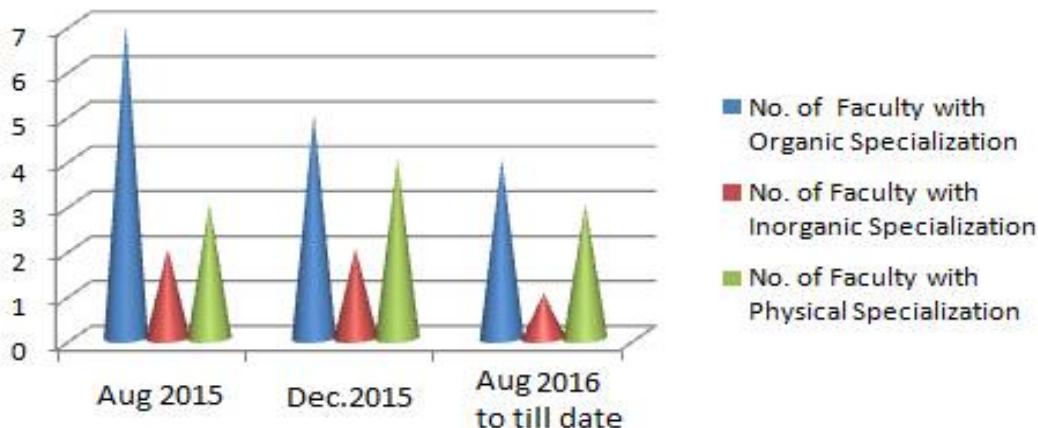
- Shortage of Faculty Members and administrative Staff.
- Shortage of laboratory space
- Lack of advanced spectral Equipments.
- Computer facilities are limited for students
- Lack of ICT classrooms

OPPORTUNITY

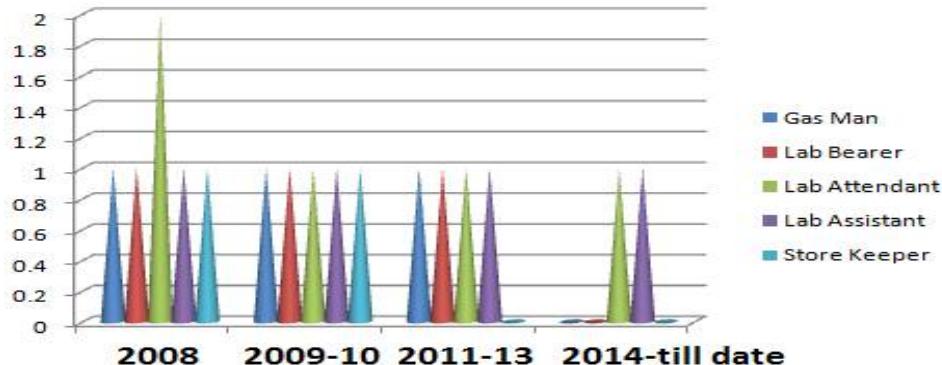
- Quality Education under the guidance of experienced and energetic faculty members
- Hands on training on computational chemistry under the guidance of faculty members
- PG students prepare research based projects which helps in their progression to research oriented jobs and PhD courses.
- Jobs in Chemical Industries, Testing Centres and R&D Laboratories.

CHALLENGES

- Transfer Policy of Faculty members: The department involves acute shortage of faculty members due to transfer policy. Following is the trend of fluctuation of the number of faculty members from August 2015 to August 2016.



- Decline in New appointments for administrative and technical staff.



- Lack of College Fund to arrange lectures by external experts.
- Lack of Financial Collaboration with chemical industries due to deficiency of chemical industries in West Bengal.

FUTURE PLANS

- Application to the competent authority for renovation of existing laboratories
- Applying to the agencies for financial assistance to organize workshops, seminars and conferences
- Organization of student seminars
- Applying for minor and major research projects on a larger scale

- Increasing the subscription of chemistry journals in the central library
- Providing suggestions to University for improvement of the syllabus of undergraduate and postgraduate courses with the objective of imparting a pre-research methodology study to the students.
- Imparting the knowledge of applied chemistry (specifically industrial chemistry) to the students with practical training to enrich their work experience.
- Introducing M.Tech. and intergrated M.Sc./Ph.D. courses in the near future through proper channel.

Department of Commerce

1. Name of the department **Commerce**
2. Year of Establishment **1982**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Undergraduate Courses with Commerce

4. Names of Interdisciplinary courses and the departments/units involved
Nil
5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	B.Com. Honours in Accountancy	Till 2015	Annual
2	B.Com. Honours Programme	From 2016	CBCS
3	B.Com. Programme	From 2016	CBCS

6. Participation of the department in the courses offered by other departments
Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
8. Details of courses/programmes discontinued (if any) with reasons
Nil
9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	-	-
Associate Professor	08 *	04 (Through CAS)
Assistant Professor		01

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme (CAS).

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Debasish Maitra	M.COM.; L.L.B.	ASSOCIATE PROFESSOR	ACCOUNTING AND FINANCE	32	-
Ashis Kumar Mukhopadhyay	M.COM.; M.PHIL.; DIM	ASSOCIATE PROFESSOR	ACCOUNTING AND FINANCE	32	-
Jayanta Kumar Mitra	M.COM.; M.PHIL.; ACMA	ASSOCIATE PROFESSOR	ACCOUNTING AND FINANCE	26	-
Sanjoy Kumar Roy; (Officer in Charge of the college)	M.COM.	ASSOCIATE PROFESSOR	ACCOUNTING AND FINANCE	18	-
Deep Banerjee	M.COM.	ASSISTANT PROFESSOR	ACCOUNTING AND FINANCE	2	-
Dr. Gautam Chatterjee	M.SC. (ECON.); FCMA; CFA; Ph.D.	PART TIME FACULTY	ECONOMICS	24	-
Chandan Chatterjee	M.A. (ECON); PGDM; MBA	PART TIME FACULTY	ECONOMICS	20	-
Dilip Kumar Banerjee	M.COM.	PART TIME FACULTY	ACCOUNTING AND FINANCE	09	-
Bijoy Bhattacharjee	M.COM; M.PHIL.	PART TIME FACULTY	ACCOUNTING AND FINANCE	09	-
Partha Sarathi Adhikary	M.COM.	PART TIME FACULTY	ACCOUNTING AND FINANCE	12	-
Rabindranath Kundu	M.A. (ENGLISH)	PART TIME FACULTY	ENGLISH	11	-

11. List of senior visiting faculty

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 42% of total lectures delivered

Sl. no	Name of Part time faculty	Classes taken (out of total undergraduate classes allotted for the department)
		Lectures (%)
1	Dr. Gautam Chatterjee	7%
2	Chandan Chatterjee	7%
3	Dilip Kumar Banerjee	7%
4	Bijoy Bhattacharjee	7%
5	Partha Sarathi Adhikary	7%
6	Rabindranath Kundu	7%

13. Student -Teacher Ratio (Programme wise)

Sl. No.	Course	Student: Teacher Ratio
1	B.Com. Honours, Semester I	7:1
2	B.Com. Programme, Semester I	5:1
3	B.Com. 2 nd year (Honours)	12:1
4	B.Com. 2 nd year (General)	30:1
5	B.Com. 3 rd year, (Honours)	29:1
6	B.Com. 3 rd year (General)	44:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Nil

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	01	03	07

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Nil

18. Research Centre /facility recognized by the University

Nil

19. Publications:

Sl. No.	Publications of the faculty members	Total number
1	Research articles/Reviews	16
2	Books	10
3	Book Chapters in Edited Volumes	02
4	Conference Proceedings	-

Faculty Name	Publication						Citation	h index
	Books with ISBN/ISSN	In Peer Reviewed Journal	Book Chapters/Articles in Edited Volume	Conference Proceeding	Monographs	Abstracts		
Debasish Maitra	-	03	01	-	-	-	-	-
Jayanta Kumar Mitra	04	-	-	-	-	-	-	-
Sanjoy Kumar Roy	-	10	-	-	-	-	-	-
Deep Banerjee	-	02	01	-	-	-	-	-

20. Areas of consultancy and income generated

Nil

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards....

Sanjoy Kumar Roy: Associate Editor of North Face: Academic Journal of Darjeeling Government College (Issue: Oct. 2016, Volume: 1, ISSN: 2455-5002, RNI: WBMUL00643.

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

All undergraduate students do a project on "Environmental Science" as the part of their course curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies **Nil**

23. Awards / Recognitions received by faculty and students

Jayanta Kumar Mitra ; Associate Professor

Received Gold Medal from the Governor of West Bengal by securing top position in M.Com. Examination of Calcutta University in the year 1988. Received Certificate of Merit from the Institute of Cost Accountants of India (ICAI) in the year 1989

24. List of eminent academicians and scientists / visitors to the department
NIL

25. Seminars/ Conferences/Workshops organized & the source of funding:

State Level Workshop on "Modalities and Practices of IFMS and Income Tax: User End Responsibilities", organized on 27th and 28th April 2016. It is funded by College.

26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students admitted							Appeared in the year	No. of stud. appeared*	Pass %			
			Total	Category wise			Gender wise								
				Gen.	SC	ST	OBC	Male	Female						
Accountancy Honours (Annual)	2011	900	170	119	40	11	00	126	44	2014	157	72.6			
	2012	479	168	117	40	11	00	71	97	2015	191	76.9			
	2013	--#	161	111	21	03	26	94	67	2016	136	72.1			
	2014	376	200	181	05	01	13	111	89	Will Appear in 2017					
	2015	545	115	96	12	03	04	66	49	Will Appear in 2018					
B.Com General (Annual)	2011	800	500	355	114	31	00	244	256	2014	142	59.9			
	2012	614	500	355	114	31	00	228	272	2015					
	2013	529	508	438	49	06	15	329	179	2016	290	43.4			
	2014	447	342	314	18	04	06	245	97	Will Appear in 2017					
	2015	519	272	254	12	02	04	203	69	Will Appear in 2018					
B.Com Hons Programme (CBCS)	2016	415	63	43	16	01	03	34	29	Will Appear in 2019					
B.Com Programme (CBCS)	2016		37	33	01	00	03	20	17	Will Appear in 2019					

*Includes candidates of mentioned academic session and reappeared candidates from previous years

#Admission Through Centralised Counselling by University of Burdwan

27. Diversity of Students (current students)

All students of the department are from same state (West Bengal)

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression:

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D	
Ph.D. to Post-Doctoral	
Employed	--
<ul style="list-style-type: none"> • Campus selection 	Ejaz Ahmed and Suman Bishnoi, students of Commerce Department got selected in HSBC on 15.02.2017
<ul style="list-style-type: none"> • Other than campus recruitment 	

30. Details of Infrastructural facilities

a) *Library*: The Department does not have a seminar library. Books and references are available in the Central Library for the students.

b) *Internet facilities for Staff & Students*: This facility is available to all students and teachers of this Department. Students and teachers can use internet facility and avail Wi-Fi facility in the department.

c) *Class rooms with ICT facility*: **Nil**

d) *Laboratories*: **Nil**

31. Number of students receiving financial assistance from college, university, government or other agencies.

Students can apply online for their scholarship and they get approval from the appropriate authority directly via e-mail and the money directly credited to their individual accounts

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Nil

33. Teaching methods adopted to improve student learning

Apart from the traditional technique, Power Point presentation, Audio-Visual aids (videos on subject related topics), Group Discussion, etc., are used to improve the teaching process. The department often arranges personal counselling for weak students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students of the commerce department participate in NSS and NCC programmes. They also participate in Games, Exhibition and other cultural activities.

Following is the list of students participated in NCC programme:

(i) Indrani Mukherjee; (ii) Abhoy Barik; (iii) Saukat Mondal; (iv) Sudip Sen; (v) Subhrajit Mondal; (v) Vikky Singh; (vi) Soumik Sarkar; (vii) Anamika Goral; (viii) Ruma Kumari Singh; (ix) Avijit Goswami; (x) Manbir Singh Kang; (xi) Md. Muzhir; (xii) Rahul Kumar Pandit; (xiii) Raja Sarkar; (xiv) Satbir Singh; (xv) Sauvik Bhattacharjee; (xvi) Misroom Khatun; (xvii) Rianka Lohar; (xviii) Dinesh Gon; (xix) Praloy Dey; (xx) Sonu Kumar Bhagat.

Following is the list of students participated in NSS programme:

(i) Sauvik Saha; (ii) Puja Chakroborty; (iii) Sanjusree Roy; (iv) Dipendu mondal; (v) Amit Kabiraj; (vi) Dipak Pd. Burnwal; (vii) Ranit Kumar Banik; (viii) Deep Chakroborty; (ix) Susovon Roy; (x) SamratChoudhury; (xi) Md. Mohid Khandakar.

35. SWOC analysis of the department and Future plans

STRENGTH	WEAKNESS
<ul style="list-style-type: none"> ➤ Competent, motivated and caring teachers having full knowledge of students' needs. ➤ Proper blend of highly experienced and energetic young teachers. ➤ Excellent internal ambience to ensure proper teaching and learning process. ➤ Emphasis on practice-oriented teaching. ➤ Adequate support to slow learners through tutorial classes and counselling. 	<ul style="list-style-type: none"> ➤ Financial constrain to start job-oriented vocational courses. ➤ Limited scope to introduce self financed highly-demanded courses. ➤ Poor communication skill of students especially coming from rural areas. ➤ Low exposure of students to the present business scenario in the post-globalization era. ➤ Deficiency of class rooms, after starting day section.
OPPORTUNITIES	CHALLENGES
<ul style="list-style-type: none"> ➤ Ensuring more use of modern technology-based tools in teaching-learning process. ➤ Introducing skill development programs for students. ➤ Arranging soft-skill improvement programs especially for students coming from rural areas. ➤ Providing job-oriented training and counselling to students. ➤ Acquainting students with the scope of higher studies and other professional and vocational courses 	<ul style="list-style-type: none"> ➤ Taking initiative to attract more and more quality students. ➤ Inculcating job-oriented skill among students to make them more employable. ➤ Updating students with the benefits of latest technologies available in the teaching-learning process. ➤ Preventing drop out of girl students due to their early marriages especially in rural areas. ➤ To arrange study tour for students to different factories/companies.

Future Plans

- a) To introduce Post Graduation course in Commerce (M.com.) provided vacant teaching posts are filled up and if authority create new post of teachers and guest or part time teachers.
- b) To initiate self-employment education scheme for students such as Entrepreneurship Development Program, Diploma in Animation, etc.
- c) To organize State and National Level Seminars for teachers by taking sponsorship from UGC.
- d) To organize National Level Competition for students on various innovative business ideas.
- e) To conduct special lectures for students by inviting subject experts from various universities and industries.
- f) To acquaint students with the skills and other things as demanded by corporate industrial houses.
- g) To introduce vocational courses for students on various job-oriented subjects.
- h) To arrange soft-skill development programs for rural students in collaboration with outside agencies.
- i) To conduct more syllabus-oriented seminars and workshops for students.
- j) To establish career guidance cell for students so that they may get good jobs and opportunities in future.
- k) To arrange study tour for commerce students to different factories/companies in order to enrich their practical knowledge.
- l) To start Commerce Alumni Association.

Department of Conservation Biology

1. Name of the department **Conservation Biology**
2. Year of Establishment **2007**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Post Graduate Course with Conservation Biology
4. Names of Interdisciplinary courses and the departments/units involved
Nil
5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	System
1	M.Sc. in Conservation Biology	Semester/CBCS
6. Participation of the department in the courses offered by other departments
NIL
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**
9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	00	-
Associate Professor	06 *	-
Assistant Professor	01	01

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Moitreyee Chakraborty	M.Sc., PhD	Assistant Professor (HOD)	Cytogenetics and Molecular Biology	14	-
Dr. Aloke Kumar Mukherjee	M.Sc., Ph.D	Part Time Faculty	Environmental Toxicology	09	-
Sanghamitra Sanyal	M.Sc	Part Time Faculty	Inorganic Chemistry	08	-

11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Sl. no	Name of Part time faculty	Course	Classes taken (out of total postgraduate classes allotted for the department)	
			Lectures (%)	Practical (%)
1	Dr. Aloke Kumar Mukherjee	Postgraduate	20%	30%
2	Sanghamitra Sanyal		20%	30%

The following faculty members are involved in the teaching of the in the Department of Conservation Biology:

1. Dr. Sudipta Das, (M.Sc., PhD), Associate Professor, Department of Zoology.
2. Dr. Utpal Singha Roy, (M.Sc., PhD), Assistant Professor, Department of Zoology.
3. Kuntal Bhattacharyya, (M.Sc.) Assistant Professor, Department of Zoology.
4. Moutusi Sen, (M.Sc.) Assistant Professor, Department of Botany.
5. Dr. Tuhin Ghosh, (M.Sc., PhD) Assistant Professor, Department of Chemistry.
6. Dr. Niloy Das, (M.Sc., PhD), Assistant Professor, Department of Chemistry.
7. Dr. Pinaki Roy, (M.Sc., PhD), Assistant Professor, Department of Geology.

13. Student -Teacher Ratio (Programme wise)

Sl. no	Course	Student-Teacher Ratio
1	M.Sc. in Conservation Biology	2.7:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Nil

(The Department does not have any sanctioned post of academic support staff. One casual staff, Subhas Mondal works for the department)

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	02	-	01

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Dr. Debnath Palit, Associate Professor of Botany, received the following ongoing projects while he was in the charge of Department of Conservation Biology.

Title	PI	Funding agency	Period	Total grant	Status
Studies on microbial diversity in some selected colliery Raniganj coal belt, West Bengal, India : Implications of reclamation of restoration of mined wasteland	Dr. Debnath Palit, Assistant Professor, Department of Botany, Durgapur Government College	Department of Science and Technology, Govt of India- (INSPIRE Project)	2012-2017	18,50,000/-	Ongoing
Ecological appraisal of pit lakes of Raniganj coal field (RCF),West Bengal, India: implications for conservation and sustainable use	Dr. Debnath Palit, Assistant Professor, Department of Botany, Durgapur Government College	Department of Science and Technology, Government of West Bengal	2011-2016	29,17,533/-	Ongoing

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received;
Refer to Q.16 for details

18. Research Centre /facility recognized by the University:

Dr. Debnath Palit, Associate Professor of Botany Department, is the Recognized Research Guide (Supervisor) in Conservation Biology under the University of Burdwan (Vide letter no --- R-Ph.D. / Recognition/ Conservation Biology dated 17.01.2012). Please Refer to Ans: 3.1.5 of Chapter 3 for details of PhD guidance by Dr. Debnath Palit.

19. Publications:

Faculty Name	Publication						Citation	h index
	Books with ISBN/ ISSN	In Peer Reviewed Journal	Book Chapters/Articles in Edited Volume	Conference Proceeding	Monographs	Abstracts		
Dr. Moitreyee Chakraborty	--	09	--	01	--	09		
Dr. Aloke Kumar Mukherjee	01	21	01	04	--	18		
Sanghamitra Sanyal	--	06	--	02	--	--		

20. Areas of consultancy and income generated

Prepared a Biodiversity report about Areas near Gorpanchakot, of Panchet Reservoir, Dist. Purulia, West Bengal, to, EMTRC, a New Delhi based NGO working on EIA assessments for Industries in May 2015. The students also got firsthand experience in dealing with NGOs. Income generated: NIL

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards....

None

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

• All Postgraduate students of SEM IV are involved in a project work for the entire semester, as a part fulfillment of their M. Sc. Degree. For the academic session 2015-2016, total 12 PG dissertations were completed from this department.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies

Please Ref. to Q. 29

23. Awards / Recognitions received by faculty and students

Awards/Recognitions received by faculty members during last 5 years:

NIL

Awards/Recognitions received by students:

3. Mayukh Mukhopadhyay received second prize for oral presentation at ICBAT, ANU, Nagarjunanagar, Andhra Pradesh, 2011
4. Aparajita Mukherjee received 1st prize for best oral presentation in CBCNR Seminar, Koraput, 2014
5. Rounaq Ghosh secured first position in Poster presentation on "Human Animal Conflict" in Annual Exhibition 2014-2015 at Durgapur Government College
6. Dr Santanu Gupta is an INSPIRE faculty and is posted in SACCON in 2015

24. List of eminent academicians and scientists / visitors to the department:

NIL

25. Seminars/ Conferences/Workshops organized & the source of funding:

NIL

26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students enrolled (2011-2015), admitted (2016)						Appeared in the year	No. of stud. appeared	Pass %		
			Total	Category wise				Gender wise					
				Gen.	SC	ST	OB	Male	Female				
M.Sc. Conservation Biology	2011	Admitted by University	06	06	00			02	04	2013	06	100	
	2012		06	06	00			03	03	2014	06	100	
	2013		06	06	00			03	03	2015	06	100	
	2014		07	07	00			01	06	2016	07	100	
	2015		03	03	00			02	01	Will appear in 2017			
	2016		08	07	01			08	00	Will appear in 2018			

27. Diversity of Students (current students)

All students of the department are from same state (West Bengal)

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

One student has qualified GATE in 2009 and One student has qualifies NET in 2011

29. Student progression

Student progression	Against % enrolled
UG to PG	N.A.
PG to M.Phil	
2011-2012	0
2012-2013	0
2013-2014	0
2014-2015	0
2015-2016	14.28
PG to Ph.D.	
2011-2012	57.14
2012-2013	22.22
2013-2014	33.33
2014-2015	16.67
2015-2016	71.42
Ph.D.to Post-Doctoral	
2011-2012	0
2012-2013	0
2013-2014	0
2014-2015	16.66
2015-2016	50
Employed	
2011-2012	0
2012-2013	50
2013-2014	33.33
2014-2015	50
2015-2016	14.28

Performance in national and state competitive examinations:

Name of the Examination	Year	Number of successful students
GATE	2009	01 (out of 12/ 8.33 %)
NET	2011	01 (out of 09/ 11.11 %)

30. Details of Infrastructural facilities

- a) Library:** Seminar Library with 444 books; In-charge: Dr. Moitreyee Chakraborty
- b) Internet facilities for Staff & Students:** Internet facility with one user port (Used by departmental teachers, one practical class for Bioinformatics and Computer Application is undertaken for students under proper guidance of teacher, log book is maintained accordingly)
- c) Class rooms with ICT facility:** Nil (One shared seminar room with LCD projector facilities is present)
- d) Laboratories:** Three (1 M. Sc. General Practical Lab, 1 Research Lab, 1 Special Practical Lab)

31. Number of students receiving financial assistance from college, university, government or other agencies

Three students have got Post Graduate Indira Gandhi Single Girl Child Scholarship of UGC from 2013-2015.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

- Students have participated in UGC-COP sponsored course on wild life census technique.
- A debate entitled "Biodiversity is not essential for sustainable development" organized on occasion of International Biodiversity Day at Durgapur Government College, May 2015.
- Research scholars and the pass out students of 2014-15 and 2015-16 participated in short term courses in water quality analysis offered by Department of Chemistry, National Institute of Technology and Department of Environmental Studies, University of Burdwan.

33. Teaching methods adopted to improve student learning

- Chalk and Talk
- PowerPoint presentations with the help of LCD projectors used to demonstrate different topics
- Field tours are carried out to the marine and protected forest areas of the country (including Bhitarkanika, Digha Coastal zone and adjoining areas, Ranathambhore, Kanha, Buxa, Gorumara, Chapramari, Jaladapara, Rasikbeel and Sreekhola) where the students get an in-depth understanding of all the aspects of nature. They also submit field reports based on the study they carry out during the trip.
- Apart from field tours, students have been taken to the Sunderbans where the students had individually handled the tranquilizing darts and gun used by the Forest Department to immobilize or sedate an animal (this was organized with the help and cooperation of the Field Director Dr. Subrata Mukherjee under UGC-COP).

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

NIL

35. SWOC analysis of the department and Future plans

STRENGTH

The department is the sole department of its kind not only in West Bengal but in Eastern India. For several years, there has been a demand for increased research and monitoring of the biological resources and the physical habitats all over the country. With the list of species facing the threat of extinction constantly increasing, their conservation often requires a scientific approach. Ever growing population and different developmental activities are fast altering the habitats. The management plans for protected areas all over India require sufficient number of trained personnel with a strong scientific basis for their successful implementation. Species populations, community structures and interactions, management practices and conservation of habitats need constant monitoring if conservation efforts are to be effective. All of these require trained personnel. This course was started aiming at creating a corps of Conservation biologists who will effectively tackle these issues. Wildlife Biology, Habitat Ecology and Conservation Biology are relatively new subjects within the university systems in India. A number of colleges offer as a part of papers at the B.Sc. or as elective/special papers at the M.Sc. levels but very few institutions integrate animal ecology, plant ecology and habitat ecology into a single discipline on a holistic conservation platform.

WEAKNESS

The department still lacks full strength faculty members and this is a major weakness for the department apart from infrastructural requirements. The department also lacks any ICT or dry lab with appropriate IT facilities to carry out many of the prescribed materials.

OPPORTUNITY

This course under the University of Burdwan and now under Kazi Nazrul University has already established itself as a course program and our alumni have got involved in organizations of International repute including IISc, SACCON and BNHS. This course is providing an in-depth look at the concepts and issues surrounding the conservation wild flora and fauna and thus is taking active part in sustainable development of our country. Students who have successfully completed the course have qualified in National level eligibility tests like GATE and NET and four of the students have already been awarded the Ph.D degree from the University of Burdwan and two has got registered for Dr. D. S. Kothary Post-Doctoral Research Fellowship at Jadavpur University and University of Calcutta respectively. More than 10 are presently pursuing their doctoral research in several national institutions. Apart from this students have been absorbed in Government jobs like the West Bengal Forest Service and several other NGOs and serving for sustainable development conserving biodiversity. So it may aptly be said that the goal of the course is divided between conservation of rare and endangered floral and faunal composition and conservation of landscape has been achieved to a certain extent.

CHALLENGES

The major constraint of this course is that the students passing from department do not get the proper credit of MSc degree when they sit for School Service Examination (SSC) like other subjects offered at Master Degree level. Another challenge is that reserved seats are not filled up in each academic year and though the intake capacity is 15, enrolment of student is restricted to 07/08 on general quota.

FUTURE PLANS

- In order to overcome the constraint as explained earlier steps has been taken to incorporate this course acceptable in SSC.
- The faculty of the department in collaboration with National Institute of Technology has submitted a Major Research Project to Department of Science and Technology, West Bengal on conservation of avifauna in August 2016.

Department of Economics

1. Name of the department **Economics**
2. Year of Establishment **1970**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Undergraduate Courses with Economics
4. Names of Interdisciplinary courses and the departments/units involved
Generic Elective Course is offered for students of English, History and Political Science (1st and 2nd Semester) Honours Course wef academic year 2016-17.
5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	Honours in Economics	Till 2015	Annual
2	Honours in Economics	From 2016	CBGS
3	Programme with Economics	From 2016	CBGS

6. Participation of the department in the courses offered by other departments
 - **Elective Paper of English, Bengali, History, Philosophy, Political Science Honours Course**
 - **Discipline Specific Core Course Paper of Bengali and Political Science Programmes**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**
9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	00	-
Associate Professor	04 *	01 (Through CAS)
Assistant Professor		01

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Samapti Saha	M. A., M.Phil	Associate Professor (HOD)	Econometrics and Trade/ Women Empowerment and Rural Development	16	-
Dr. Debasis Chakraborty	M. A., M.Phil Ph.D.	Assistant Professor	Statistics and Econometrics	06	-

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

No temporary faculty serves the department

13. Student -Teacher Ratio (Programme wise):

Sl. no	Course	Student-Teacher Ratio
1	B.A. Honours, Semester I	5.5:1
2	B.A. Programme, Semester I	1.5:1
3	B.A. Generic, Semester I	5:1
4	B.A. 2 nd year (Hons)	2:1
5	B.A. 2 nd year (General)	90:1
6	B.A. 3 rd year, (Hons)	4.5:1
7	B.A.3 rd year (General)	55:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **Nil**

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	01	01	-

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Title	PI	Funding agency	Period	Total grant	Status
The Effect of National Rural Employment Guarantee Scheme (NREGS) on Migration of Labour: A Case Study	Samapti Saha	UGC	2012-14	1,11,000	SUBMITTED

18. Research Centre /facility recognized by the University: **Nil**

19. Publications:

Sl. No.	Publications of the faculty members	Total number
1	Research articles/Reviews	18
2	Books	01
3	Book Chapters in Edited Volumes	03
4	Conference Proceedings	01

Faculty Name	Publication						Citation	h index
	Books with ISBN/ISSN	In Peer Reviewed Journal	Book Chapters/Articles in Edited Volume	Conference Proceeding	Monographs	Abstracts		
Samapti Saha	-	12	01	01	-	02*		
Dr. Debasis Chakraborty	01	05	02	-	-	-		

*Samapti Saha presented a paper in the national seminar on "Participatory Decentralized Planning at the Grassroots: Problems, Challenges and Opportunities", 9th-10th February, 2017 at NIRDPR, Hyderabad, An organization of the Ministry of Rural Development, Government of India.

20. Areas of consultancy and income generated:

One of the Faculty members participates in different events as resource person. The remuneration (if any) received is shared personally by the faculty member.

Participation of the faculty member in Seminars/ Conferences/Workshops as resource person

Event	Date	Organized by	Title of the paper	Resource Person
Women Education and Empowerment	08.03.2016	Jhargram Raj College	Educational Status of Recent Women Panchayat Members in West Bengal	Samapti Saha

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards....**None**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

All undergraduate students do a project on "Environmental Science" as the part of their course curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:

NIL

23. Awards / Recognitions received by faculty and students

Awards/Recognitions received during last 5 years:

Samapti Saha: Best Paper Award in Track Management (M-I) in the first International Conference on Challenges in Management & Information Technology (CMIT)-2014 organized by Bengal College of Engineering & Technology in Technical Association with National Institute of Technology (NIT) Durgapur on January 10, 2014.

24. List of eminent academicians and scientists / visitors to the department:

NIL

25. Seminars/ Conferences/Workshops organized & the source of funding: **NIL**

26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students admitted							Appeared in the year	No. of stud. appeared*	Pass %			
			Total	Category wise			Gender wise								
				Gen.	SC	ST	OBC	Male	Female						
Economics Honours (Annual)	2011	150	56	43	13	00	00	24	32	2014	05	40.0			
	2012	92	60	43	13	04	00	46	14	2015	08	87.5			
	2013	-#	18	16	02	00	00	10	08	2016	08	50.0			
	2014	41	15	14	01	00	00	05	10	Will Appear in 2017					
	2015	40	10	09	01	00	00	03	07	Will Appear in 2018					
Economics Honours (CBCS)	2016	56	18	18	00	00	00	03	15	Will Appear in 2019					
Economics Programme (CBCS)	2016		05	05	00	00	00	02	03	Will Appear in 2019					

*Includes UG candidates of the current session and reappeared candidates from previous years

#Admission Through Centralised Counselling by University of Burdwan

27. Diversity of Students (current students)

All students of the department are from same state (West Bengal)

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NA

29. Student progression:

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	
PG to Ph.D	
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	-----
• Other than campus recruitment	70%*
Entrepreneurship/Self-employment	5%**

* **Monali Samaddar**, a student of the department, after doing PG from University of Mumbai, working as Research Associate in Japan Macro Advisors, Bangalore. **Tanmoy Karmakar**, a student of the department, after doing PG from Calcutta University, working in India Post. **Madhurima Mazumder**, a student of the department, after doing PG from University of Mumbai, working at Willis Towers Watson India.

** **Debarghya Sengupta**, a student of the department, is a successful entrepreneur and professional photographer with his company FRESCO. He has been enlisted as India's Top 50 photographer (under Bride and Groom Category) by "Better Photography" Magazine. One of our student **Aishik Sarkar** is also a successful entrepreneur as he is the Chief Manager of "BuyCycles".

30. Details of Infrastructural facilities

a) *Library*: The department has a Seminar library with 184 books. Dr. Debasis Chakraborty is in-charge of the seminar library.

a) *Internet facilities for Staff & Students*: The Department does not involve internet and computer facilities separately. Faculty members can access internet facilities in the staff room, Principal's Office and Library. Students can access computers only in Central Library. Total 3 computers are available in the central library for public access.

c) *Class rooms with ICT facility*: **Nil**

d) *Laboratories*: **Nil**

31. Number of students receiving financial assistance from college, university, government or other agencies: 01, Roll No.: 15AH/377 (OBC)
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: **NIL**
33. Teaching methods adopted to improve student learning
Department mainly uses chalk and talk methods for teaching. Apart from that projects are assigned to the students as a part of internal assessment.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **NIL**
35. SWOC analysis of the department and Future plans

Strength

1. Seminar library enriched with several text books, reference study materials and advanced course material to cater the Honours student of the department.
2. Quality Students who come from mainly English Medium background.

Weakness

- Acute shortage of Faculty Members.
- Shortage of classroom.
- Lack of Computer facilities for students.
- Statistics is not available as a combination subject.

Opportunities

- Quality Education under the guidance of experienced and energetic faculty members.
- Under CBCS through Generic Paper students from other departments could learn the basic aspect of economics.
- Jobs in various sectors of market like Finance, Banking, Analytics etc. along with Government sector jobs.
- Higher studies through M.Phil, Ph.D, MBA.
- Collaboration (e.g MOU) can be made with other educational institutes (Locally or at State and National Level) for Teacher, Student Exchange Programme.

Challenges

- Transfer Policy of Faculty members and decline in new appointments
- Lack of Departmental Room with basic computer facilities.
- Lack of Fund to arrange lectures by external experts.
- Lack of Fund to arrange Educational tours and socio-economic surveys
- Lack of Fund to subscribe major economic journals, websites, software packages for both teacher and students.

Future plans

- To collaborate with other educational institutions of Durgapur for both teacher and student exchange programme.
- To conduct special lectures to enlighten the students about the job and other opportunities after UG in economics.
- To conduct more socio-economic surveys, both large scale and small scale, in various areas of this industrial belt.

Department of English

1. Name of the department **English**
2. Year of Establishment **1970**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Undergraduate: Annual & CBCS (6 Semester Pattern)

Sl. No.	Name of the Course	Students admitted in the Year	System
1	3-yr BA (Honours) in English	2016	CBCS (6 Semester Pattern)
2	3-yr BA (Programme) in English	2016	CBCS (6 Semester Pattern)
3	3-yr BA (Honours) in English	2014, 2015	Annual Pattern
4	3-yr BA (General) in English	2014, 2015	Annual Pattern

4. Names of Interdisciplinary courses and the departments/units involved
Generic Elective Course: 'Literature and Film' (Semester I); 'Gender' (Semester II) of History, Economics and Political Science (1st Semester) Honours Course wef academic session 2016-17
5. Annual/ semester/choice based credit system (programme wise)
Please refer to the answer to Question 3.
6. Participation of the department in the courses offered by other departments
 - **Modern Indian Languages (MIL) paper of all B.A./B.Sc. courses under CBCS curriculum**
 - English as an Elective Paper of all Honours subjects in the Humanities course except Bengali, English and Sanskrit
 - Discipline Specific Core Course Paper of Economics, History, Philosophy, Political Science and Sanskrit Programmes
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**

8. Details of courses/programmes discontinued (if any) with reasons:

The following courses were run by the Department of English:

Sl. No.	Name of the Course/Programme	Period	Course Coordinator	Reasons for discontinuity	Remarks
1	UGC-Career Oriented Programme "Certificate Course in Corporate Communication" under the UGC-COP Scheme of the 11th. Plan	From 2007 to December 2011	Prof. Rajarshi Chatterjee, Department of English (presently posted at Sanskrit College and University, Kolkata). Member: Prof. Pritha Chakraborty, Department of English (presently posted at Maulana Azad College, Kolkata)	Activities gradually stopped after the transfer of the most active member	During this tenure, three batches of students – Academic Sessions July 2008 – March 2009, July 2009 – March 2010 and July 2010 – March 2012 – passed out from the college after successful completion of the "Certificate Course in Corporate Communication". Many of the students were placed in different organizations after completion of the course.
2	Learning programme "Certificate Course in Corporate Communication" to impart language and professional soft skills to undergraduate students	From 2007 to December 2011	Prof. Rajarshi Chatterjee, Department of English (presently posted at Sanskrit College and University, Kolkata)	Activities gradually stopped after the transfer of the most active member	Course coordinator devised the syllabus and course modules and prepared the study materials (written/audio-visual) and evaluation procedures for the course; <ul style="list-style-type: none"> • Set up the office, computer laboratory and equipment, library and e-resources required for the course; • Involved in the supervision and day-to-day running of the course; • Conducting admission procedures including preparation of question papers and evaluation of answer scripts of Admission Entrance Test • Preparation of class schedule, engagement and liaison with resource persons, organization of classes; Engaging of classes of students of the course on four modules of the curriculum; • All financial and administrative duties related to the running of the course • Programme was funded to the tune of 9.00 lakhs by University Grants Commission under the UGC-COP Scheme of the 11th. Plan;

Sl. No.	Name of the Course/Programme	Period	Course Coordinator	Reasons for discontinuity	Remarks
3	Entrepreneurship Development Cell of Durgapur Government College established and run in collaboration with National Entrepreneurship Network (NEN) – a non-profit organization under the Wadhwani Foundation, Mumbai	From 2008 to December 2011	Prof. Rajarshi Chatterjee, Department of English (presently posted at Sanskrit College and University, Kolkata)	Activities gradually stopped after the transfer of the most active member	Conducting day-to-day activities of the Entrepreneurship Development Cell of the college which included counselling, interaction with students regarding entrepreneurship development; (ii) Liaising with NEN on behalf of the students of the college, which included placing their business proposals – through NEN – to angel investors; (iii) Liaising with other colleges and institutions – at the local and national level – of the NEN to raise awareness about entrepreneurship development and avenues for funding of innovative business proposals; (iv) Celebration of "E-Week" – an entrepreneurship awareness programme – organized by NEN in tandem with the other institutions of the network, by holding workshops, lectures, poster competitions etc.; 3. Widespread use of audio-visual teaching aids like PowerPoint presentations, e-books etc. for the students of the department. Organization of numerous film and documentary shows for students of the department and the college

9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	00	-
Associate Professor	06 *	02 (Through CAS)
Assistant Professor		03

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to the post of Associate Professor through Career Advancement Scheme.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Devika Bose	M. A., Ph.D.	Associate Professor	Language Studies; Victorian period; Indian Writing in English; Women's and Refugee Studies; Children's Literature	35	-
Manjari Ghosh	M. A., M.Phil	Associate Professor and Head	Ancient European Classics; Victorian Drama; Indian Writing in English; Partition Literature; Children's Literature	25	-
Dr. Anindita Chatterjee	M. A., Ph.D.	Assistant Professor	Romantic and Victorian Period in English Literature; Indian Writing in English; Literature and Cultural Studies	10 years, 11 months	-
Dr. Nilanjana Chatterjee (Das)	M. A., Ph.D.	Assistant Professor	Indian English literature; Diaspora Studies; Gender Studies and Cultural Theories	07	-
Dr. Ramit Das	M. A., Ph.D.	Assistant Professor	Renaissance Drama; Literary Theory; Modern Poetry; Representation of Jews in English Literature; Metaphysical Poetry; Robert Browning	06+	-

11. List of senior visiting faculty

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

No temporary faculty serves the department

13. Student -Teacher Ratio (Programme wise):

Sl. no	Course	Student Ratio
1	B.A. Honours, Semester I	5:1
2	B.A. Programme, Semester I	4:1
3	B.A. Generic, Semester I	2:1
4	B.A. 2 nd year (Hons)	9:1
5	B.A. 2 nd year (General)	5:1
6	B.A. 3 rd year, (Hons)	9:1
7	B.A.3 rd year (General)	

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

NIL

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	04	01	-

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

NIL

18. Research Centre /facility recognized by the University:

NIL

19. Publications:

Sl. No.	Publications of the faculty members	Total number
1	Research articles/Reviews	27
2	Books	03
3	Book Chapters in Edited Volumes	11
4	Conference Proceedings	02

Faculty Name	Publication						Citation	h index
	Books with ISBN/ISSN	In Peer Reviewed Journal	Book Chapters/Articles in Edited Volume	Conference Proceeding	Monographs	Abstracts		
Dr. Devika Bose	01	03	03	-	-	-		
Manjari Ghosh	-	-	01	-	-			
Dr. Anindita Chatterjee	02	17	06	02	-	-		
Dr. Nilanjana Chatterjee (Das)	-	04	01	-	-	04		
Dr. Ramit Das	-	03	-		-			

20. Areas of consultancy and income generated:

Participation of the faculty members in Seminars/ Conferences/Workshops as resource person

Event	Date	Organized by	Title of the paper	Resource Person
UGC Sponsored International Conference "Good Places: Representations of the UTOPIC"	09.02.2017	Department of English, University of Kalyani	Representations of Utopian Family in Popular Bollywood Cinema	Dr. Anindita Chatterjee
			In search of her Utopian Andarmhal at MacArthur Ridge	Dr. Nilanjana Chatterjee (Das)

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards

Dr. Ramit Das is on the Editorial Board of the College Newsletter, ***Sangbartika***

Manjari Ghosh was on the Editorial Boards of ***Aalor Sarani Beye*** and ***In Retrospect***, both Bethune College, Kolkata publications

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme

100% - All undergraduate students of 3rd year Honours do a project on "Environmental Science" as part of their course curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:

NIL

23. Awards / Recognitions received by faculty and students

Sl. No.	Name Of Student	Class	Award/ Recognition	Event
1	Mehak Bahl & Suparna Acharya	1 st year Honours	2 nd prize	Quiz competition at Ramakrishna Vivekananda Sevashrama on the life and teachings of Swami Vivekananda and Sister Nivedita , at Pranavananda Vidyamandir , Durgapur
2	Kankana Saha	1 st year Honours	3 rd prize	
3	Sayani Debnath	1 st year Programme in English	Consolation Prize	
4	Aniket Chandra	1 st year Honours	4 th position in a Quiz competition. Team comprised a student of Physics Honours	Quiz competition
5	Nandana Dasgupta	3rd year Honours	Participation Certificate	State-Level Debate competition at Ramakrishna Mission Vidyamandir, Belur
6	Sonali Kisku	2nd year Honours	Participation Certificate	
7	Ankita Musib	2nd year Honours	Participation Certificate	
8	Anushree Mukherjee	2nd year Honours	Participation Certificate	
9	Raktima Chakraborty	3rd year Honours	Recognition by media, various organizations as a young artist	Music
10	Department Of English	All Students of the Department	3 rd Prize	College Exhibition, 2016
11	Deya Bhattacharya	(now UG III Hons), session 2016-2017	Winner of 2014 Badminton Championship for women. She was the winner in 2015 as well.	Sports
12	Mehak Bahl	1 st year Honours	Regional Level Topper, received recognition from the President of India and received the award from Sushma Swaraj, Minister, External Affairs	All India Essay Competition for the students of Kendriya Vidyalaya Sangathan, XPD division of the Ministry of External affairs

24. List of eminent academicians and scientists / visitors to the department

Name	Details
Professor Gouri Prasad Ghosh	Served the department as faculty member. His notable publications include books not only on literature but also on Astrophysics, <i>Mahabishye Mahakashe; Nakshatra Niharika Romancholoke</i> . Professor Ghosh was awarded the prestigious ' Ananda Puraskar ' in 2001, Bengali year 1407 for his ' <i>Everyman's Dictionary</i> ' (English to Bengali).

Name	Details
Professor Himadri Lahiri,	Department of English and Culture Studies, The University of Burdwan; Delivered special lecture in the Department on 16/01/2017
Professor Niladri Ranjan Chatterjee,	Department of English, University of Kalyani, Fulbright Scholar; Delivered special lecture in the Department on 30/01/2017
Dr. Subhajit Sengupta	Associate Professor, Department of English and Culture Studies, The University of Burdwan; Delivered special lecture in the Department on 30/01/2017
Ajay Sengupta	Prof. <u>Ajoy Sengupta</u> , Asansol Girls' College, Member of BOS, English, delivered a talk on "Dylan Thomas' Poetry" on 10.02.2017
Sukriti Ghoshal	Prof. <u>Sukriti Ghosal</u> , Principal, MUC Women's College delivered a talk on "Appreciation of Poetry" on 10.02.2017
Professor Nilagrib Deb Roy	Eminent academician who served the department as faculty member
Professor Chandreyee Niyogi	Professor, Department of English, Jadavpur University; Served the department as faculty member from 1991-1993
Professor Debabrata Chatterjee	Served the department as faculty member; served on the BOS; Joined The Institute of English as Director

25. Seminars/ Conferences/Workshops organized & the source of funding

NIL

26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students admitted							Appeared in the year	No. of stud. appeared*	Pass %			
			Total	Category wise			Gender wise								
				Gen.	SC	ST	OBc	Male	Female						
English Honours (Annual)	2011	600	79	56	18	05	00	28	51	2014	62	74.2			
	2012	633	76	53	18	05	00	41	35	2015	77	66.2			
	2013	-#	55	40	12	03	00	18	37	2016	44	65.9			
	2014	434	51	37	11	02	01	12	39	Will Appear in 2017					
	2015	771	35	17	11	03	04	18	17	Will Appear in 2018					
English Honours (CBCS)	2016	642	38	22	09	02	05	08	30	Will Appear in 2019					
English Programme (CBCS)	2016		22	18	02	01	01	04	18	Will Appear in 2019					

*Includes UG candidates of the current session and reappeared candidates from previous years

#Admission process was conducted by University through centralized counselling

27. Diversity of Students (current students)

All students of the department are from the same state (West Bengal). Students from other states are permanent residents of Durgapur. (Statement based on information in Students' Database preserved in the department and from informal talks with students)

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	
PG to Ph.D	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	-----
Entrepreneurship/Self-employment	---

30. Details of Infrastructural facilities

a) *Library*: Seminar Library is not present in the Department at the present date. Efforts are being made to revive the library.

b) *Internet facilities for Staff & Students*: The Department does not involve internet and computer facilities separately. Faculty members can access internet facilities in the staff room, Principal's Office and Library. Students can access computers only in Central Library. Total 3 computers are available in the central library for public access.

c) *Class rooms with ICT facility*: **Nil**

d) *Laboratories*: Not present

31. Number of students receiving financial assistance from college, university, government or other agencies

Session: 2016-2017

Sl. No.	Name Of Student	Class & Roll no.	Amount received	Funding agency
1	Pousali Bakshi	2 nd year H/Roll 15AH/01		E.C.L, Durgapur
2	Sudeshna Sarkar	2 nd year H/Roll 15AH/23	Rs.12,000/-	Swami Vivekananda Merit Cum Means Scholarship
3	Banashree Ghosh	2 nd year H/Roll 15AH/24	Rs.12,000/-	Swami Vivekananda Merit Cum Means Scholarship

Sl. No.	Name Of Student	Class & Roll no.	Amount received	Funding agency
4	Sanchita Paul	2 nd year H/Roll 15AH/25	Rs.12,000/-	Swami Vivekananda Merit Cum Means Scholarship
5	Subhadeep Lai	2 nd year H/Roll 15AH/01	Rs.3,500/-	Post-Matric Scholarship
6	Susmita Sarkar	2 nd year H/Roll 15AH/35		i. Post-Matric Scholarship, Government of West Bengal ii. Kanyashree
7	Priti Saha	2 nd year H/Roll 15AH/38	Rs.5000/-	OASIS Scholarship
8	Lakshimoni Hembrom	2 nd year H/Roll 15AH/42	Rs.10,400/-	Post-Matric Scholarship, Office of the PO cum DWO, Bardhaman, Government of West Bengal
9	Rupa Barik	3 rd year H/Roll 14AH/245	Rs.9000/-	Swami Vivekananda Merit Cum Means Scholarship
10	Gargi Bhattacharya	3 rd year H/Roll 14AH/246	Rs.9000/-	Swami Vivekananda Merit Cum Means Scholarship

- Financial assistance is received by Lakshimoni Hembrom(2nd year Hons) and Diya Banerjee (1st year Hons) from teachers of the Department of English.
 - Lakshimoni Hembrom receives free accommodation facility at Rani Guidalo Central ST Girls' Hostel, Kabiguru, Satyajit Ray City Centre, Durgapur – 16
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts
- **Special Lectures** were delivered in the Department by the following external experts. Please refer to Table 2.10 of Chapter 2 for details.
 1. Professor Himadri Lahiri (The University of Burdwan)
 2. Dr. Subhajit Sinha (The University of Burdwan)
 3. Professor Niladri Ranjan Chatterjee (University of Kalyani)
 4. Santanu Niyogi (Raniganj Girls' College)
 5. Dipankar Sen (Sanskrit College)
 6. Ajoy Sengupta (Asansol Girls College)
 7. Sukriti Ghoshal (Durgapur Womens' College)
 - **Educational tours and study trips** were organized for students to RoopKala Kendro, Kolkata, Shantiniketan, and different places of Kolkata. Please refer to Chapter 3 for details.

- **Film Screening**

SI no.	Date	Film	Participants	Purpose
1.	07.12.2016	'Great Expectations', BBC Productions	Students of B.A. First year (2016-2017)enrolled with English as Generic Elective Subject in Semester 1 and studying 'Literature and Film'	The film is a part of the GE syllabus. The students were taught to appreciate the film as a text and look into the different screen adaptations of Dickens' classic.
2.	01.12.2016	'Pride and Prejudice', BBC dramatisation	2 nd year English Honours students	Austen's novel <i>Pride and Prejudice</i> is prescribed in the Part II English Honours syllabus, Kazi Nazrul University; offering an understanding of the novel from a different viewpoint
3.	17.11.2016	'Bicycle Thieves', a 1948 Italian neorealist film directed by Vittorio De Sica	Students of Generic Elective course ('Literature and Film'), Semester 1	Facilitating students in understanding the concept of Neo-Realism in Cinema, an integral part of the GE course
4.	19.9.2016	'Battleship Potemkin' by Sergei Eisenstein	Students of B.A. First year (2016-2017)enrolled with English as Generic Elective Subject in Semester 1 and studying 'Literature and Film'.	Facilitating students to understand the montage theory and look into the cinematographic representations of the ideas enumerated in Eisenstein's <i>The Film Sense</i>
5	13.4.2015	'Macbeth', BBC production	Students of B.A. IIIrd year, registered under Burdwan University.	The Shakespearean play is a part of the current syllabus and the screening was meant to enable students to look into the visual representation of the seminal text.



Students of B.A First Semester Generic Elective watching a screening of the BBC productions of *Great Expectations* in the Auditorium on 7.12.2016

33. Teaching methods adopted to improve student learning

- Besides the usual chalk-and-talk device, students are made familiar with the chronological charts and statistical records of facts and figures, dates and data, works of renowned painters.
- Classes are mainly interactive in nature, with interactions between teacher and students and student and student.
- Written assignments are meticulously corrected to improve the writing skill of students.
- Students are divided into small groups, encouraged to comment on the assignments of their classmates after exchange of scripts, and, to analyse errors.
- Students role play the characters in a story/play they have read.
- When possible, the department makes power point presentations and web-based technology for teaching and class room instruction.
- A student is made to play the role of 'expert' and talk to the rest of the class on a subject he or she knows something about.
- Remedial classes for weak students and Tutorial classes for all are held as and when possible.
- Special care and attention is paid to those showing potential for excellence.
- Study materials from libraries not easily accessible to students are given as hand-outs.
- Holding exhibitions on select topics is an all-time favourite with the students.
- Teaching-learning moves beyond the four walls of a closed space during study trips organized by the department. Besides learning becoming fascinating, the teacher-student bonding becomes strong.
- The departmental Wall Magazine offers students a platform to showcase their innate talents.
- The department conducted Communicative English classes in 2011-2012.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The following students participate in activities of the NSS unit of the college:

SI no.	Name	Class	Session
1	Shreya Bose	First Year Honours	2016-2017
2	Chaina Mahato	First Year Honours	2016-2017
3	Suparna Acharya	First Year Honours	2016-2017
4	Poulami Banerjee	First Year Honours	2016-2017
5	Mehak Bahl	First Year Honours	2016-2017
6	Manas Ruidas	First Year Honours	2016-2017
7	Kankana Saha	First Year Honours	2016-2017
8	Ananya Das	First Year Honours	2016-2017
9	Sonali Kisku	First Year Honours	2015-2016
10	Sayoni Chakraborty	First Year Honours	2015-2016
11	Sonali Kisku	Secondyear Honours	2016-2017

A group of 03 students accompanied by Dr Devika Bose visited an orphanage in Barjora Ananda Ashram in 2012.

35. SWOC analysis of the department and Future plans

Strength:

An immaculate understanding among the students and the faculty leading to a strong bonding among members is the main prop on which the Department of English, Durgapur Government College stands. This finds the strong base of the department, encouraging team work and a spirit to fight for the well-being of the department in the face of all odds. The department has been one of the largest departments since English is a compulsory subject and the present enrolled student strength of the first year students of the college is more than 1200.

Weakness:

The dearth of faculty members and lack of infrastructure are impediments towards the development of the department where English is taught not only as an Honours subject but also taught at the General level, as Elective, Compulsory and Alternative English. The department has only one classroom, thus posing a problem in arranging simultaneous classes. Further, vacancies in teaching posts make the task of the 05 existing teachers difficult. The transfer of faculty members to other government colleges **in the middle of academic sessions** worsens the problem. Optimum use of human resources is not possible with such factors dominating the scene and eroding the strength of the department.

Opportunities:

The department feels privileged to work with bright, promising and enthusiastic students who put in a lot of effort to make achievements in curricular, co-curricular and extra-curricular activities. Students with leadership qualities, distinguish themselves in academics too. The raw material that the department works with is rich in quality. The teachers try to bring out the best in students by sharing a cordial relationship with the students. The academic calendar is marked with events like excursions, exhibitions and seminars along with regular academic activities in which the students and faculty heartily participate. The department organized a career oriented programme in the year 2010-2011.

Challenges

- Strength of faculty is a huge constraint for the department, an issue that hopefully shall be addressed in the near future. It becomes the most challenging problem whenever the department seeks to undertake any plan of action for self-enhancement.
- Absence of Seminar Library; however, it is to be restored shortly
- No facility of Computers, Printers, Scanners, Photocopier for students and faculty
- No power back-up system in the classroom during bouts of power-cuts
- Dearth of clean, well-ventilated classrooms with proper boards, seating arrangements for students and teachers

- Lack of clean, hygienic toilets
- Absence of Aquaguard on each floor at a suitable place to supply drinking water
- No practice of ringing of bells to indicate the end of a class
- Paucity of funds received through college office leading to problems in organizing seminars, workshops, educational tours for students and in enriching the stock of books required by the department
- No LAN connection in the department
- Dearth of classrooms to conduct simultaneous classes or to accommodate enrolled students
- A Master Routine where a great percentage of Honours classes are kept in the second half of a day thus making Honours teaching challenging for the students.

Future plans

The Department of English is stepping into its 46th year of teaching English at the undergraduate level. A separate wing or a building where the study of English can be made relevant by making it a part of an **interdisciplinary course** is a dream of the students and the faculty. The department plans an upgradation through the introduction of the postgraduate course and the creation of 'A Centre for Study of Advanced English'. This calls for creation of teaching posts, especially of WBSES posts to initiate a meaningful study of the subject at a higher level. The realization of this plan shall be possible with an adequate infrastructural back-up with internet facility and sufficient number of computers, related accessories and stationery to assist in the documentation of departmental activities.

- Facility to enjoy uninterrupted power supply. Installation of AC machines to see one through hot summer days of Durgapur.
- Creation of Smart Classrooms
- Creation of a Language laboratory so essential to the study of Literature in a foreign language
- Setting up of an Audio-visual Room and a CD/DVD library for screening of films especially based on texts prescribed in the syllabus
- Publication of a journal of the department with funds received through college office
- Setting up of Career Counselling and Psychological Counselling Cells in the interest of the students
- Provision for placement in jobs through Campus Recruitment
- Setting up of NET/SET Coaching Centres
- e-Journal subscription especially J-Stor
- Departmental membership at the institutional level of at least the British Council Library. It may be recalled that the department of a government college has students from various socio-economic sections.
- The department looks forward to organizing student seminars, national and international level seminars and resuming the Communicative English classes.

- Installation of Intercom system so that communication with other departments of the college is possible without unnecessary loss of time
- Location of the Staffroom near the classrooms so that vital class-time is not lost.
- A Staffroom for the teachers of the department with separate desk and locker facilities for each teacher. This should be in addition to the General Staffroom.
- Setting up of a tea/coffee corner to help one cope with long hours of brain-racking work.
- Formation of an **Alumni Association of the Department of English, Durgapur Government College** which shall help in the weaving of a continuous history and a narrative of the department and where the involvement of the alumni with its rich suggestions shall lead to the growth and enrichment of the department.
- The Department of English looks forward to working in an atmosphere conducive to teaching, learning, and, engagement in research activities.

May the Department "...bloom and grow/Bloom and grow forever"!

Department of Geology

1. Name of the department **Geology**
2. Year of Establishment **1972**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Undergraduate and Postgraduate Courses in Geology

4. Names of Interdisciplinary courses and the departments/units involved
Nil

5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	B.Sc. Honours in Geology	Till 2015	Annual
2	B.Sc. Honours in Geology	From 2016	CBCS
3	M.Sc. in Geology	Till 2013	Annual
4	M.Sc. in Applied Geology	From 2014	CBCS

6. Participation of the department in the courses offered by other departments
 - **Department offers a minor elective course in GIS & Remote Sensing to the Third Semester students of M.Sc. in Conservation Biology**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**

9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	1	-
Associate Professor	15 *	04 (Through CAS)
Assistant Professor		07

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Prabir Dasgupta	Ph.D.	Associate Professor	Sedimentology	30	01
Siddhartha Sankar Rej	M.Sc.	Associate Professor	Igneous Petrology	30	-
Subrata Ghosh	M.Sc., M.Phil	Associate Professor	Structural Geology	21	-
Dr. Supratim Pal	Ph.D.	Associate Professor	Metamorphic Petrology	17	01
Dr. Prabal Kumar Chattopadhyay	Ph.D.	Assistant Professor	Ore Geology	13	-
Bikas Saha	M.Sc.	Assistant Professor	Sedimentology	7	-
Dr. Pinaki Roy	Ph.D.	Assistant Professor	Invertebrate Paleontology	6	-
Dr. Pradip Kumar Samanta	Ph.D.	Assistant Professor	Sedimentology	6	-
Dola Chakraborti	M.Sc.	Assistant Professor	Oceanography	1.5	-
Saradee Sengupta	M.Sc.	Assistant Professor	Vertebrate Paleontology	1.5	-
Pritha Goswami	M.Sc.	Assistant Professor	Invertebrate Paleontology	1	-
Dr. Subhankar Dastidar	Ph.D.	Part Time faculty	Structural Geology	13	-

11. List of senior visiting faculty **Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Name of the Part time faculty	% of Lectures delivered	% of Practical classes
Dr. Subhankar Dastidar	B.Sc. First Semester 10% (Paper I)	-
	B.Sc. First Semester 50% (Paper III)	B.Sc. First Semester 50% (Paper III)
	M.Sc. First Semester 50% (Course PGGEOL102)	M.Sc. First Semester 25% (Course PGGEOL105)

13. Student -Teacher Ratio (Programme wise)

Courses offered	Intake capacity	Present roll strength	Teacher-Student Ratio
B.Sc. Honours	35	76	1 : 6.9
M.Sc.	20	19	1 : 1.73

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	Staff	Sanctioned	Filled
1	Store Keeper	01	01
2	Draftsman	01	00
3	Thin Section Cutter	01	01
4	Laboratory Bearer	02	00
5	Unskilled Bearer	01	00

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	06	01	05

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

The department came under the FIST Programme of the Department of Science and Technology, Government of India in 2004. The total grant received under the DST-FIST Programme was Rs. 30,00,00=00

Record of research projects completed by Faculty Members

Title	PI	Funding agency	Period	Total grant(Rs.)	Status
Study of the Sub-Himalayan Lower Cenozoic succession with special reference to the reconstruction of tectonosedimentary history of Subathu basin	Dr. Prabir Dasgupta	Ministry of Earth Sciences	2013-16	8,00,000	Completed
Petrological evolution of the granulite inliers occurring along the western boundary of the southern sector of Delhi Fold Belt : Evidences for contrasting style of metamorphic history in comparison to the neighbouring amphibolite facies metamorphites	Dr. Supratim Pal	UGC-ERO	2005-07	90,000	Completed

Title	PI	Funding agency	Period	Total grant(Rs.)	Status
Structural and tectonic control of Albite related uranium mineralization and associated metallogeny in Northern Rajasthan	Dr. Supratim Pal (Co PI)	BRNS – DAE, Government of India	2009-13	14,06,650	Completed
Evolution of Chitradurga and Holenarsipur greenstone belt in the frame of Archaean granite-greenstone terrain of Karnataka	Dr. Supratim Pal (Co PI)	DST, Government of India	2011-15.	18,50,000	Completed
Mid- Late Jurassic Carbonate-Siliciclastic Transition, Jaisalmer, Rajasthan: It's Implication	Bikas Saha	UGC	2008-09	75,000	Completed
Study of the family Opetiidae (Ammonoidea) from the Mesozoic basins of peninsular India (Jaisalmer and Kutch): Phylogenetic systematics and biostratigraphic correlation	Dr. Pinaki Roy	UGC-Minor	2011-13	1,73,500	Completed
Sedimentation and sequence building of the Neoproterozoic Jodhpur Group, Rajasthan.	Dr. Pradip Samanta	DST-FAST TRACK	2012-15	18,55,000	Completed
Proterozoic biosedimentology in the light of appraisal of potential microbial mat structures in the Vindhyan siliciclastics, Central India.	Dr. Pradip Samanta	UGC	2011-13	1,57,500	Completed
Mineralogy, Geochemistry and Geochronology of the Alkaline and peralkaline rocks of the chandil formation: their role and relation to the northern shear zone and crustal evolution	Dr. Aniket Chakraborty	DST-FAST TRACK	2014-17	21,50,000	Ongoing

18. Research Centre /facility recognized by the University: **Nil**

19. Publications: (Please Refer to Ans: 3.4.3 of Chapter 3 for details)

Sl. no	Publications of the faculty members	Total number
1	Research articles/Reviews	43
2	Books	00
3	Book Chapters/articles in Edited Volumes	05
4	Conference Proceedings	--

Name	Publication					Citation	h index	i10 index
	Book	In Peer Reviewed Journal	In Edited Volume	Conference Proceeding	Abstract			
Dr. Prabir Dasgupta	-	13	01	-	01	213	7	6
Siddhartha Sankar Rej	-	1	-	-	-	-	-	-
Subrata Ghosh	-	-	-	-	-	-	-	-
Dr. Supratim Pal	-	7	01	-	07	-	-	-

Name	Publication					Citation	h index	i10 index
	Book	In Peer Reviewed Journal	In Edited Volume	Conference Proceeding	Abstract			
Dr. Prabal Kumar Chattopadhyay	-	2	-	-	01	-	-	-
Bikas Saha	-	1	-	-	01	18	1	1
Dr. Pinaki Roy	-	6	01	-	06	30	3	1
Dr. Pradip Kumar Samanta	-	9	02	-	11	182	7	7
Dola Chakraborti	-	1	-	-	02	-	-	-
Saradee Sengupta	-	1	-	-	03	-	-	-
Pritha Goswami	-	1	-	-	07	2	1	-

20. Areas of consultancy and income generated

Faculty members participate in different events as resource persons. The remuneration (if any) received is shared personally by faculty members.

Record of Participation of the faculty members in Seminars/Conferences/Workshops as resource person

Topic	Date	Organized by	Title of the paper	Resource Person
National Conference on Paleogene of the Indian Subcontinent	April 23-24, 2015	Geological Survey of India and Birbal Sahni Institute of Paleobotany, Lucknow	A comparative study of the deformation pattern and sedimentation history of the sub-Himalayan Lower Cenozoic succession of Jammu and Himachal Pradesh: the tectonic implications	Dr. Prabir Dasgupta
Precambrians in India	November 22-24, 2016	Bundelkhand University, Jhansi and The Society for Earth Scientists	Controls on Cyclic Sedimentation within the Neoproterozoic Sirbu Shale, Vindhyan basin, Central India	Dr. Pradip Samanta
Precambrians in India	November 22-24, 2016	Bundelkhand University, Jhansi and The Society for Earth Scientists	Evolution of the Terrestrial succession at the base of the Neoproterozoic Badami Group, Karnataka, India	Dr. Pradip Samanta

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards.... **None**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

- All the students of M.Sc. programme have to carry out dissertation work under the supervision of one of the faculty members for the partial fulfillment of the M.Sc. Examination in Geology
- All undergraduate students do a project on "Environmental Science" as the part of their course curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: **NIL**

23. Awards / Recognitions received by faculty and students
 UGC-CEC Award of Subject Expert for the Best Educational Programme in Earth Sciences, 2006 was conferred on Dr. Prabir Dasgupta by the University Grants Commission - Consortium of Educational Communication
24. List of eminent academicians and scientists / visitors to the department:
 None in last Five years
25. Seminars/ Conferences/Workshops organized & the source of funding:
 No such event in last Five years
26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students admitted							Appeared in the year	No. of stud. appeared*	Pass %			
			Total	Category wise				Gender wise							
				Gen.	SC	ST	OBC	Male	Female						
Geology Honours (Annual)	2011	500	44	31	10	03	0	34	10	2014	25	84.0			
	2012	274	44	31	10	03	0	23	21	2015	32	78.1			
	2013	-#	22	16	05	01	0	08	14	2016	15	80.0			
	2014	278	46	39	4	0	3	29	17	Will Appear in 2017					
	2015	359	23	15	5	0	3	15	08	Will Appear in 2018					
Geology Honours (CBCS)	2016	297	29	15	5	1	8	18	11	Will Appear in 2019					
M.Sc. Geology	2011	Admitted by University	18	13	04	01	0	10	8	2013	12	100			
	2012		18	13	04	01	0	08	10	2014	20	100			
	2013		22	16	05	01	0	18	04	2015	10	100			
	2014		14	11	01	0	2	10	04	2016	09	100			
	2015		19	18	1	0	0	06	13	Will appear in 2017					
	2016		12	10	2	0	0	09	03	Will appear in 2018					

*Includes UG candidates of the mentioned current session and reappeared candidates from previous years

#Admission Through Centralised Counselling by University of Burdwan

27. Diversity of Students (current students)

All students of the department are from same state (West Bengal)

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Performance in national and state competitive examinations

Name of the Examination	Year	Number of successful students
Graduate Aptitude Test in Engineering (GATE)	2015	02
	2014	01

29. Student progression

Student progression		Against % enrolled
UG to PG		100%
PG to M.Phil.		N.A.
PG to Ph.D.		4%
Ph.D. to Post-Doctoral		N.A.
Employed	Campus selection	N.A.
	Other than campus recruitment	60%
	Entrepreneurship/Self-employment	40%

30. Details of Infrastructural facilities

Library: The department is committed to facilitating access to the information resources needed by the students and the members of faculty. The Department has developed a seminar library supplementary to the Central Library of the College for partial fulfillment of this objective. At present the collections of the seminar library include 379 books on 258 titles, and 136 issues of 19 journals. Both reading and lending facilities are extended to the stakeholders. The department is planning to develop an e-library, and has already collected PDFs of 222 books for this purpose. This will be accessible through intradepartmental LAN, and only the reading facility will be extended. One of the faculty members remains in charge of the Seminar Library and the responsibility is shared by all members by rotation. At present Pritha Goswami, Assistant Professor of Geology is in charge of the library.

Internet facilities for Staff & Students: The department, being part of the College network, enjoys unlimited internet facility through BSNL connectivity. The whole Department has been converted into a free Wi-Fi zone to extend the facility to all students and teachers.

Class rooms with ICT facility: So far as the physical infrastructure for the teaching-learning process is concerned, there are five Lecture rooms (each earmarked for respective undergraduate and postgraduate classes), and one seminar room with ICT facility (for lectures, student seminars, group discussions and departmental meetings).

Laboratories: The computer laboratory is equipped with nine desktop computers, three monochrome LaserJet (A4) printer, one RGB LaserJet (A3) printer and two flatbed scanners. Due to lack of adequate space two high

resolution petrological microscopes (one with photomicrographic attachment and display screen), one precision balance and one mirror stereoscope with parallax bar are also housed in the same laboratory. A rock thin section laboratory, equipped with two rock cutters, two rock grinders, one automatic thin section cutter and necessary peripherals provides the basic infrastructure for thin section preparation. A new laboratory is being set up for processing of samples for paleontological studies. Besides these specialized laboratories, one equipped laboratory is there for the routine practical classes for microscopic studies of rocks and minerals. The geological museum is under renovation to develop a repository of type Indian rock specimens.

31. Number of students receiving financial assistance from college, university, government or other agencies

Sl. No.	Class	Name	Scholarship	Amount p.m.
1.	B.Sc. II yr	Chiranjit Maji	OASIS Post Matric for SC, ST, OBC (GoWB)	Rs. 5520
2.		Dibyajit Das		Rs. 5500
3.		Ramen Biswas		Rs. 5520
4.		Gourab Dutta		Rs. 4010
5.		Somnath Pal	Swami Vivekananda Merit cum Means Scholarship	Rs. 1,500
6.		Subhasis Pal	Anant Footprint	Rs. 500
7.	M.Sc. 3 rd Sem	Lopamudra Roy	Single Girl Child Postgraduate Indira Gandhi Scholarship (UGC)	Rs. 3100
8.		Soumitra Datta		
9.		Arpita Ghosh		
10.		Tandrila Sarkar		
11.		Susmita Goswami		

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Nil during last five years

33. Teaching methods adopted to improve student learning: The department believes in interactive teaching-learning method.

Deviating from the conventional lecture method, students are often invited for participation learning. They are also encouraged for group learning and peer tutorial for identification of their individual limitations. Lectures are often made attractive and more effective by adding videos of laboratory simulations and animated demonstration of earth system processes.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

NIL

35. SWOC analysis of the department and Future plans

STRENGTH

Since its inception this department has been blessed with batches of brilliant students having keen interest in academics and extra-academic activities. Consistent good performance, particularly by the undergraduate students, in the University examinations and National level competitive tests bears the signature of the academic standard of the Department.

The main strength of the Department is its faculty and supporting staff members. Congenial work culture blended with enthusiasm of the young brigade and experience of the senior faculty members plays the key role in the development of the Department. The pleasant relation between the teachers and the students make them feel the Department as their second home.

WEAKNESS

The long-drawn process of admission to Engineering and Medical courses causes serious erosion of roll strength of the first year undergraduate programme. A large number of newly admitted students leave the college well after the last date of admission. The same situation is often experienced in postgraduate programme also. Here the admitted students migrate to IITs.

The main weak point of the Department is the failure in retention of its own undergraduate students for the postgraduate programme. Scope of campus placement is the main guiding factor for migration of the students to different National Institutes, particularly the IITs. Since the *Navaratnas* and the MNCs prefer to hire from the IITs, the college even being one of the main catchments of potential geoscientists of the country fails to produce the best end product.

The efforts to arrange campus placement go in vain for the lack of sufficient number of students satisfying the minimum (securing minimum 75% marks throughout, right from school leaving to M.Sc.) eligibility criterion as defined by the MNCs and *Navaratnas* for the positions of professional geologists. The potential undergraduate students, on the other hand, leave for getting admitted in IITs for not getting assurance of campus placement here. So in this regard the department has been stuck in a circular trap.

OPPORTUNITY

Being a postgraduate department with intake capacity of 20, this department is eligible to get institutional research fund from different national funding agencies. Since the institution is located at the fringe area of Damodar Valley Gondwana basins and a Precambrian protocontinental component of Indian peninsular shield mosaic, this department could have been an excellent center for Gondwana research or Precambrian research or research on shear zone mineralization. However, the research activities remained confined within a few discrete individual initiatives

CHALLENGES

The main constraint is the service condition of the faculty members of the department. Since it is governed by the Higher Education Policy of the Government of West Bengal, the faculty members are liable to be transferred to different Government Colleges. So the situation remains unfavourable for

development of any stable research group. Moreover, the specialization of any faculty member is not also considered in the recruitment and transfer policies of the Government. This leads to serious imbalance in the faculty composition of the department. This also affects the maintenance of standard in imparting education at postgraduate level in diverse branches of Geology.

FUTURE PLANS: The main challenge being faced by the department is to encourage its own undergraduate students to continue for the post-graduation and still further. Due to sudden depression in the job market, particularly in oil industry, the main attraction for migration to the IITs, the students are trying to explore the other avenues. This has been clearly reflected in the attitude of the present M.Sc. Third Semester students, many of whom decided not to migrate and are continuing here only. So the department is planning to establish a finishing school for grooming its end products for the national level competitive examinations. With a view to encourage the students in academic research the department has planned to develop specific research groups. An initiative has already been taken in this regard taking palaeontology as the thrust area.

Department of History

1. Name of the department **History**
2. Year of Establishment **1970**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Undergraduate Courses with History

4. Names of Interdisciplinary courses and the departments/units involved
Generic Elective Course: This course is offered for students of Bengali, English, Philosophy, and Political Science (1st and 2nd Semester) Honours Courses wef 2016-17.

5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	B.A. Honours in History	Till 2015	Annual
2	B.A. Honours in History	From 2016	CBCS
3	B.A. Programme with History	From 2016	CBCS

6. Participation of the department in the courses offered by other departments
 - **Paper of B.A. (General) Course for the students of other humanities honours departments]**
 - **The Department teaches Discipline Specific Core Course Papers to students of different Humanities Programme.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**

9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	00	-
Associate Professor	04 *	-
Assistant Professor		04

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Nandini Jana	M. A., B.Ed.	Assistant Professor (HOD)	Gender and Social History in Colonial Bengal	15	-
Saubhik Bandyopadhyay	M. A.	Assistant Professor	History of Travel Writings	15	-
Dr. Arpita Bose	M. A., Ph.D.	Assistant Professor	Diaspora Studies with special reference to the Chinese in India	06	-
Kamalica Mukherjee	M. A.	Assistant Professor	Tribal History	01	-
Mitali Dey	M. A., M.Phil.	Part Time Teacher	Gender and Law	08	

11. List of senior visiting faculty:

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty, Mitali Dey:

Programme	Percentage of Lectures Delivered by Temporary Faculty
B.A (Honours) in History (Semester Pattern)	12 %
B.A. (Programme) in History (Semester Pattern)	17 %
B.A. (Honours) in History (Annual Pattern)	14 %
B.A. (General) in History (Annual Pattern)	0 %
% of classes delivered by temporary faculty out of the total classes allotted for Department of History	12 %

13. Student -Teacher Ratio (Programme wise):

Sl. no	Course	Student-Teacher Ratio
1	B.A. Honours, Semester I	7:1
2	B.A. Programme, Semester I	13:1
3	B.A. Generic, Semester I	5:1
4	B.A. 2 nd year (Hons)	11:1
5	B.A. 2 nd year (General)	47:1
6	B.A. 3 rd year, (Hons)	13:1
7	B.A. 3 rd year (General)	99:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **Nil**
15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	01	01	03

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

No.	Title of the Project	Principal Investigator	Funding Agency	Tenure of the Project	Total Grant Received	Status
1.	The Brahmo Female and the Religious Journey to A New Faith: 'Conciliation or Confrontation	Nandini Jana	UGC No. PHW-020/ 13-14 dated 18.03.2014	08.05.2014-07.05.2016	Rs. 1,32,000/-	Completed
2.	Glimpses of India in Bengali Accounts of the Nineteenth and Twentieth Century: A Few Case Studies	Saubhik Bandyopadhyay	UGC No. PHW-022/ 13-14 dated 18.03.2014	14.05.2014-13.05.2016	Rs. 1,20,000/-	Completed

18. Research Centre /facility recognized by the University:

Nil

19. Publications:

Sl. no	Publications of the faculty members	Total number
1	Research articles/Reviews	25
2	Books	07
3	Book Chapters/articles in Edited Volumes	07
4	Conference Proceedings	12

Faculty Name	Publication						Monograph	Citation	h index	Occasional Papers
	Books with ISBN / ISSN	In Peer Reviewed Journal	Articles in Edited Volume	Conference Proceeding	Book Chapters	Abstracts				
Nandini Jana	-	01*	01	07						-
Saubhik Bandyopadhyay	04**	-	-	04	02					13
Dr. Arpita Bose	01	05	03	-						-
Kamalica Mukherjee	-	-*	-	-						-
Mitali Dey	-	-*	01	01						-

* Nandini Jana has published 02 articles in non-peer reviewed journal having ISSN No., Kamalica Mukherjee has published 01 article in a journal with ISSN no. and Mitali Dey has published 03 articles in a journal with ISSN No.

** Saubhik Bandyopadhyay has edited and compiled 02 books without ISBN.

- **Faculty member participated as resource persons in international institute:** Dr. Arpita Bose, Assistant professor, was invited as resource person at an international conference held at Copenhagen, Denmark, 11th to 16th June 2016. This seminar was organized by the National Museum of Denmark. The remuneration (if any) received is shared personally by faculty member.
 - **Faculty members are engaged in important academic activities of other institutes.** The remuneration (if any) received is shared personally by faculty members.
 - ✓ Dr. Arpita Bose contributed five entries to an anthology, Dictionary of Historic Personalities: Bengal Chapter (1757-1947), as part of a project conceived by Shri Gopal Krishna Gandhi, Hon'ble Governor of West Bengal, and materialized under the supervision of Prof. Ranjan Chakraborty, Department of History, Jadavpur University in 2009-10.
 - ✓ Saubhik Bandyopadhyay had done a project on 'Monitoring of School Level History Textbooks' at Textbook Monitoring Cell of the Institute of Development Studies Kolkata (IDSK), supervised by Dr. Ramkrishna Chatterjee and funded by the Ministry of HRD, Government of India in 2008, while serving at Chandernagore College under WBES. [Pl. refer to 'completed projects' at <http://idsk.edu.in/>]
21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards: **NIL**
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme
- All undergraduate students do a project on "Environmental Science" as the part of their course curriculum.

- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: **NIL**
23. Awards / Recognitions received by faculty and students: **NIL**
24. List of eminent academicians and scientists / visitors to the department: Dr. Shouvik Mukhopadhyay, Associate Professor of History, University of Calcutta and Dr. Suchandra Ghosh, Professor of Ancient Indian History & Culture, University of Calcutta, delivered lectures as resource persons in the CBCS workshop organized by the department on 15.02.2017.
25. Seminars/ Conferences/Workshops organized & the source of funding CBCS syllabus based workshop (Partially funded by College) on "Early Medieval India: Old Concern, New Perspective" was organized on 15.02.2017 by Department of History, Durgapur Government College. Students and teachers of neighbouring colleges participated in the workshop.
26. Student profile programme/course wise:
- | Name of the Course / programme | Year of Admission | Number of Applicants | Number of students admitted | | | | | | | Appeared in the year | No. of stud. appeared* | Pass % |
|--------------------------------|-------------------|----------------------|-----------------------------|---------------|----|----|----|-------------|--------|----------------------|------------------------|--------|
| | | | Total | Category wise | | | | Gender wise | | | | |
| | | | | Gen. | SC | ST | OB | Male | Female | | | |
| History Honours (Annual) | 2011 | 700 | 76 | 53 | 18 | 05 | 00 | 33 | 43 | 2014 | 51 | 68.6 |
| | 2012 | 228 | 77 | 54 | 18 | 05 | 00 | 44 | 33 | 2015 | 44 | 59.1 |
| | 2013 | -# | 57 | 46 | 10 | 01 | 00 | 25 | 32 | 2016 | 42 | 52.4 |
| | 2014 | 112 | 72 | 58 | 09 | 04 | 01 | 36 | 36 | Will Appear in 2017 | | |
| | 2015 | 139 | 46 | 34 | 07 | 04 | 01 | 23 | 23 | Will Appear in 2018 | | |
| History Honours (CBCS) | 2016 | 169 | 37 | 21 | 09 | 01 | 06 | 11 | 26 | Will Appear in 2019 | | |
| History Programme (CBCS) | 2016 | | 22 | 19 | 00 | 01 | 02 | 05 | 17 | Will Appear in 2019 | | |

*Includes UG candidates of the current session and reappeared candidates from previous years

#Admission Through Centralised Counselling by University of Burdwan

27. Diversity of Students (current students)
All students of the department are from same state (West Bengal)
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

Student progression	Against % enrolled
UG to PG	11 % (UG: 2010-2013)* 16 % (UG: 2011-2014) 11 % (UG: 2013-2016)
PG to M.Phil.	NA
PG to Ph.D	NA
Ph.D. to Post-Doctoral	NA
Employed	NA
• Campus selection	
• Other than campus recruitment	
Entrepreneurship/Self-employment	

* Bidyut Patar, a student of 2010-2013 batch, is pursuing his PhD Degree at Visva-bharati, Santiniketan.

Sl.no	Name of the student	Employed at
1	Suman Mukherjee (2006-09)	Teacher, primary school
2	Swadesh Bayen (2006-09)	Teacher, primary school
3	Barnali Biswas (2006-09)	Teacher, high school at Tarakeshwar, Dist. Hooghly (Selected by WBSSC)
4	Aditya Ghosh (2006-09)	Teacher, high school at Raghunathpur, Dist. Purulia (Selected by WBPSC)

30. Details of Infrastructural facilities

a) *Library*: The Department involves a seminar library with the collection of **412** text and reference books. In Charge: Dr. Arpita Bose.

b) *Internet facilities for Staff & Students*: The Department does not involve internet and computer facilities separately. Faculty members can access internet facilities in the staff room, Principal's Office and Library. Students can access computers only in Central Library. Total 3 computers are available in the central library for public access.

c) *Class rooms with ICT facility*: **Nil**

d) *Laboratories*: **Nil**

31. a) Number of students receiving financial assistance from college, university, government or other agencies

The Government of West Bengal has been providing **Kanyashree Prakalpa**, a conditional cash transfer to incentivize the girl students from the year 2013. **Twenty-three** girl students of the department have been found eligible to receive scholarships under the schemes awarded by the Government of West Bengal.

The details of the beneficiaries are given below:

Sl. no	Year	College Roll	Name of the students under KanyashreePrakalpa of Government of West Bengal
1	2014-15	14AH/266	Binita Modi
2		14AH/212	Mou Kora
3		14AH/265	PrityBhagat
4		14AH/219	Puja Kumari
5		14AH/268	Puja Singh
6		14AH/205	RupaMaity
7		14AH/180	SaptarshiMondal
8		14AH/206	ShraboniAdhikari
9		14AH/116	Susmita Das
10	2015-16	15AH/335	NarayaniMahato
11		15AH/336	PriyaKumbhakar
12		15AH/44	Sakina Banu
13		15AH/341	Sangita Roy
14		15AH/326	Urmila Sarkar

b) The Government of West Bengal has been providing Post-Matric Scholarship to students from the SC/ST communities. The details of the beneficiaries are given below:

Sl. no	Year (admitted)	Name of the students receiving Post-Matric Scholarship for SC/ST students from Government of West Bengal
1	2014-15	BiswajitRuidas
2		Mou Kora
3		Lakhinda Soren
4		Rakesh Dhara
5		Santoshi Ruidas
6	2015-16	PoojaRavidas
7		Puja Rajak
8		ShilpaMondal

c) The Government of West Bengal has been providing scholarship to students from the OBC communities. The details of the beneficiaries are given below:

Sl. no	Year (admitted)	Name of the students receiving Post-Matric Scholarship for SC/ST students from Government of West Bengal
1	2014-15	Keya Majumder

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

- **Workshop:** CBCS syllabus based workshop organized on 15 February, 2017
- **Workshop:** On 9 September, 2016, nine students of B.A. Honours (1st semester) course attended a workshop on CBCS syllabus-based workshop on Core-1 paper at Ranigunge Girls' College, Ranigunge, guided by two teachers of the department, Saubhik Bandyopadhyay & Kamalica Mukherjee
- **Educational tours** were organized for students to Bishnupur, Shantiniketan, Indian Museum and site museums at Kolkata, museums, churches and remnants of colonial settlements in Chandernagore and Serampore at regular intervals for enrichment for their knowledge. Please refer to Table 3.2 of Chapter 3 for details of these tours.

33. Teaching methods adopted to improve student learning

- ✓ Unitization of the syllabus maintaining the academic calendar
- ✓ Regular 'chalk-and-talk' method is followed with the help of maps and diagrams
- ✓ Power Point presentations
- ✓ Question-answer sessions
- ✓ Academic interaction with students beyond class-hours and during vacations
- ✓ Tutorials
- ✓ Study tours

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Institutional Social Responsibility (ISR) and Extension activities

- Dr. Arpita Bose, Assistant Professor, is the Project Officer (2) of the National Service Scheme (NSS).
- Few students of the department were involved in the following ISR programmes in the recent past:
 1. Organising literacy programme, cleaning of the neighbourhood, cultural programs etc. at Dangapara, the adopted village under NSS (2) Unit.
 2. Organising Special Camp under NSS (2) unit on and from 23 to 29 February, 2016
 3. Spreading awareness about traffic rules under 'Safe Drive, Save Life' mission, initiated by the Government of West Bengal, on 27 September, 2016.
 4. Spreading awareness among students about dangers of AIDS on the World AIDS Day, on 1 December, 2016.

- Following students of the department presently act as volunteers of National Service Scheme:

YEAR: 2015

Sl.No.	Name of the Student	Year	Roll No.
01.	Rakhi Mazumder	IIIrd	14AH/134
02.	Punam Hansda	IIIrd	14AH/192
03.	Santoshi Ruidas	IIIrd	14AH/213

YEAR: 2016

Sl. No.	Name of the Student	Year	Roll No.
01.	Mousumi Halder	IIIrd	14AH/214
02.	Rakesh Mazumdar	IIInd	15AH/345
03.	Koyel Saha	IIInd	15AH/354
04.	Shampa Biswas	IIInd	15AH/371
05.	Bilash Kumar Ram	Ist	16AH/154
06.	Banti Ruidas	Ist	16AH/168
07.	Sanjukta Sarkar	Ist	16AH/170
08.	Jhuma Bauri	Ist	16AH/174
09.	Monisha Ghosh	Ist	16AH/178

- Following students of the department participate in NCC

Sl. No.	Name	Class	College Roll No.
1	SumanKumari	B.A. 1 st yr (Hons)	16AH/159
2	Meherunesha	BA. 1 ST Yr (Prog)	16AR/127
3	SupriyaGorai	B.A. 1 st Yr (Prog)	16AR/76
4	Priyanka Patra	B.A. 1 st Yr (Prog),	16AR/138
5	MorjinaMollick	B.A. 1 ST Yr (Prog)	16AR/72
6	ChandaPandit	B.A. 1 st Yr (Prog)	16AR/70
7	Bandana Maity	B.A. 1 st Yr (Prog)	16AR/69
8	Farida Knhatun	B.A. 1 st Yr (Prog)	16AR/127
9	SatyendraMurmu	B.A. 1 st Yr (Prog)	16AR/81
10	BappaBadyakar	B.A. 1 st Yr (Hons.)	16AH/165
11	ShuvankarHazra	B.A. 1 st Yr (Hons.)	16 ARH/153
12	Shiv Shankar Shaw	B.A. 3 rd Yr (Hons.)	14 AH/176

- Nandini Jana is now the In-charge, Gender Sensitization and Sexual Harassment (Protection) Subcommittee. Please refer to Table 1.5 of Chapter 1 for detailed activities of the cell.
35. SWOC analysis of the department and Future plans
- Strength:**
- Full recruitment against the sanctioned posts.
 - A panel of energetic teachers, committed toward updating the teaching-learning process according to the latest university guidelines.
 - A functional departmental library, serving the basic academics needs of the students of the honours programme.
- Weakness:**
- Implementation of the curriculum, long-term planning is hampered due to frequent transfer of faculty.
 - No direct control over the designing of the curriculum and course content. The department has to follow the pattern framed by the affiliating university.

Opportunities:

1. **Unitization of syllabus and CCE under CBCS** enhances the prospects of better evaluation of the students.
2. **Employment opportunities** for better students in academics, in administrative services, journalism and related fields.

Challenges:

1. **Frequent transfer of faculty members** minimizes the growth prospect and acts as an impediment before any long term planning for development and systemic documentation.
2. **Academic area is not attached to the professors' lounge**, thereby making it difficult for frequent communication between teachers and students, and **loss of vital teaching time**.
3. **Inadequate number of class rooms / lecture theatres.**
4. **No ICT facility** in the department.

Future plans

1. To enable the students in using modern technology to enhance their learning, e.g. basic computer literacy for all.
2. To undertake more study tours to historical places as co-curricular activity.
3. To improve the History Seminar Library in line with changing system of learning.

Department of Mathematics

1. Name of the department **Mathematics**
2. Year of Establishment **1972**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Undergraduate Courses with Mathematics

4. Names of Interdisciplinary courses and the departments/units involved
Generic Elective Course: This course was offered to students of Chemistry, Geology and Economics Honours course during 1st and 2nd semester of academic session 2016-2017
5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	B.Sc. Honours in Mathematics	Till 2015	Annual
2	B.Sc. Honours in Mathematics	From 2016	CBCS
3	B.Sc. Programme with Mathematics	From 2016	CBCS

6. Participation of the department in the courses offered by other departments
 - **General Paper of Physics, Geology, Economics and Chemistry Honours Course**
 - **Discipline Specific Core Course:** This course is offered to students of Physics and Chemistry Programme during 1st and 2nd semester of academic session 2016-2017
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
8. Details of courses/programmes discontinued (if any) with reasons **Nil**

9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	-	-
Associate Professor	05 *	01 (Through CAS)
Assistant Professor		01

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme (CAS).

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Amitava Samanta	M.Sc.	Associate Professor (HOD)	Pure Mathematics	29	-
Pratikshan Mondal	M.Sc.	Assistant Professor	Pure Mathematics	13	-

11. List of senior visiting faculty

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

No temporary faculty serves the Department

13. Student -Teacher Ratio (Programme wise)

Sl. No.	Course	Teacher-Student Ratio
1	B.Sc. Honours, Semester I	10:1
2	B.Sc. Programme, Semester I	3:1
3	B.Sc. Generic, Semester I	24:1
4	B.Sc. 2 nd year (Honours)	8:1
5	B.Sc. 2 nd year (General)	14:1
6	B.Sc. 3 rd year, (Honours)	6:1
7	B.Sc.3 rd year (General)	18:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Nil

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	-	-	02

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sl. No	Title of Project	PI	Funding Agency	Tenure	Total Grant received	Status
1.	Studies on reliability-redundancy optimization in interval environment	Sanat Kr. Mahato	UGC MRP [Project no: PSW-006/12-13]	1 st Mar'13 to 28 Feb'15	1.94 Lacs	Completed

18. Research Centre /facility recognized by the University

Nil

19. Publications:

Sl. no	Publications of the faculty members	Total number
1	Research articles/Reviews	02
2	Books	01
3	Book Chapters in Edited Volumes	-
4	Conference Proceedings	-

Faculty Name	Publication						Citation	h index
	Books with ISBN/ISSN	In Peer Reviewed Journal	Book Chapters/Articles in Edited Volume	Conference Proceeding	Monographs	Abstracts		
Amitava Samanta	-	01	-	-	-	-	-	-
Pratikshan Mondal	01	01	-	-	-	-	-	-

20. Areas of consultancy and income generated

Nil

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards....

None

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

All undergraduate students do a project on "Environmental Science" as the part of their course curriculum.

- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies **NIL**
23. Awards / Recognitions received by faculty and students **NIL**
24. List of eminent academicians and scientists / visitors to the department **NIL**
25. Seminars/ Conferences/Workshops organized & the source of funding **NIL**
26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students admitted						Appeared in the year	No. of stud. appeared*	Pass %		
			Total	Category wise				Gender wise					
				Gen.	SC	ST	OBC	Male	Female				
Mathematics Honours (Annual)	2011	200	44	31	10	03	00	37	07	2014	19	57.9	
	2012	202	44	31	10	03	00	29	15	2015	17	64.7	
	2013	--#	22	16	05	01	00	15	07	2016	18	44.4	
	2014	217	41	36	03	01	01	26	15	Will Appear in 2017			
	2015	315	24	16	05	00	03	12	12	Will Appear in 2018			
Mathematics Honours (CBCS)	2016	208	25	14	06	01	04	18	07	Will Appear in 2019			
Mathematics Programme (CBCS)	2016		13	13	00	00	00	08	05	Will Appear in 2019			

*Includes candidates of 2011-12 session and reappeared candidates from previous years

#Admission Through Centralised Counselling by University of Burdwan

27. Diversity of Students (current students)
All students of the department are from same state (West Bengal)
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **03**
29. Student progression

Student progression	Against % enrolled
UG to PG	40%
PG to M.Phil.	NA
PG to Ph.D	NA
Ph.D. to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> Campus selection 	----
• Other than campus recruitment	Record of the employment of 08 students since 2008 is available in the department

30. Details of Infrastructural facilities

Library: Department involves a seminar library with the collection of 140 books. In Charge: Pratikshan Mondal

Internet facilities for Staff & Students: Computers (desktop) with internet connection accessible to departmental faculty. Classes are undertaken in the college computer lab which is equipped with Wi-Fi facility.

Class rooms with ICT facility: Nil

Laboratories: Nil

31. Number of students receiving financial assistance from college, university, government or other agencies 02 (Two)

Kanyashree Prakalpa (2016) (Received Rs. 750): Rima Mondal, Sonali Paul

Swami Vivekananda Merit Cum Means Scholarship (2015) (Received Rs. 6000) : Sonali Paul

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: **Nil**

33. Teaching methods adopted to improve student learning

Class tests are conducted frequently for the students of the Department. On the basis of class test results, tutorial classes are arranged for the students who are weak or, slow learners. Open book tests for students of Honours courses are also arranged in the Department.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Nil**

35. SWOC analysis of the department and Future plans

STRENGTH

All the teachers of the department are experienced, motivated and sincere. They are always approachable by the students for any kind of academic problems. Apart from this, special care is taken to solve the problems of weaker students in class. Students get the opportunity of hands on training to computational problems during the commencement of classes in the college computer lab.

WEAKNESS

- There is shortage of class room and computer facilities.
- Acute shortage of teaching staff since three sanctioned teaching posts are lying vacant.
- Computation facility is not available for students except during the computer classes prescribed in the curriculum.

OPPORTUNITY

After completing graduation with Math(Hons.), students have the opportunity to pursue higher study in Mathematics as well as in Computer Science, Astro-Physics, M.Tech etc. and get employment in different branches. Our passed out students have been employed in Colleges, International Schools, Post Offices, State Bank of India and different higher secondary schools of State Government.

CHALLENGES

- Transfer Policy and decline in new appointments has resulted to acute shortage of teaching staff in the department.
- Lack of ICT Classrooms
- Lack of funds to arrange expert lectures and enrichment programmes

FUTURE PLANS

- Setting up a separate computer Lab to provide internet facility for students
- Organization of seminars, workshops and conferences
- Organization of special lectures by external experts
- Starting enrichment courses in Basic Mathematics for students

Department of Philosophy

1. Name of the department **Philosophy**
2. Year of Establishment **1970**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Undergraduate Courses with Philosophy
4. Names of Interdisciplinary courses and the departments/units involved
Generic Elective Course: This Course is offered to students of Bengali, English, History, Sanskrit and Political Science Honours Course during 1st and 2nd semester of academic session 2016-2017
5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	B.A. Honours in Philosophy	Till 2015	Annual
2	B.A. Honours in Philosophy	From 2016	CBCS
3	B.A. Programme with Philosophy	From 2016	CBCS
6. Participation of the department in the courses offered by other departments
 - **General Paper of Bengali, English, History, Political Science and Sanskrit Honours Course**
 - **Discipline Specific Core Course:** This course is offered to students of Bengali, English, History, and Political Science Programmes during 1st and 2nd semester of academic session 2016-2017
7. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
8. Details of courses/programmes discontinued (if any) with reasons:
Nil
9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	00	-
Associate Professor	04 *	-
Assistant Professor	03	

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Bhumika Kanjilal	M. A., Ph.D.	Assistant Professor (HOD)	Political Philosophy, Metaphysics and Philosophy of Education.	11y	-
Dr. Shalmoli Palit	M. A., Ph.D.	Assistant Professor	Philosophy of Cognition and Mind	8y	-
Sujoy Gayen	M. A.	Assistant Professor	Nyaya- Vaisesika, Jainism	1y	-

11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:
No temporary faculty serves the department
13. Student -Teacher Ratio (Programme wise):
- | Sl. no | Course | Student-Teacher Ratio |
|--------|-------------------------------------|-----------------------|
| 1 | B.A. Honours, Semester I | 9:1 |
| 2 | B.A. Programme, Semester I | 7:1 |
| 3 | B.A. Generic, Semester I | 11:1 |
| 4 | B.A. 2 nd year (Hons) | 10:1 |
| 5 | B.A. 2 nd year (General) | 70:1 |
| 6 | B.A. 3 rd year, (Hons) | 3:1 |
| 7 | B.A. 3 rd year (General) | 60:1 |
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:
Nil
15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.
- | Qualification | D.Sc. | D.Litt. | Ph.D. | M.Phil. | PG |
|-------------------|-------|---------|-------|---------|----|
| Number of faculty | - | - | 02 | - | 01 |

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Title	PI	Funding agency	Period	Total grant	Status
Education and self-development	Dr. Bhumika Kanjilal	UGC(MRP) F.No. PHW-017/14-15(ERO)	2015-2017 Date of commencement, 16 th March 2015	300000/- (First instalment- 255000/-)	ongoing

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **Please ref. to Q.16**

18. Research Centre /facility recognized by the University: **Nil**

19. Publications:

Sl. no	Publications of the faculty members	Total number
1	Research articles/Reviews	02
2	Books	-
3	Book Chapters in Edited Volumes	01
4	Conference Proceedings	01

Faculty Name	Publication						Citation	h index
	Books with ISBN/ ISSN	In Peer Reviewed Journal	Book Chapters/Articles in Edited Volume	Conference Proceeding	Monographs	Abstracts		
Dr. Bhumika Kanjilal	-	01	01	01	-	04		
Dr. Shalmoli Palit	-	-	-	-	-	-		
Sujoy Gayen	-	-	-	-	-	-		

20. Areas of consultancy and income generated:

Faculty members participate in different events as resource person. The remuneration (if any) received is shared personally by the faculty members.

Participation of the faculty member in Seminars/ Conferences/Workshops as resource person

Event	Date	Organized by	Title of the paper	Resource Person
Yoga Consciousness	21.03.2015	Centre of Aurobindo Studies Jadavpur University(sponsored by UGC)	Psychological aspects in Aurobindo's Yoga	Dr. Shalmoli Palit
NSS Special camp	27.02.16	NSS Unit Durgapur Government College	Gandhian concept of Education	Dr. Bhumika Kanjilal

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards....**None**
22. Student projects
 a) Percentage of students who have done in-house projects including inter departmental/programme
 All undergraduate students do a project on "Environmental Science" as the part of their course curriculum.
 b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: **NIL**
23. Awards / Recognitions received by faculty and students: **NIL**

24. List of eminent academicians and scientists / visitors to the department

Name	Details
Prof. Sadhan Chakraborty	Formerly Professor in Philosophy Jadavpur University and was in charge of the counseling cell of Darsan Bhavan Jadavpur University delivered the Keynote Address at the One day State level Seminar organized by the department sponsored by ICSSR.
Prof. Abhik Banerjee	Associate Professor (Retd), Scottish Church College. Delivered Special lecture on St.Augustine and St.Anselm. on 06.12.2016.

25. Seminars/ Conferences/Workshops organized & the source of funding

Seminar	Organizer	Sponsoring Agency	Date
ONE-DAY STATE LEVEL on Glimpses of Thoughts of Some Contemporary Indian Philosophers	Organized by the Department of Philosophy in collaboration with the Department of Philosophy, Kazi Nazrul University	ICSSR (Indian Council Of Social Science Research)	21.09.16

26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students admitted							Appeared in the year	No. of stud. appeared*	Pass %			
			Total	Category wise				Gender wise							
				Gen.	SC	ST	OBSC	Male	Female						
Philosophy Honours (Annual)	2011	400	78	55	18	05	00	22	56	2014	17	47.1			
	2012	136	78	55	18	05	00	34	44	2015	23	30.4			
	2013	-#	23	22	01	00	00	08	15	2016	20	25.0			
	2014	32	11	09	02	00	00	01	10	Will Appear in 2017					
	2015	93	35	29	03	01	02	23	12	Will Appear in 2018					
Philosophy Honours (CBCS)	2016	97	25	14	08	01	02	14	11	Will Appear in 2019					
Philosophy Programme (CBCS)	2016		08	08	00	00	00	02	06	Will Appear in 2019					

*Includes UG candidates of the current session and reappeared candidates from previous years

#Admission Through Centralised Counselling by University of Burdwan

27. Diversity of Students (current students)
All students of the department are from same state (West Bengal)
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? About 2-3 students from each batch have cleared Defense services and opted Nursing as a career.
29. Student progression

Student progression	Against % enrolled
UG to PG	2010-11: 1.2% 2011-12: 2.0% 2012-13: 2.5% 2013-14: 1.8% 2014-15: 2.2%
PG to M.Phil.	
PG to Ph.D	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	-----
Entrepreneurship/Self-employment	---

30. Details of Infrastructural facilities

Library: Total 235 books (Reference and Text Books) are present in the seminar library of the department. Teachers and students can borrow text as well as reference books. In Charge: Sujoy Gayen

Internet facilities for Staff & Students: The Department does not involve internet and computer facilities separately. Faculty members can access internet facilities in the staff room, Principal's Office and Library. Students can access computers only in Central Library. Total 3 computers are available in the central library for public access.

Class rooms with ICT facility: **Nil**

Laboratories: **Nil**

31. Number of students receiving financial assistance from college, university, government or other agencies

Name	Category	Roll No.	Session	B.A Year	Name of Financial Grant
Puja Dhibar	SC	15AH/288	2015-16	2 nd Year	Kanyashree Prakalpa
Preeti Paul	GEN	15AH/286	2015-16	2 nd Year	Kanyashree Prakalpa
Priti Biswakarma	Gen	15AH/296	2015-16	2 nd Year	Kanyashree Prakalpa

Name	Category	Roll No.	Session	B.A Year	Name of Financial Grant
Diya Ghosh	GEN	15AH/287	2015-16	2 nd Year	Kanyashree Prakalpa
Anikita Mukherjee	Gen	15AH/291	2015-16	2 nd Year	Kanyashree Prakalpa
Pallabi Roy	Gen	15AH/295	2015-16	2 nd Year	Kanyashree Prakalpa
Babita Maddi	ST	15AH/318	2015-16	2 nd Year	Kanyashree Prakalpa
Roshni Sen	Gen	15AH/305	2015-16	2 nd Year	Kanyashree Prakalpa
Puja Sen	Gen	15AH/302	2015-16	2 nd Year	Kanyashree Prakalpa
Sathi Ghosh	GEN	15AH/309	2015-16	2 nd Year	Kanyashree Prakalpa
Madhumita Joydhar	GEN	14AH/236	2014-15	3 rd Year	Kanyashree Prakalpa
Nibedita Goswami	Gen	14AH/240	2014-15	3 rd Year	Kanyashree Prakalpa
Seuli Mondal	SC	14AH/239	2014-15	3 rd Year	Kanyashree Prakalpa

Students who have been granted concession in tuition fees with effect from August 2011(2011-2012)-FIRST YEAR HONS

Name	Class Roll	% of Marks in H.S	Freeship
Joy Mukherjee	B.A.HONS 251	Above 60%	Full
Amarnath Mukherjee	252	Do	Do
Kishore Ghorui	282	Do	Do
Baishaki Pal	381	Do	Do
Anita Saha	385	Do	Do
Sraboni Mukherjee	372	Do	Do
Rocky Dutta	406	Do	Do
Beauty Kumbhakar	451	Do	Do
Jhumur Das	461	Do	Do
Soumen Pal	469	Do	Do
Sandip Haldar	473	Do	Do

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts
- **Special Lectures** were delivered in the Department by the following external experts. Please refer to Table 2.10 of Chapter 2 for details.
 - Prof. Abhik Banerjee (Scottish Church College)
 - Prof. Apree Dutta (Kazi Nazrul University)
 - **Educational tours** was organized to Belur Math and Ramakrishna Mission Vidyamandir for students on 21.01.2017. Please refer to Table 3.2 of Chapter 3 for details.
 - **Orientation Programme for first year students:** The student orientation program(for 1st Yr. student) is a usual part of the academic calendar of the department, where the teachers of the department take initiative to deliver lectures on both academic awareness as well as on general health and sanitation or cleanliness guidelines. Academic awareness includes the proper management of time in case of studies or measures that can be employed for better way of presentation of a thought through writing. The cleanliness guidelines includes the measures maintain the cleanliness of departmental classrooms and the college campus.

- **Student Seminar:** A student seminar (for 1st, 2nd Yr. students) was held on 30.11.15 where students presented paper on various issues like
 - ✓ teacher student relationship,
 - ✓ different problems that the first year students face while coping up with an entirely new environment of a college and what can be the possible remedial measures
 - ✓ how students can co-operate amongst themselves even regarding the interdisciplinary approach in case of studies language problem, unknown problems or uneasiness.
- **Awareness Programmes for students:** A student awareness program was held on 30.11.15 which was a part of the Minor Research Project (MRP) of HOD, Dr. Bhumika Kanjilal who delivered the lecture on "Chitta-vritti and process of Chitta-vritti nirodha". This lecture was based on Yoga Darsan and the various ways that Yoga appeals us to know the mind or Chitta and its various modifications or vrittis. The nature of mind was also explained in this program. This was essentially done because students of this age (1st Yr. students) many a times go astray because of not properly knowing the ways and means of restraint of the Chitta. As is well known we always perhaps are in search of the one primary philosophical question of Who I am? This becomes all the more difficult if there is less experience and more excitement. As a teacher, therefore it is important to make student aware of What the mind can do to allure a being?

33. Teaching methods adopted to improve student learning
 - Microsoft Power point presentations are used during the lectures to demonstrate different topics
 - e-books and documents are available in the central library where the abstracts of seminar papers of faculty members as well as reports on Minor Research Projects are made available. In Addition to these valuable write-ups of the visiting faculty members are made available to the students in print or in photocopy.
 - Preparation of innovative learning modulus on special topics involving the students by way of asking them to frame relevant questions on a said topic, preparation of written assignments by students(for eg- assigning students home assignments and open book assignments in class), holding discussions sessions during the classes. In addition to this many at times students are asked to take classes of their fellow students in presence of any one faculty member.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Details of Students enrolled in NSS

1. Kajal Karmakar, Roll-238, 3rd year 2016-17
2. Dolon Mondal, Roll-292, 2nd year 2016-17
3. Susmita Bauri, Roll-311, 2nd year 2016-17
4. Jayasree Roy, Roll-339, 2nd year 2016-17

Details of Students enrolled in NCC

1. Jiban Gorai, Roll-303, 1st year 2015-16
2. Sanchita Akuli, Roll-314, 1st year 2015-16

List of Medals and Recognition of NCC Students

Students' Achievements In Other Activities

Name	Drill	Sp. Drill	Yoga	Volly Ball	Shooti ng	Run	Confidenc e
Sanchita Akuli	1 ST and 2 nd position in two respectively in 2016 (50 Bengal Battalion NCC Bolpur) & (43 Bengal Battalion NCC Chinsurah)	1 st position (won a Medal) 2016 (50 Bengal Battalion NCC Bolpur)	1 st positio n (won a Medal) 2016 (43 Bengal Battalion NCC Chins urah)	1 st position(w on a Medal) 2016 (50 Bengal BattalionN CCBolpur)	-----	2 nd positi on (50 Ben gal Batt alio n NCC Bolp ur)	Won medal 2016 (50 Bengal BattalionN CCBolpur)
Jiban Gorai	-----	-----	-----	-----	1 st positio n(won a Medal) 2016(5 Bengal Battali onNCC Bardwan	-----	-----

- Students participate in the College Annual Exhibition where they take up relevant social issues and relate it with Philosophical analysis: The theme of the Annual exhibition 2016-17 was on Respect of Woman in Society The theme of the Annual exhibition 2015-16 was on **Humanism**. The theme of the Annual exhibition 2014-15 was on **Tolerance and Peace**. The theme of the Annual exhibition 2013-14 was on **Feminism**.
35. SWOC analysis of the department and Future plans
- Strength:**
The Department's strength is always its students. The teachers are the path-finders the fearless navigators who lead their students through all odds and make them equipped to face all subtle issues of the subject.
- Weakness:**
Infrastructure and insufficient provision for advanced technologies to be used as teaching aids like projectors etc.
- Opportunities:**
Created solely by teacher- student co-ordination and student awareness program which further augments their own sense of responsibility that indeed enables them to be better citizens in the society.

Challenges:

A few standing problems like, attendance in case of students commuting from a considerable distance, students coming from very weak financial backgrounds and those who meet unfavorable conditions for pursuing their studies after admission to the college.

Future plans:

The efficient and effective functioning of the department by way of inclusion of more student enrichment programs, an advanced infrastructural set up, sufficient provision for the students for being updated with the current Philosophical developments and thoughts taking place worldwide by help of internet facilities. It will be also enriching if there comes an opportunity for this department to be upgraded for taking up Postgraduate classes duly approved by the affiliating University.

Department of Physical Education

1. Name of the department **Physical Education**
2. Year of Establishment **1998**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Undergraduate Courses (General)
4. Names of Interdisciplinary courses and the departments/units involved **Nil**
5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	B.A./B.Sc. General	Till 2015	Annual
2	B.A./B.Sc. Programme	From 2016	CBGS
6. Participation of the department in the courses offered by other departments
General Paper of B.A./B.Sc. Honours course and General course
Core Paper of B.A./B.Sc. Programmes (From 2016)
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**
9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	00	-
Associate Professor	03 *	-
Assistant Professor		02

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Saumitra Karmakar	M.PEd.	Assistant Professor	Football	09	-
Dr. Nazrul Islam Mallick	M.PEd, Ph.D.	Assistant Professor	Football	01	-
Basudev De	M.PEd.	Part Time Faculty	Athletics	12	
Dr. Chaitali Dutta	M.Sc., Ph.D	Part Time Faculty		14	

11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Sl. no	Name of Part time faculty	Course	% Classes taken (out of total undergraduate classes allotted for the department)
1	Basudev De	Undergraduate	23.3%
2	Dr. Chaitali De	Undergraduate	20%

13. Student -Teacher Ratio (Programme wise):

Sl. no	Course	Student: Teacher Ratio
1	B.A./B.Sc. Programme, 1 st Year	5.3:1
2	B.A. B.Sc. General, 2 nd Year	22:1
3	B.A./B.Sc. General, 3 rd Year	23.8:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **Nil**

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	02	-	02

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

18. Research Centre /facility recognized by the University: **Nil**

19. Publications:

Sl. no	Publications of the faculty members	Total number
1	Research articles/Reviews	08
2	Books	08
3	Book Chapters in Edited Volumes	-
4	Conference Proceedings	-

Faculty Name	Publication						Citation	h index
	Books with ISBN / ISSN	In Peer Reviewed Journal	Book Chapters/Articles in Edited Volume	Conference Proceeding	Mongraphs	Abstracts		
Saumitra Karmakar	08	02	-	-	-	10	-	-
Dr. Nazrul Islam Mallick	-	07	-	-	-	-	-	-

20. Areas of consultancy and income generated:

One of the Faculty members participates in different events as resource person. The remuneration (if any) received is shared personally by the faculty member.

Participation of the faculty member in Seminars/ Conferences/Workshops as resource person

Event	Date	Organized by	Title of the paper	Resource Person
Workshop	03.04.12-04.04.12	Expert Committee on School Education	Curriculum, Syllabus and Preparation of Text Books of Secondary Education	Saumitra Karmakar
Workshop	28.05.12-30.05.12	Expert Committee on School Education	Curriculum, Syllabus and Preparation of Text Books of Secondary Education	Saumitra Karmakar
Workshop	04.04.13-05.04.13	Expert Committee on School Education	Curriculum, Syllabus and Preparation of Text Books of Secondary Education	Saumitra Karmakar

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards.... **None**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

All undergraduate students do a project on "Environmental Science" as the part of their course curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: **NIL**

23. Awards / Recognitions received by faculty and students

Please Refer to the Q. 5.3.2 of Chapter 5 for awards received by students in different sports tournaments.

24. List of eminent academicians and scientists / visitors to the department:

NIL

25. Seminars/ Conferences/Workshops organized & the source of funding: **NIL**

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage (%)
			*M	*F	
B.A./B. Sc; 2016-17	50	14	08	06	Yet to appear
B.A./B. Sc; 2015-16	135	89	62	27	89
B.A./B. Sc; 2014-15	140	95	64	31	85
B.A./B. Sc; 2013-14	150	85	72	23	88
B.A./B. Sc; 2012-13	146	108	93	15	86
B.A./B. Sc; 2011-12	130	81	67	14	88

27. Diversity of Students (current students)

All students of the department are from same state (West Bengal)

28. How manyof tudents have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **NA**

29. Student progression

Student progression	Against % enrolled
UG to PG	50
PG to M.Phil.	NIL
PG to Ph.D.	02*
Ph.D. to Post-Doctoral	NIL
Employed •Campus selection •Other than campus recruitment	NIL --- 14%
Entrepreneurship/Self-employment	NIL

*Raju Biswas and Dibendu Bej completed their graduation degrees from the institution with physical education as one of the combination subjects. Thereafter, Raju Biswas completed B.PEd and M.PEd from State University of Barasat and is presently pursuing PhD from University of Kalyani. Debendu Bej completed his B.PEd and M.PEd from Visva-Bharati University and he is presently pursuing PhD. From Visva Bharati University.

30. Details of Infrastructural facilities
- a) *Library*: The Department does not have seminar facility. Books on Physical Education are available in the Central Library
- b) *Internet facilities for Staff & Students*: **Nil**
- c) *Class rooms with ICT facility*: **Nil**
- d) *Laboratories*: **Nil**
31. Number of students receiving financial assistance from college, university, government or other agencies:
- General courses are only offered by this department. These courses are provided for students belonging to honours courses of different subjects and B.A./B.Sc. General course. Students receive Merit Cum Means Scholarships, Kanyashree Prakalpa Scholarship and Post Matric Scholarship. Data related to the financial assistance received by these students have been included in the evaluative reports of other departments and Chapter 5.
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: **Nil**
33. Teaching methods adopted to improve student learning
- ✓ Demonstration method of teaching (Specific method of Sports teaching and coaching)
 - ✓ Audio-Visual Clips of different sports skills are shown to the students for better understanding and improvement of their performance in sports. Department preserves separate CDs for these clips.
 - ✓ Merit and written test followed by field performance.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Record For The Students Who Were Engaged In N.C.C And N.S.S

SESSION:2011-2012 N.C.C=08 & N.S.S=12

SI. No.	Roll No.	Name	N.C.C	SI. No.	Roll No.	Name	N.S.S
1	274	Amrit Mondal		1	166	Surajit Bairagi	
2	154	Soma Layek		2	154	Soma Layek	
3	291	Buddhadev Bajpayee		3	221	Tanmay Kumar Murmu	
4	261	Soumen Mondal		4	291	Buddhadev Bajpayee	
5	496	Piyali Barui		5	617	Asit Dhar	
6	617	Asit Dhar		6	619	manta Das	
7	619	manta Das		7	733	Sanjib Pal	
8	639	Tarak Dey		8	325	Sharmistha Bhattacharjee	
				9	602	Sohag Majumder	
				10	503	Dipu Bouri	
				11	449	Tuki Murmu	
				12	692	Ganesh Mandi	

SESSION:2012-2013 N.C.C=16 & N.S.S=07

SI. No.	Roll No.	Name	N.C.C	SI. No.	Roll No.	Name	N.S.S
1	158	Swarup Das		1	456	Tarasankar Jana	
2	454	Arijit Karmakar		2	474	Indrani Pal	
3	475	Rahul Maity		3	479	Sujoy Kr. Mahato	
4	489	Azijul Ghose		4	658	Chottu Badyakar	

Sl. No.	Roll No.	Name	N.C.C	Sl. No.	Roll No.	Name	N.S.S
5	433	Santosh Paramanik		5	668	Bhaskar Mallick	
6	718	Ramani Mandi		6	688	Sanjit Hembram	
7	749	Rintu Ankure		7	718	Ramani Mandi	
8	910	Saptya Sarathi Banerjee					
9	856	Gorachand Chowdhury					
10	940	Paramita Kundu					
11	474	Indrani Pal					
12	655	Dugai Baskey					
13	682	Bulti Ruidas					
14	879	Surja Kanta Das					
15	951	Apu Bouri					
16	570	Debashis Chakraborty					

SESSION:2013-2014 N.C.C=05 AND N.S.S=11

Sl. No.	Roll No.	Name	N.C.C	Sl. No.	Roll No.	Name	N.S.S
1	140	Nabiruddin Mallick		1	83	Uma Soren	
2	150	Maheswar Gorai		2	150	Maheswar Gorai	
3	362	Maheswar Dhibar		3	266	Indrani Sarkar	
4	378	Santanu Biswas		4	291	Agomoni Gorai	
5	219	Souvik Roy		5	308	Suraj Gayen	
				6	314	Paritosh Halder	
				7	325	Bhaskar Ch. Mallick	
				8	330	Sumanta Mondal	
				9	340	Joyshree Das	
				10	388	Sukumar Kisku	
				11	362	Maheswar Dhibar	

SESSION:2014-2015 N.C.C=05 & N.S.S=12

Sl. No.	Roll No.	Name	N.C.C	Sl. No.	Roll No.	Name	N.S.S
1	1	Subham Sharma		1	4	Mamoni Sarkar	
2	95	Ganesh Nayak		2	38	Debashis Dutta	
3	192	Rakesh Lohar		3	60	Susmita Dutta	
4	207	Pallabi Chowdhury		4	71	Jagadish Sarkar	
5	341	Gouri Mondal		5	168	Nirmalya Sarkar	
				6	177	Barsha Hazam	
				7	192	Rakesh Lohar	
				8	263	Nilanjana Sarkar	
				9	317	Bishal Banik	
				10	335	Epil Murmu	
				11	367	Anita Adhikary	
				12	396	Subhadra Gorai	

SESSION:2015-2016 N.C.C=02 & N.S.S=05

Sl. No.	Roll No.	Name	N.C.C	Sl. No.	Roll No.	Name	N.S.S
1		Ruma Ruidas		1	71	Sangita Hazra	
2		Anima Mandi		2	186	Anita Hazra	
				3	223	Imtaz Khan	
				4	245	Deeya Saha	
				5	362	Mukul Mukherjee	

35. SWOC analysis of the department and Future plans

Strength:

1. Institution involves a huge campus with different playgrounds which provide adequate space for different sports activities and practical classes related to the department.
2. Dedicated students who perform outstandingly in different sports events
3. Students get proper training of physical fitness, team spirit, impartiality and punctuality under the supervision of dedicated and experienced faculty members.

Weakness:

1. Shortage of faculty members.
2. No storekeeper is present in the Department which creates great inconvenience regarding the storage of sports accessories.
3. Lack of proper funding to purchase advanced sports items.

Opportunities:

1. Department of Physical Education provides ample job opportunities such as Physical Instructor of different organizations, Coach of different sports training institutes and clubs, schools, colleges, Indian Army, Police services etc.

Challenges:

1. The institution does not involve any Honours Course in Physical Education. Therefore, advanced teaching of the subject is beyond the scope of the department.
2. Transfer policy of State Government and decline in new appointments leads to the shortage of faculty members and administrative staff in the Department.
3. Lack of funding under the Plan head of State Government for last 3 years.

Future plans:

3. The Department has already applied for the introduction of Honours Course in Physical Education. The Proposal has been sent to the Department of Higher Education, Government of West Bengal for approval.
4. The Department is planning to send a proposal to the Ministry of Youth Affairs and Sports, Department of Sports, Government of India for financial assistance under "Khello India-Sports Infrastructure" Scheme.
5. Applying for different minor and major research projects to avail financial assistance from different sponsoring agencies.

Department of Physics

1. Name of the department **Physics**
2. Year of Establishment **1973**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Undergraduate Courses with Physics

4. Names of Interdisciplinary courses and the departments/units involved
Nil

5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	B.Sc. Honours in Physics	Till 2015	Annual
2	B.Sc. Honours in Physics	From 2016	CBCS
3	B.Sc. Programme with Physics	From 2016	CBCS

6. Participation of the department in the courses offered by other departments
 - **Elective Paper of Mathematics and Chemistry Honours Course**
 - **Generic Elective Course of Mathematics Honours Course**
 - **Discipline Specific Core Course of Chemistry & Mathematics Programme**

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil

8. Details of courses/programmes discontinued (if any) with reasons
Nil

9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	1	-
Associate Professor	7 *	-
Assistant Professor		5

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Kripasindhu Kumar	M.Sc.	Assistant Professor (HOD)	Electronics & Communication	8	-
Dr. Swapan Kumar Ghosh	M.Sc. Ph.D.	Assistant Professor	Elementary Particle Physics & Quantum Field Theory	9	-
Hrishikesh Mondal	M.Sc.	Assistant Professor	Nuclear Physics	8	-
Sudeep Kumar Das	M.Sc.	Assistant Professor	Radio Physics & Electronics	8	-
Nupur Bhakta	M.Sc.	Assistant Professor	Solid State Physics	1	-

11. List of senior visiting faculty

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

NA

13. Student -Teacher Ratio (Programme wise)

Sl. No.	Course	Student- Teacher Ratio
1	B.Sc. Honours, Semester I	3.6:1
2	B.Sc. Programme, Semester I	3:1
3	B.Sc. Generic, Semester I	10:1
4	B.Sc. 2nd year (Honours)	4.6:1
5	B.Sc. 2nd year (General)	29.5:1
6	B.Sc. 3rd year, (Honours)	3:1
7	B.Sc.3rd year (General)	11:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Nil

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	1	-	4

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Nil

18. Research Centre /facility recognized by the University

Nil

19. Publications:

Sl. no	Publications of the faculty members	Total number
1	Research articles/Reviews	16
2	Books	-
3	Book Chapters in Edited Volumes	01
4	Conference Proceedings	06

Faculty Name	Publication						Citation	h index
	Books with ISBN/ ISSN	In Peer Reviewed Journal	Book Chapters/Articles in Edited Volume	Conference Proceeding	Monographs	Abstracts		
Dr. Swapan Kumar Ghosh	-	12	01	01	-	-	-	-
Kripasindhu Kumar	-	-	-	02	-	01	-	-
Hrishikesh Mondal	-	02	-	01	-	-	-	-
Sudeep Kumar Das	-	01	-	01	-	01	-	-
Nupur Bhakta	-	01	-	01	-	-	-	-

20. Areas of consultancy and income generated

Nil

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards....

None

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme

None

- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies

None

23. Awards / Recognitions received by faculty and students

Nil

24. List of eminent academicians and scientists / visitors to the department

Name	Institution	Date
Prof. Soumitra Banerjee	IISER, Kolkata	14/01/2017

25. Seminars/ Conferences/Workshops organized & the source of funding

Sl. No.	Title of the Seminar/ Conference/ Workshop	Sponsored by	Organized by	Date
1	Seminar on Discovery of Gravitational Wave	Durgapur Government College	Department of Physics, Durgapur Government College *	14/01/2017
2	National Conference on Non-linear Dynamics and Its Applications (CNDA-16)	DST, DAE, DRDO, INSIA	Department of Physics, Durgapur Government College **	07/02/2017 To 09/02/2017

* In association with APC Roy Scientific Society

** Jointly organised with Michael Madhusudan Memorial College

26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students admitted						Appeared in the year	No. of student appeared*	Pass %			
			Total	Category wise			Gender wise							
				Gen.	SC	ST	OBC	Male						
Physics Honours (Annual)	2011	400	45	32	10	3	0	31	14	2014	19	52.6		
	2012	422	45	32	10	3	0	26	19	2015	25	48.0		
	2013	- #	27	22	5	0	0	17	10	2016	17	41.2		
	2014	332	43	30	7	0	6	30	13	Will Appear in 2017				
	2015	423	25	19	4	0	2	20	5	Will Appear in 2018				
Physics Honours (CBCS)	2016	333	33	18	7	1	7	24	9	Will Appear in 2019				
Physics Programme (CBCS)	2016	333	4	4	0	0	0	3	1	Will Appear in 2019				

* Includes UG candidates of the current session and reappeared candidates from previous years

Admission Through Centralised Counselling by University of Burdwan

27. Diversity of Students (current students)

All students of the department are from same state (West Bengal)

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

JAM- 04

- (i) Rakesh Rajak
- (ii) Ayatri Singha
- (iii) Nabagata Choudhury
- (iv) Arkayan Laha

NET- 02

- (i) Jadupati Nag after completion of M.Sc. from JNU
- (ii) Rakesh Rajak after completion of M.Sc. from IIT, Kharagpur

GATE- 03

- (i) Jadupati Nag after completion of M.Sc. from JNU
- (ii) Priya Mondal after completion of M.Sc. from B.U.

29. Student progression

Student progression	Against % enrolled
UG to PG	Batch: 2010-2013: 10 students Batch: 2011-2014: 8 students Batch: 2012-2015: 7 students Batch: 2013-2016: 5 students
PG to M.Phil.	NA
PG to Ph.D	NA
Ph.D. to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	Nil
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

Library:

There are 310 volumes in the Departmental Seminar Library.

In Charge: Mr. Kripasindhu Kumar

Internet facilities for Staff & Students:

There are two computers with internet connection accessible to departmental faculty, staff and student.

Class rooms with ICT facility:

Nil

Laboratories:

Well equipped laboratories for 1st, 2nd and 3rd year students of honours and general/programme courses. Computational physics classes are carried out in the college computer lab.

31. Number of students receiving financial assistance from college, university, government or other agencies

Sl. No.	Name	Year	Amount	Financial assistance from
1	Akash Pal	2015	10,800	Merit cum means scholarship
2	Ankit Tiwari	2015	10,800	Merit cum means scholarship
3	Sayani Mitra	2015	10,000	C.B.S.E. scholarship (CENTRAL SECTOR SCHEME)

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Please refer to Q. 24 and Q. 25.

33. Teaching methods adopted to improve student learning

- **Use of Overhead Projector to demonstrate lectures**
- **Group discussions during practical classes**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Students of this department participate in college annual exhibition and display posters, charts, models on popular science almost every year.

35. SWOC analysis of the department and Future plans

STRENGTH

- ✓ Dedicated and Dynamic Faculty members with research interest
- ✓ Sincere and Dedicated Students
- ✓ Provision for students to exhibit innovative ideas & projects
- ✓ Career & Personal counseling offered through teaching learning process
- ✓ Co-operation from the parent university (University of Burdwan and Kazi Nazrul University)
- ✓ Well Equipped Laboratories for the students
- ✓ Well maintained Departmental Seminar Library with Reference and Text Books for Faculty Members and Students of the Department
- ✓ Departmental Computer with Internet Facility for Faculty Members and Students of the Department

WEAKNESS

- Lack of space is a major impediment in starting new courses and creating adequate space for research activities
- Insufficient Library Resources in Departmental Seminar Library
- The Socio-Economic Background of many students causing poor language competence in English, leading to an unsatisfactory level of comprehension and communication
- Limitations of opening Job-Oriented and Skill Development courses for the students
- No scope for Faculty Exchange or Student Exchange Programmes due to Structural and Governmental Policy
- Insufficient Recreation Facilities for Faculty Members and Students

OPPORTUNITY

- Students have the opportunity to get hands on training of computational physics included under the CBCS curriculum
- Students get exposure to new innovative research topic through departmental seminars and expert lectures

CHALLENGES

- ❖ Vacant Posts of the Teaching and Non-Teaching Staff
- ❖ Financial constraints have to be addressed in more innovative ways
- ❖ No financial support for repairing damaged instruments and maintenance of the existing equipments
- ❖ Limited space for accommodation in Classrooms and Laboratory
- ❖ Meager communication of the College hinders growth and development

FUTURE PLANS

- Use of Modern Software for Laboratory Experiments and E-Library in the departmental Laboratory and Library
- Developing Smart Classroom
- To Set up Departmental Computer Laboratory for Experimental Simulation of Sci-LAB and MATLAB and Computational Physics
- Electrical Power Backup for the Department though generator/UPS
- Courses or Initiative to develop English Communication Skill
- Arranging Interactive Sessions for the students with Eminent Professors, Subject Experts, Research Scholars to create Awareness about the recent research trends and Motivation for Higher Education
- Educational Tour to develop Research Interest and Job-Oriented Skill
- Translating the goodwill and affinity of the students for the college into active alumni involvement

Department of Political Science

1. Name of the department **Political Science**
2. Year of Establishment **1970**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Undergraduate Courses with Political Science

4. Names of Interdisciplinary courses and the departments/units involved:
Generic Elective Course: This course is offered to students of English, Bengali, Philosophy, History, Sanskrit and Economics Honours Course during the 1st and 2nd semester of academic session 2016-2017
5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	B.A. Honours in Political Science	Till 2015	Annual
2	B. A. Honours in Political Science	From 2016	CBCS
3	B. A. Programme with Political Science	From 2016	CBCS

6. Participation of the department in the courses offered by other departments
 - **General Paper of English, Bengali, History, Philosophy, Sanskrit and Economics Honours Course**
 - **Discipline Specific Core Course Paper:** This course is offered to students of English, Bengali, History, Philosophy, Political Science and Sanskrit Programmes during the 1st and 2nd semester of academic session 2016-2017
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**
9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	00	Not applicable
Associate Professor	04 *	01 (Through CAS)
Assistant Professor		02

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Gargi Mukhopadhyay	M. A.	Associate Professor (HOD)	Comparative Politics, Gender studies, Human Rights, Terrorism	15	-
Nabamita Barman	M. A.	Assistant Professor	Indian State and Society, Indian Political Thought, Tagore's Studies.	07	-
Chitra Roy	M. A., M.Phil	Assistant Professor	Political Sociology, Indian Political Thought, Political Theory, Tagore's Nationalism	01	-
Manasi Das	M. A., B.Ed	Part Time Faculty	Sociology	22	-
Mithu Niyogi	M. A., B.Ed M.A. In Education	Part Time Faculty	Human Rights	11	-
Biadyanath Kundu	M. A., M.Phil	Part Time Faculty	Public Administration, Indian Political Thought	08	-

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Sl. no	Name of Part time faculty	Course	Classes taken (out of total undergraduate classes allotted for the department)	
			Lectures (%)	Practical (%)
1	Manasi Das	Undergraduate	8.82	NA
2	Mithu Niyogi	Undergraduate	10.30	NA
3	Biadyanath Kundu	Undergraduate	10.30	

13. Student -Teacher Ratio (Programme wise):

Sl. no	Course	Student-Teacher Ratio
1	B.A. Honours, Semester I	6:1
2	B.A. Programme, Semester I	6:1
3	B.A. Generic, Semester I	7:1
4	B.A. 2 nd year (Hons)	13:1
5	B.A. 2 nd year (General)	72:1
6	B.A. 3 rd year, (Hons)	4:1
7	B.A. 3 rd year (General)	76:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

NIL

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	-	02	04

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Nil

18. Research Centre /facility recognized by the University:

Nil

19. Publications:

Sl. no	Publications of the faculty members	Total number
1	Research articles/Reviews	09
2	Books	-
3	Book Chapters in Edited Volumes	03
4	Conference Proceedings	-

Faculty Name	Publication							Citation	h index
	Books with ISBN / ISSN	In Peer Reviewed Journal	Book Chapters /Articles in Edited Volume	Conference Proceeding		Monographs	Abstracts		
Gargi Mukhopadhyay	-	-	02	-	-	11	-		
Nabamita Barman	-	01	01	-	-	-	-		
Chitra Roy	-	-	-	-	-	-	-	-	-

20. Areas of consultancy and income generated: **NIL**
21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards.... **None**
22. Student projects
 a) Percentage of students who have done in-house projects including inter departmental/programme
 All undergraduate students do a project on "Environmental Science" as the part of their course curriculum.
 b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: **NIL**
23. Awards / Recognitions received by faculty and students: **NIL**
24. List of eminent academicians and scientists / visitors to the department: **NIL**
25. Seminars/ Conferences/Workshops organized & the source of funding: **NIL**
26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students admitted							Appeared in the year	No. of stud. appeared*	Pass %			
			Total	Category wise				Gender wise							
				Gen.	SC	ST	OB	Male	Female						
Political Science Honours (Annual)	2011	600	75	52	18	05	00	22	53	2014	25	72.0			
	2012	215	76	53	18	05	00	20	56	2015	28	50.0			
	2013	---#	48	42	05	01	00	18	30	2016	42	57.1			
	2014	56	22	21	01	00	00	09	13	Will Appear in 2017					
	2015	263	65	44	17	01	03	28	37	Will Appear in 2018					
Political Science Honours (CBCS)	2016	143	37	21	12	02	02	15	22	Will Appear in 2019					
Political Science Programme (CBCS)	2016		19	18	01	00	00	12	07	Will Appear in 2019					

*Includes UG candidates of the current session and reappeared candidates from previous years

#Admission Through Centralised Counselling by University of Burdwan

27. Diversity of Students (current students)
All students of the department are from same state (West Bengal)
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
29. Student progression

Student progression	Against % enrolled
UG to PG	68%
PG to M.Phil.	
PG to Ph.D	
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	-----
• Other than campus recruitment	----
Entrepreneurship/Self-employment	37%

30. Details of Infrastructural facilities

Library: Not available

Internet facilities for Staff & Students: The Department does not involve internet and computer facilities separately. Faculty members can access internet facilities in the staff room, Principal's Office and Library. Students can access computers only in Central Library. Total 3 computers are available in the central library for public access.

Class rooms with ICT facility: **Nil**

Laboratories: **Nil**

31. Number of students receiving financial assistance from college, university, government or other agencies: **Nil**
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: **Nil**
33. Teaching methods adopted to improve student learning
 Group discussions and Tutorial classes
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Nil**

35. SWOC analysis of the department and Future plans

The department has a history of a profound journey regarding result. It employs lecture method primarily. One of the primary constrain is that the department has no specific class room. It has no ICT class room. The students have to depend on the availability of computer set-up in the central library. Though, it enjoys mutual co-operation from the teachers as well as students. The department fosters a good opportunity for opening up Post Graduate Courses of study. It is because, many undergraduate students of the department belong to from interior places of the locality. If PG courses are started, then they can peruse their higher studies from home without taking the hassles of hostel accommodation.

Department of Sanskrit

1. Name of the department **Sanskrit**
2. Year of Establishment **1970**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Undergraduate Courses with Sanskrit

4. Names of Interdisciplinary courses and the departments/units involved:
 - **Generic Elective course is offered to students of Bengali, and Philosophy (1st and 2nd Semester) Honours Course wef 2016-2017.**

5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	B.A. Honours in Sanskrit	Till 2015	Annual
2	B. A. Honours in Sanskrit	From 2016	CBGS
3	B. A. Programme with Sanskrit	From 2016	CBGS

6. Participation of the department in the courses offered by other departments
 - **General Paper of Bengali, History and Political Science Honours Course**
 - **Discipline Specific Core Course Paper of all Arts departments wef 2016-17.**

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

8. Details of courses/programmes discontinued (if any) with reasons:
Nil

9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	00	Not applicable
Associate Professor	03 *	-
Assistant Professor		03

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Debamitra Dey	M. A., Ph.D.	Assistant Professor (HOD)	Indian Philosophy	10	-
Sudeshna Dey	M. A., M.Phil	Assistant Professor	Prakrit	02	-
Dr. Sudipta Bhakat	M. A., B.Ed., Ph.D.	Assistant Professor	Kavya	02	-
Kakali Ghosh	M. A., M.Phil	Part Time Faculty	Kavya	23	-
Gopa Mukherjee	M. A., B.Ed.	Part Time Faculty	Veda	23	-

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Sl. no	Name of Part time faculty	Course	Classes taken (out of total undergraduate classes allotted for the department)	
			Lectures (%)	Practical (%)
1	Kakali Ghosh	Undergraduate	10.93	NA
2	Gopa Mukherjee	Undergraduate	10.93	NA

13. Student -Teacher Ratio (Programme wise):

Sl. no	Course	Student-Teacher Ratio
1	B.A. Honours, Semester I	7 : 1
2	B.A. Programme, Semester I	3.2 : 1
3	B.A. Generic, Semester I	3: 1
4	B.A. 2 nd year (Hons)	14: 1
5	B.A. 2 nd year (General)	30.8: 1
6	B.A. 3 rd year, (Hons)	7.8: 1
7	B.A. 3 rd year (General)	18.4: 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **NIL**

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	02	02	01

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **Nil**

18. Research Centre /facility recognized by the University: **Nil**

19. Publications:

Sl. no	Publications of the faculty members	Total number
1	Research articles/Reviews	19
2	Books	03
3	Book Chapters in Edited Volumes	10
4	Conference Proceedings	-

Faculty Name	Publication						Citation	h index
	Books with ISBN/ ISSN	In Peer Reviewed Journal	Book Chapters/Articles in Edited Volume	Conference Proceeding	Monographs	Abstracts		
Dr. Debamitra Dey	03	07	08					
Sudeshna Dey	-	01						
Dr. Sudipta Bhakat	-	01	02					

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards....**None**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

All undergraduate students do a project on "Environmental Science" as the part of their course curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: **Nil**

23. Awards / Recognitions received by faculty and students: **Nil**

24. List of eminent academicians and scientists / visitors to the department: **Nil**

25. Seminars/ Conferences/Workshops organized & the source of funding: **Nil**

26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students admitted							Appeared in the year	No. of stud. appeared*	Pass %			
			Total	Category wise				Gender wise							
				Gen.	SC	ST	OBc	Male	Female						
Sanskrit Honours (Annual)	2011	900	80	57	18	05	00	17	63	2014	55	61.8			
	2012	314	80	57	18	05	00	22	58	2015	64	48.4			
	2013	---	53	45	06	02	00	10	43	2016	57	47.4			
	2014	90	33	23	06	02	02	02	31	Will Appear in 2017					
	2015	289	71	43	16	04	08	34	37	Will Appear in 2018					
Sanskrit Honours (CBCS)	2016	131	36	22	08	02	04	05	31	Will Appear in 2019					
Sanskrit Programme (CBCS)	2016		16	14	00	00	02	06	10	Will Appear in 2019					

*Includes UG candidates of the current session and reappeared candidates from previous years

#Admission Through Centralised Counselling by University of Burdwan

27. Diversity of Students (current students)

All students of the department are from same state (West Bengal)

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **NA**

29. Student progression

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	
PG to Ph.D	
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	-----
• Other than campus recruitment	-----
Entrepreneurship/Self-employment	---

30. Details of Infrastructural facilities

Library:

The department has a Seminar library with 285 books.

In Charge: Sudeshna Dey

Internet facilities for Staff & Students:

The Department does not involve internet and computer facilities separately. Faculty members can access internet facilities in the staff room, Principal's Office and Library. Students can access computers only in Central Library. Total 3 computers are available in the central library for public access.

Class rooms with ICT facility: **Nil**

Laboratories: **Nil**

31. Number of students receiving financial assistance from college, university, government or other agencies:

Following students are receiving financial assistance (Post Matric Scholarship) from different agencies:

Roll No.	Name	Year
14AH/50	Mandira Bagdi	3 RD
14AH/67	Riya Ray	3 RD
14AH/68	Mitali Bagdi	3 RD
14AH/70	Mampi Majhi	3 RD
15AH/70	Madanmohan Karamakar	2 ND
15AH/71	Puja Pramanik	2 ND
15AH/106	Krishna Ruidas	2 ND
15AH/107	Polly Biswas	2 ND
15AH/108	Soumen Biswas	2 ND
15AH/109	Rituparna Saha	2 ND
15AH/110	Puspa Bauri	2 ND
15AH/111	Tina Sow Mondal	2 ND
15AH/115	Amit Bauri	2 ND
15AH/117	Falguni Karmakar	2 ND
15AH/118	Riya Ruidas	2 ND
15AH/120	Kuheli Karmakar	2 ND

Roll No.	Name	Year
15AH/121	Ruma Garai	2 ND
15AH/122	Ruma Bauri	2 ND
15AH/129	Lipika Gorai	2 ND
15AH/130	Puja Gorai	2 ND
15AH/183	Surajit Ankura	2 ND
15AH/192	Poulami Biswas	2 ND
16AH/58	Pinki Ruidas	1 ST
16AH/61	Papia Bag	1 ST
16AH/62	Suparna Sikdar	1 ST
16AH/63	Anima Bauri	1 ST
16AH/64	Sangita Kaibartya	1 ST
16AH/65	Sweta Karmakar	1 ST
16AH/66	Priya Gorai	1 ST
16AH/67	Papiya Gorai	1 ST
16AH/71	Sharmila Majhi	1 ST

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: **NIL**

33. Teaching methods adopted to improve student learning

Sanskrit is a method-based language hence it needs some special techniques in case of teaching. Apart from that memorizing the text and oral form of teaching , learning and revising the techniques play an important part in it. Still we are planning to adopt technical equipments for teaching in future.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Name Of The Student	Roll No	Year	Extention Activities
Lipika Gorai	129	2015-16	NCC
Puja Gorai	130	2015-16	NCC

35. SWOC analysis of the department and Future plans

Strength:

- ❖ The department has experienced and qualified teachers to cater to the interests of the students.
- ❖ Special attention is given to the weak students and Tutorial along with Remedial classes is arranged for them.
- ❖ Besides the Seminar library, students can also use the rich resource of Central library which is furnished with rare as well as updated books and journals related to the various branches of Sanskrit studies.

Weaknesses :

- ❖ One of the major drawbacks that the students of the department suffer from is lack of proper skill in English language communication. It comes as a major impediment in the reading and understanding of some of the famous English critical appreciations of Sanskrit texts.
- ❖ Since one full time post is lying vacant at present, there is a paucity of teaching faculty specialized in *Vyakarana*.
- ❖ Limited scope in the service sector for the students of Sanskrit is gradually becoming a problem that may affect the number of enrolment in the future.
- ❖ The teaching of Sanskrit Language and Literature at the school level is severely neglected. Therefore, the background of the students who are choosing this subject for their higher studies, sometimes appear rather unsatisfactory.

Opportunities:

- ❖ Students have opportunities to pursue higher studies in different sectors related to this subject (such as musicology, archeological departments, iconography, inscription related works, manuscript logy, *ayurveda* and good life therapy, motivational speaking etc.)

Challenges

- ❖ Lack of knowledge and communication in English of our students.
- ❖ Secondly, the dependence on tuition and short- cut methods to achieve success in examinations are creating long-term effects in their careers.
- ❖ Sometime, the intense teaching learning process is deeply hampered by the socio-political scenario and other matters.

Future plans

- ❖ The department is planning to arrange National and State Level Seminars in the future. Along with these two, we are planning to arrange workshops on manuscript logy, practice of *devanagari* script and spoken Sanskrit for the benefit of the students.
- ❖ We are planning to enrich the departmental library with more text-books as well as reference books to enhance students' knowledge. Moreover we are going to subscribe some journals on a regular basis from renowned institutions such as *Sanskrit Sahitya Parishad* and Asiatic Society etc.
- ❖ Setting up of a language lab comprising books of subject related topics written in English for helping the students to improve their skill in both Sanskrit and English.
- ❖ We are interested to arrange our educational trips to our heritage places on a regular basis as this will help our students to know our tradition better.
- ❖ We have planned to invite reputed scholars to take classes regularly as their contribution will be for the benefit of our students.

Department of Zoology

1. Name of the department **Zoology**
2. Year of Establishment **1984**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Undergraduate Courses with Zoology

4. Names of Interdisciplinary courses and the departments/units involved
Generic Course paper for Honours subjects of different science honours courses wef academic session 2017-2018
5. Annual/ semester/choice based credit system (programme wise)

Sl. No.	Name of Programme	Year of Admission	System
1	B.Sc. Honours in Zoology	Till 2015	Annual
2	B.Sc. Honours in Zoology	From 2016	CBGS
3	B.Sc. Programme with Zoology	From 2016	CBGS

6. Participation of the department in the courses offered by other departments
 - **General Paper of Botany Honours Course**
 - **Discipline Specific Course of Programme for different science programmes wef academic session 2017-2018**

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

The post graduate Zoology unit of Netaji Subhash Open University (NSOU) started its journey since 2007 (Order no. 2080 dated 23.07.2007) with an intake capacity of 25 students. This unit of NSOU is run by the Department of Zoology, Durgapur Government College. Kuntal Bhattacharya (Assistant Professor, Department of Zoology, Durgapur Government College) is presently the Coordinator of this unit. Saturdays and Sundays are the main working days of the unit. Faculty members of this department are involved in teaching, invigilation and evaluation related duties of the unit.

8. Details of courses/programmes discontinued (if any) with reasons **Nil**

9. Number of teaching posts:

Number of Teaching posts	Sanctioned	Filled
Professor	-	-
Associate Professor	07 *	01 (Through CAS)
Assistant Professor		05

* Teachers are appointed as Assistant Professors in the West Bengal Educational Service (WBES) and promoted to Associate Professor through Career Advancement Scheme (CAS).

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Sudipta Das	M.Sc. PhD	Associate Professor	Fisheries	32	-
Somenath Dhali	M.Sc.	Assistant Professor	Entomology	10	-
Dr. Utpal Singha Roy	M.Sc. PhD	Assistant Professor	Ecology	6.5	-
Kuntal Bhattacharya	M.Sc.	Assistant Professor	Parasitology & Microbiology	1.5	-
Saumabha Chatterjee	M.Sc.	Assistant Professor	Molecular Biology and Genetics	1.5	-
Sumana Dutta	M.Sc.	Assistant Professor	Parasitology & Microbiology	1	-
Runa Das	M.Sc.	Part time faculty	Fishery	18	-
Dr. Alakananda Majumdar	M.Sc. PhD	Part time faculty	Entomology	16	-

11. List of senior visiting faculty

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Programme / Course	Theory (%)	Practical (%)
B. Sc. 1 st Year (Semester I and Semester II) [under KNU]*	18	19
B. Sc. 2 nd Year [under KNU]	23	21
B. Sc. 3 rd Year [under BU]	14	12

13. Student -Teacher Ratio (Programme wise)

Course	Programme	Student – Teacher Ratio (%) (based on enrolled students)
B. Sc. 1 st Year (Semester I and Semester II) [under KNU]	Honours	3.5:1
	Programme	3.5:1
B. Sc. 2 nd Year [under KNU]	Honours	4.5:1
	General	14:1
B. Sc. 3 rd Year [under BU]	Honours	4.5:1
	General	13:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Laboratory Assistant	2	0
Laboratory Bearer	1	1

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil./ PG.

Qualification	D.Sc.	D.Litt.	Ph.D.	M.Phil.	PG
Number of faculty	-	-	03	-	05

Please refer to the table mentioned in Q.-10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Name Of Faculty	Sanctioning Authority	Grants Sanctioned
Dr. Utpal Singha Roy	UGC Minor Research Project (No.F. PSW-013/14-15(ERO), dated: 03.02.2015)	Rs. 3,00,000/- Received : Rs. 2.35 lacs

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of faculty	Sanctioning authority	Grants Received	Status
Dr. Sudipta Das	UGC Minor Research Project (No.F. PSW 05/06-07 (ERO) dated 06.11.2006.	Rs. 95,000/-	Completed
Dr. Susanta Nath	UGC Minor Research Project No.F.PSW-044/01-02(ERO)dated 15.01.2002	Rs. 50,000/-	Completed
Dr. Sayeedur Rahaman	UGC Minor Research Project No.F.PSW-043/01-02 (ERO) dated 15.01.2002	Rs. 45,000/-	Completed

18. Research Centre /facility recognized by the University **Nil**

19. Publications:

Sl. no	Publications of the faculty members	Total number
1	Research articles/Reviews	63
2	Books	-
3	Book Chapters in Edited Volumes	02
4	Conference Proceedings	08
5	Abstracts	39

Faculty Name	Publication						Citation	h index	i10
	Books with ISBN/ ISSN	In Peer Reviewed Journal	Book Chapters / Articles in Edited Volume	Conference Proceeding	Monographs	Abstracts			
Dr. Sudipta Das	-	09	-	01		03			
Dr. Utpal Singha Roy	-	32	02	07		17	89	7	3
Kuntal Bhattacharya	-	13	-	-		14	130	7	7
Saumabha Chatterjee	-	03	-	-		00			
Sumana Dutta	-	04	-	-		05			
Runa Das	-	01	-	-		00			
Dr. Alakananda Majumdar	-	01	-	-		00			

20. Areas of consultancy and income generated

- Dr. Utpal Singha Roy, Assistant Professor of Zoology, delivered lectures as resource person at Serampore College, Hooghly Women's College, APC Roy Government College, and Lady Brabourne College, Kolkata on his research findings. Please Ref to Answer 3.1.10 of Chapter 3 for details.
- Faculty members of the Department are engaged in teaching and examination related duties of Netaji Subhash Open University.
- The remuneration (if any) received is shared personally by faculty members for these activities.

21. Faculty as members in - a) National committees, b) International Committees, c) Editorial Boards

Name	Committees / Boards
Dr. Sudipta Das	Member of "Institutional animal ethics committee of IQ city Medical College", Durgapur, Burdwan, West Bengal.
Kuntal Bhattacharya	Zoological Association of Burdwan.

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme

Zoology Honours students have to undertake a field-based study within the first two-year tenure of their degree course as the part of their course curriculum. They learn to define a problem and build up hypotheses; complete field observations/experimentation (not less than three months' field data) and also learn to present the data in a scientific manner to discuss the results and arrive at a possible conclusion. A separate brief write-up stating the title of the work, introduction, methodology, results, discussion, conclusion, acknowledgements and references is submitted at the time of examination of XIth Paper.

Apart from this all undergraduate students submit a project on "Environmental Science" as a part of their course curriculum.

- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies **NIL**

23. Awards / Recognitions received by faculty and students

Dr. Sudipta Das

- First Class 2nd in B.Sc. (Hons.) Exam. 1978
- National Scholarship for two years during M.Sc. course

Somenath Dhal

- Bishnu Indira Joshi Award 2005

Kuntal Bhattacharya

- University Gold Medal in 2012
- Bhakti-Gouri Bronze Medal in 2012
- DST-INSPIRE Fellowship
- 'Outstanding Paper Award' in the 1st Regional Science & Technology Congress-2016 at Bankura Christian College, Bankura on 7-8 Nov, 2016 by DST-Government of West Bengal for best oral paper presentation.
- "Best oral Presentation" award among the young scientists in "National Conference on Advances of Life Sciences and Radiation Biology" held on 17-18th February at the Department of Zoology, The University of Burdwan.

Sumana Dutta

- University Gold Medal in 2010
- Bhakti-Gouri Bronze Medal in 2010

24. List of eminent academicians and scientists / visitors to the department

NIL

25. Seminars/ Conferences/Workshops organized & the source of funding **NIL**

26. Student profile programme/course wise:

Name of the Course / programme	Year of Admission	Number of Applicants	Number of students admitted							Appeared in the year	No. of stud. appeared*	Pass %			
			Total	Category wise				Gender wise							
				Gen.	SC	ST	OBC	Male	Female						
Zoology Honours (Annual)	2011	400	41	28	10	03	00	13	28	2014	12	58.3			
	2012	114	42	29	10	03	01	12	10	2015	19	57.9			
	2013	--#	20	17	02	01	00	05	15	2016	20	30.0			
	2014	399	35	26	08	00	01	09	26	Will Appear in 2017					
	2015	619	14	08	05	01	00	06	08	Will Appear in 2018					
Zoology Honours (CBCS)	2016	485	26	16	05	02	03	12	14	Will Appear in 2019					
Zoology Programme (CBCS)	2016		27	16	05	02	04	12	15	Will Appear in 2019					

*Includes candidates of 2011-12 session and reappeared candidates from previous years

#Admission Through Centralised Counselling by University of Burdwan

27. Diversity of Students (current students)
All students of the department are from same state (West Bengal)
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **Nil**
29. Student progression

Student progression	Against % enrolled
UG to PG	24%
PG to M.Phil.	NA
PG to Ph.D	NA
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	----
• Other than campus recruitment	10%
• Entrepreneurship/Self-employment	5%

30. Details of Infrastructural facilities

Library:

The department is facilitated with one Seminar Library comprising of 511 books. In Charge: Saumabha Chatterjee

Internet facilities for Staff & Students: The department offers Internet facility to the teachers and occasionally to students with one user port.

Class rooms with ICT facility: 01 on shared basis.

Laboratories: The department has two laboratories for conducting practical classes.

31. Number of students receiving financial assistance from college, university, government or other agencies. **Nil**
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Name and affiliation of the resource person	Topic	Date	Organized by
. Amit Kumar Dey; Research Biologist, BNHS	Vulture Conservation	25.01.2017	P.G. Department of Conservation Biology and Department of Zoology, Durgapur Government College

Name and affiliation of the resource person	Topic	Date	Organized by
Sagar Adhurya; Research Scholar, Visva Bharati University	Bird diversity study	15.02.2017	Department of Zoology & Botany along with P.G. Department of Conservation Biology and Durgapur Government College, under the program "Know your campus"
Dr. Subhamoy Changder, Assistant Professor, Department of Computer Science and Engineering, NIT, Durgapur	Documentation of wildlife through photography	15.02.2017	Department of Zoology & Botany along with P.G. Department of Conservation Biology and Durgapur Government College, under the program "Know your campus"

33. Teaching methods adopted to improve student learning

Overhead and power point presentations are used as teaching aids. Moreover, field trips are organized as per curriculum where the students get an in depth understanding of all the aspects of biodiversity and nature.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Nil**

35. SWOC analysis of the department and Future plans

STRENGTH

- The Department is presently poised nicely with a perfect blend of experienced and young faculty members.
- Student friendly atmosphere.
- Collection of common as well as rare specimens.
- Modern teaching aids like overhead projector, LCD projectors.

WEAKNESS

- Paucity of space both for theory and practical classes.
- Inadequacy of trained laboratory assistant and non-teaching staffs.
- Research facilities are at rudimentary stages.
- Campus selection for employment are not available.

OPPORTUNITY

- The campus harbours handsome biodiversity which can be utilized for research work.
- Collaboration with PG Department of Conservation Biology are beneficial both for students and teachers.

CHALLENGES

- To make students conscientious of the garbage and waste disposal by students within the large College campus.
- Coping with the old and new systems of curriculum simultaneously.
- To cultivate research aptitude among UG students.
- Courses with job opportunities has yet to be introduced in the academics.
- Transfer of service of teachers in mid-session of Academic calendar.

FUTURE PLANS

- i) To develop interdisciplinary add on courses.
- ii) To intensify research activity in the department.

POST ACCREDITATION **INITIATIVES**

POST ACCREDITATION INITIATIVE

Durgapur government College has attempted to address the areas pointed out by the NAAC Peer Team during the 1st cycle of accreditation in 2007. Following are the actions taken in response to the recommendations of NAAC Peer Team during the 1st cycle of accreditation:

1. Formation of Internal Quality Assurance Cell (IQAC): IQAC of the institution was formed according to the guidelines in 2007 after the NAAC peer team visit.

2. Use of computer-aided methods for teaching and learning:

- Computer Lab has been set up on the first floor of the main academic building
- Faculty members of different departments use powerpoint presentations to demonstrate topics during the lectures
- Initiative has been taken by Department of Geology to introduce e-learning by A-View software
- The institution has developed networking facilities through LAN connectivity throughout the campus. Wi-Fi facility is available in some departments
- Faculty members of Department of Chemistry use special softwares to guide term paper projects in the post-graduate course
- E-books have been provided to the central library by faculty members
- Provision has been made for 02 virtual classrooms

3. Parents-Teacher meetings

Parents-Teacher meetings are organized by different departments. Problems faced by students to cope with studies, expectations from the college, attendance of the students, behaviour of students and performance of students in different examinations are some of the issues addressed in these meetings

Suggestions from parents/ guardians or any other related issues are given careful attention

4. Introduction of new courses

- The Conservation Biology course established in 2007 got recognition as a 'Department' with the appointment of a full-time faculty. The department is the only one of its kind not only in West Bengal but also in Eastern India
- Institution has applied for approval to introduce Honours course in Physical Education

- UGC-Career Oriented Programme "Certificate Course in Corporate Communication" under the UGC-COP Scheme of the 11th. Plan was run by Department of English from 2007 to 2011
- Institution has applied for approval to introduce certificate courses in Communicative English, Basic and advanced training in computer, Pottery, Animation and Tourism
- Institution is contemplating opening a Women's Study Centre in the college

5. Improvement in career counselling and placement of students

- Entrepreneurship Development Cell of Durgapur Govt. College established and run in collaboration with National Entrepreneurship Network (NEN) – a non-profit organization under the Wadhwani Foundation, Mumbai from 2008 to 2011
- Institution has formed Counselling and Career Guidance and placement Unit. This unit organizes orientation course, special lectures from experts of different fields and organizes job interview for students

6. Computerization of Office and Library

- COSA and HRMS softwares have been introduced
- The admission process is online
- Data entry for Kanyashree scholarship, filling up forms for examinations and other related workks have been computerized
- Initiative was taken by the librarian to install KOHA software and provide training to faculty members and library staff by expert. However, the process is yet incomplete due to lack of funds. The institution has applied to the Government of West Bengal to allocate funds for the digitalization of Library

7. Increasing working space in the main academic building

Previously, Principals' Office was situated in the main academic building. It has been shifted now to the administrative building to provide more working space in the main academic building.

8. Increasing exposure of students to the external academic community

The institution has organized seminars, conference and workshop in the campus. Special lectures are organized by different departments by external experts to increase the exposure of students to eminent academicians and scientists

9. Identification and Preservation of the natural resources present in the college campus

The institution has formed a committee "KNOW YOUR CAMPUS" which involves active participation of faculty members and students from different departments to identify and preserve the natural resources present in the huge campus

CERTIFICATE OF DECLARATION



Government of West Bengal
OFFICE OF THE PRINCIPAL
DURGAPUR GOVERNMENT COLLEGE
J.N. AVENUE, Durgapur, BURDWAN, WEST BENGAL, INDIA
Phone & Fax: + 91-0343-2500534
Email: dpgovtcollege@gmail.com

Declaration by the Head of the Institution

I certify that the data provided in this Self-Study Report (SSR) are true to the best of my knowledge and belief.

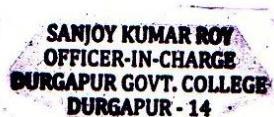
The SSR has been prepared after thorough internal discussions and no part of the SSR has been outsourced.

I am also aware that the Peer team will validate the information furnished in the SSR during its visit.

Date:20/02/2017

Principal/Head of the Institution

Place:Durgapur



Annexure I

Copy of 2(f) Certificate

Copy of supporting document for recognition u/s 12(B)

UNIVERSITY GRANTS COMMISSION
 BAHADUR SHAH ZAFAR MARG
 NEW DELHI.

No.F.13-2/71(CD)

Dated 7 May, 1971.

To
 The Registrar,
 University of Burdwan,
 Burdwan.

Sub:- List of colleges prepared under
 Section 2(f) of the UGC Act, 1956 -
 inclusion of new colleges in the

Sir,

I am directed to refer to your letter No.F.IV-2/
 53/111947th April, 1971 on the above subject and to say
 that the following college has been included in the
 above list :-

1. Durgapur Govt. College, Durgapur-10,
 Dt. Burdwan.

Yours faithfully,

Sd/- Inder Lal,
 for Secretary.

Dr. Deb Kumar Panja
REGISTRAR



The University of Burdwan
RAJBATI, BURDWAN – 713104
WEST BENGAL, INDIA

No.F.IV-2(XI)/323/33/43

Dated : 26.6.2016

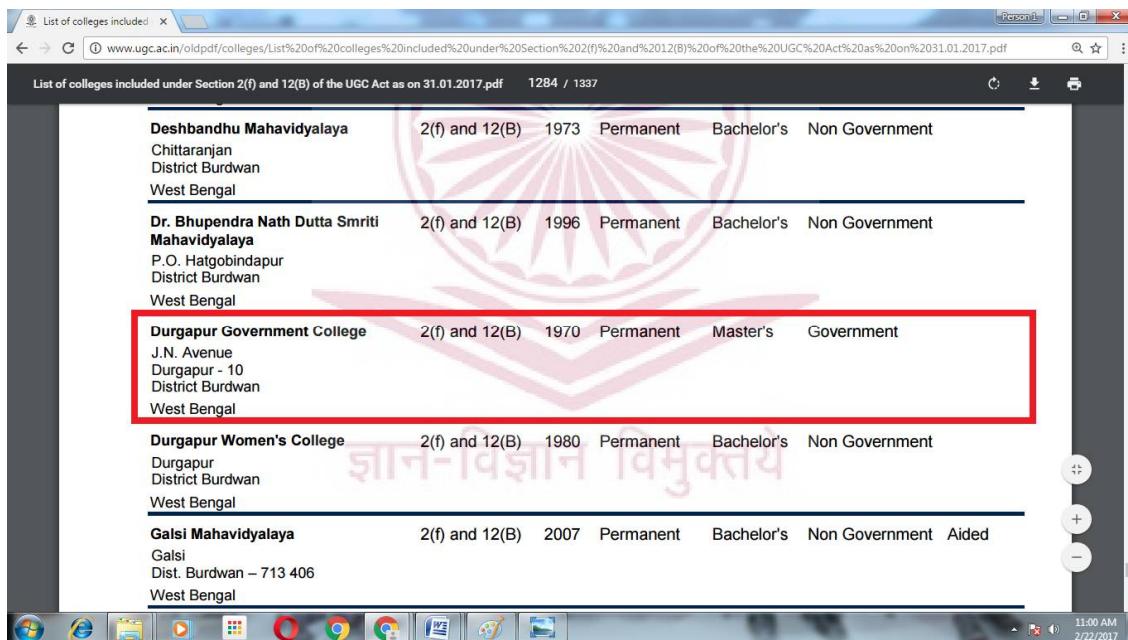
TO WHOM IT MAY CONCERN

This is to certify that Durgapur Government College, P.O. Durgapur, Dist. Burdwan, PIN -713 214 (W.B.) established in the year 1970, is affiliated to the University of Burdwan and the said college is included under Section 2(f) & 12(B) of the UGC Act, as entered in Sl. No. 616 vide D.O. No. F.2-6/2002(X Plan) dated 08.1.2003.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'Deb Kumar Panja', positioned above the word 'REGISTRAR'.

UGC website, www.ugc.ac.in, list of colleges included under Section 2(f) and 12(b) of the UGC Act as on 31/12/2016 pp1284/1337



List of colleges included under Section 2(f) and 12(B) of the UGC Act as on 31.01.2017.pdf						1284 / 1337
Deshbandhu Mahavidyalaya	2(f) and 12(B)	1973	Permanent	Bachelor's	Non Government	
Chittaranjan						
District Burdwan						
West Bengal						
Dr. Bhupendra Nath Dutta Smriti Mahavidyalaya	2(f) and 12(B)	1996	Permanent	Bachelor's	Non Government	
P.O. Hatgobindapur						
District Burdwan						
West Bengal						
Durgapur Government College	2(f) and 12(B)	1970	Permanent	Master's	Government	
J.N. Avenue						
Durgapur - 10						
District Burdwan						
West Bengal						
Durgapur Women's College	2(f) and 12(B)	1980	Permanent	Bachelor's	Non Government	
Durgapur						
District Burdwan						
West Bengal						
Galsi Mahavidyalaya	2(f) and 12(B)	2007	Permanent	Bachelor's	Non Government	Aided
Galsi						
Dist. Burdwan – 713 406						
West Bengal						

Burdwan University, Burdwan

Name and address of the college	Status	Year of Estb.	Nature of Affiliation	Teaching Upto	Govt or Non Govt	Aided or Unaided
Chandrapur College Chandrapur District Burdwan West Bengal	2(f) and 12(B)	1985	Permanent	Bachelor's	Non Government	
Chatra Ramai Pandit Mahavidyalaya Darapur, Dist. Bankuwa - 722 141 West Bengal	2(f) and 12(B)	2000	Permanent	Bachelor's	Non Government	
College of Art & Design Srijani Art Complex, Krishnasayer Eco Garden, Mahatab Road, Burdwan – 713 104 West Bengal	2(f) and 12(B)	2004	Permanent	Master's	Non Government	
Deshbandhu Mahavidyalaya Chittaranjan District Burdwan West Bengal	2(f) and 12(B)	1973	Permanent	Bachelor's	Non Government	
Dr. Bhupendra Nath Dutta Smriti Mahavidyalaya P.O. Hatgobindapur District Burdwan West Bengal	2(f) and 12(B)	1996	Permanent	Bachelor's	Non Government	
Durgapur Government College J.N. Avenue Durgapur - 10 District Burdwan West Bengal	2(f) and 12(B)	1970	Permanent	Master's	Government	
Durgapur Women's College Durgapur District Burdwan West Bengal	2(f) and 12(B)	1980	Permanent	Bachelor's	Non Government	
Galsi Mahavidyalaya Galsi Dist. Burdwan – 713 406 West Bengal	2(f) and 12(B)	2007	Permanent	Bachelor's	Non Government	Aided
Gour Mohan Roy College Manteswar District Burdwan West Bengal	2(f) and 12(B)	1986	Permanent	Bachelor's	Non Government	
Government College of Education P.O. Lukrdi Burdwan District Burdwan West Bengal	2(f) and 12(B)	1964	Permanent	Bachelor's	Government	

As on 31.01.2017

CPP-I/C

Page 1284 of 1336

Annexure II

Copy of Accreditation Cycle I Certificate 2007



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the*

Durgapur Government College

Durgapur, Dist. Burdwan

affiliated to University of Burdwan, West Bengal as

Accredited

at the B^{++} level.

Date : March 31, 2007



*_____
K. N. Rao
Director*

- This certification is valid for a period of Five years with effect from March 31, 2007
- An institutional score (%) in the range of 55-60 denotes C grade, 60-65- C' grade, 65-70- C'' grade, 70-75- B grade, 75-80- B' grade, 80-85- B'' grade, 85-90- A grade, 90-95- A' grade, 95-100- A'' grade (upper limits exclusive)

March 31, 2007/244