

SELF STUDY REPORT FOR CYCLE II ACCREDITATION 2017 OF

HALDIA GOVERNMENT COLLEGE

Debhog, Haldia, Purba Medinipur 721657, West Bengal, India
(Established: 1988)



Submitted to

National Assessment and Accreditation Council (NAAC)

P.O. Box No. 1075
Nagarabhavi
Bangalore 560072

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NAAC CYCLE I ACCREDITATION (2007): “B” GRADE (CGPA:71.20)

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An Autonomous Institution of the University Grants Commission

P.O. Box No 1075

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Bangalore - 560072



GOVERNMENT OF WEST BENGAL

Office of the Principal

HALDIA GOVT. COLLEGE

P.O.- DEBHOG, DIST.- PURBA MEDINIPUR, PIN - 721657

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E-mail : hgchaldia@gmail.com

Website : www.haldiagovtcollege.org.in

Memo / Ref. No. 167/HGC/17

Dated. 24.03.2017

From :- The Principal, Haldia Govt. College
Purba Medinipur

To :

To
The Director
National Assessment and Accreditation Council (NAAC)
P.O. Box No 1075
Nagarbhavi
Bangalore-560072
India

Sub: Uploading of the Self Study Report of Haldia Government College for the Second Cycle
of NAAC accreditation in the institutional website.

Sir,

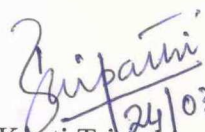
In compliance with the requirement of Letter of Intent (LoI) sent from our end, we are
uploading the Self Study Report (SSR) of our college for the Second Cycle NAAC
accreditation of Haldia Government College in the institutional website
(www.haldiagovtcollege.org.in).

The hard copies of the SSR will reach you within the stipulated time.

This is for your kind information and necessary action.

With regards,

Yours faithfully,


Dr. Pijush Kanti Tripathi

Officer-in-Charge

Haldia Government College

Officer-in-charge

Haldia Govt. College

P.O. - Debhog, Haldia

Dist. - Purba Medinipur, W.B.



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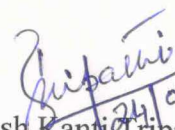
Certificate of Compliance

This is to certify that **HALDIA GOVERNMENT COLLEGE** fulfils all norms

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

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

In case the undertaking submitted by the institution is found to be false, then the accreditation is 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.


Dr. Pijush Kanti Tripathi

Officer-in-Charge

Haldia Government College
Officer-in-charge

Haldia Govt. College

P.O. - Debhog, Haldia

Dist. - Purba Medinipur, W.B.

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SECTION A

PREFACE

Haldia Government College, situated just a couple of kilometers away from the Hooghly River, in Haldia, Debhog, Purba Medinipur, is affiliated to Vidyasagar University. We have prepared this Self Study Report with great hope following the guidelines of National Assessment and Accreditation Council. We have striven to be sincere and honest to the best of our knowledge and capabilities.

As an institute, dedicated to excellence and to provide our students with exceptional learning facilities, we have learnt a lot about our positives and negatives, our strengths and limitations, and a lot of other academic and cocurricular aspects while preparing this report. We have also become more aware of the changing scenario of education in the national and global spheres. Identifying the negatives has not been disheartening, instead, the process has enlightened and inspired us to rectify them and do better in the days to come. We believe that improvement is a continuous process and needs to be cautiously monitored. Only then can progress be achieved. We have realized that we have some constraints but we have also learnt how to make the best use of our resources even while working within the acknowledged limitations. However, we have highlighted our achievements and we do feel proud of our strengths.

Set up in 1988, the college boasts of being a sought after institution amongst the students of the region. There are more than 40 full time faculty members in the college, recruited through Public Service Commission, West Bengal. Out of total faculty members 17 members have Ph.D., 05 members have M.Phil. (who are also persuing Ph.D.) and remaining other members are persuing Ph.D. degree also. We are also proud of our extremely experienced and highly qualified Part time Teachers and Non-teaching staffs. Including the students of two Post Graduate departments and the self financed Tourism and Travel Management Course, the student strength of this college is around 2200. Many of our undergraduate students are extremely meritorious and pursue higher education at the University level and other higher education institute with national reput like IIT.

As one of the most esteemed institutions in the region, we strive to provide the best education to our students. The students do not form a homogenous group. There are differences amongst them in terms of class, religion, and financial backgrounds. The urban, semi-urban, and rural divisions also exist. As an educational institute, it has been our endeavor to rise above the differences and create an environment where all can prosper. The Institute, however, does take care of the economically weak students by assisting them financially. One of the major challenges that we are facing as an institute catering to the needs of many financially challenged students as well as those from the rural areas, is motivating them for

higher studies. We do our best to engage the students in extracurricular and social activities as well in order to turn them into more responsible citizens with zeal to do something for the society and nation at large.

Before concluding, we must convey our heartfelt gratitude to all the faculty members, non-teaching staff, and the student body for their contribution, help, and support in the preparation of this report.

We must also thank the NAAC peer team that visited us earlier and whose report paved for us the way to improve ourselves and grow as an institution.

By submitting this Self Study Report we hope that it would speak of our endeavours and the feedback would help us to obtain further precision. We do understand that a lot remain to be done in the coming years.

We heartily welcome the team and look forward to their visit.

Dr. Pijush Kanti Tripathi

Officer-in-Charge

Haldia Government College

SECTION-B

EXECUTIVE SUMMARY & SWOC ANALYSIS

CRITERION I: CURRICULAR ASPECTS

Haldia Government College was established on 20th November, 1988. The college is situated in the port city of Haldia and enjoys a unique position in catering to the requirements of a mixed population of urban and rural students. It is the only government college in Haldia and thereby occupies a pivotal position on the academic arena. It has more than forty full time faculty members and around two thousand students.

The college is affiliated to Vidyasagar University, West Bengal. It provides education at the undergraduate level in eleven subjects and two at the postgraduate level. The college also offers a self finance vocational course at undergraduate level. It boasts of rich tradition of cultural, social and intellectual progress.

The vision of the college is to provide excellent education to young minds enabling them to become responsible citizens of the country and to equip them with the requisite skills to make them proper human resource and enable them to sustain in better way.

- ❖ The college follows the curriculum framed by Vidyasagar University and does not enjoy the freedom of autonomy. Besides Humanities and Science, the college offers a self financing career oriented programme in Tourism and Travel Management.
- ❖ Under the aegis of Netaji Subhas Open University classes are held in various undergraduate and postgraduate subjects.
- ❖ Post graduate courses in Bengali, Chemistry and Geography are also offered under Directorate of Distance Education, Vidyasagar University.
- ❖ Teachers of the college are extremely competent and dedicated and are capable of offering the best possible guidance to their students. Most of them are actively involved in research work of the highest order.
- ❖ ICT based teaching is practiced in regular way. Film shows are held by the Humanities departments for the benefit of students.
- ❖ Students are encouraged to participate in seminars, debates, workshops and also in cultural activities.
- ❖ All departments organise seminars, invited lectures and workshops on various issues of academic and social relevance. Parents-Teachers meetings are regularly held to discuss and monitor the performance of students.
- ❖ Meetings with the Governing Body and stakeholders are held to inform them about college matters and decisions and their valuable suggestions are taken note of.
- ❖ The NSS units of the college regularly hold blood donation camps, provide services to the rural population and programmes on medical awareness.

- ❖ NCC units of the college organizes classes and community benefited programmes regularly.
- ❖ Freshers' Welcome and the Annual College Social are held.
- ❖ The college has an efficient Career Counselling Cell and regular placement programmes are held for last few years.
- ❖ Various members of the faculty interact with the University as members of Board of Studies and implement new ideas and plans to benefit the students.
- ❖ They also participate in workshops and seminars organised by the University and other Research bodies.

CRITERION II: TEACHING - LEARNING AND EVALUATION

The college is aware of the fact that Teaching-learning and Evaluation are the most important steps for any educational institution. Following are the major highlights of our Teaching-learning and Evaluation criterion:

- ❖ The college ensures wide publicity as far as possible for its admission procedure both in Undergraduate and Postgraduate courses. Transparency is ensured by the introduction of online admissions since 2013 – 14, the entire admission process is done through online system.
- ❖ Merit is the sole criterion for admission. However, as per government norms seats are reserved for SC, ST, OBC (both A and B Category) and differently-abled students.
- ❖ The institution maintains a strict vigil on the admission process and conducts regular supervision on all its aspects round the year. Student Profiles are reviewed by the departments and duly communicated to the Admission Committee for counselling.
- ❖ The Institution strictly follows all Government rules and regulations regarding admission of the differently abled students. They are given special guidance and counselling by the teachers of the respective departments to arouse their self -confidence.
- ❖ To bridge the knowledge gap of the students various strategies are taken by the institution. Slow learners are identified to be attended specially. Personalised interaction with the teachers helps the students to eliminate their weak points as well as to nurture their hidden quality through participation in seminars, workshops etc.
- ❖ The college has adopted a variety of measures to sensitize its students and staff on issues like gender, inclusion, environment etc.
- ❖ The institution also identifies the special learning and educational needs of the advanced learners on the basis of feedback of the teachers concerned.
- ❖ The college plans and organizes teaching, learning and evaluation schedules in a number of ways like preparation of academic calendars, curriculum Plan, conduct of internal assessments, class tests, project evaluations and end-semester examinations for PG courses.

- ❖ Special care is given to the weaker students in the remedial and tutorial classes. Advanced students are encouraged to pursue their goals and given assistance by the teachers according to their needs.
- ❖ The IQAC monitors all academic activities of the college relating to all stakeholders (students, teachers, research scholars and other staff). Its constant vigil is on total quality management within the institution.
- ❖ Learning is made learner-centric through a variety of ways like individual attention from teachers, student-seminars, cultural competitions etc. as well as the activities of a number of bodies under the Teachers' Council like Counselling and Placement Cell, Gender Sensitization Committee Against Sexual Harassment, Anti-ragging subcommittee etc.
- ❖ Critical thinking, creativity and scientific temper are nurtured actively in and outside classrooms. The teachers' attitude towards students contributes a lot to this. Exposure to scholars and educationists from other institutions as well as holding of different awareness programmes are other important factors.
- ❖ The library and the laboratories of the college are constantly augmented through different grants for the benefit of the teaching-learning process. The college library is a subscriber of INFLIBNET NLIST database. It has also initiated necessary steps for automation of the library through KOHA software.
- ❖ Proper completion of curriculum within due time is always the foremost priority of the institution. Whatever challenges might present themselves, this priority never takes a backseat for Haldia Government College.
- ❖ The Principal monitors the functioning of the departments by regularly checking the teachers' Daily Self Appraisals and conferring with HoDs on pertinent matters. Regular Parent-Teacher meetings are also conducted to apprise the guardians about the academic affairs of the college and the progress of their wards.
- ❖ The College also informs and involves the Students' Union and the Alumni to muster support to ensure optimum results from Teaching-Learning.
- ❖ Being a government college, the institution doesn't enjoy any autonomy in the recruitment and retention of the permanent teachers. These teachers are appointed by the Higher Education Department, Government of West Bengal as per the recommendation of Public Service Commission, West Bengal. The permanent full-time teachers are also transferred to different government colleges within the state as per the government orders issued by the Higher Education Department from time to time.
- ❖ Out of a total of 44 permanent teachers in the college 17 have Ph.D. as their highest qualification and 5 teachers have M.Phil. as their highest qualification. 22 have M.A. / M.Sc. as their highest qualification. Almost all the teachers either NET or SET qualified. The teachers are encouraged to participate in Orientation Programmes, Refresher Courses, Summer/Winter Schools etc.

- ❖ Faculties across different disciplines are invited as resource persons in workshops /seminars/conferences organized by external professional agencies. Further the participate in external workshops/seminars/conferences recognized by national/international professional bodies. They also present papers in workshops / seminars / conferences conducted or recognized by professional agencies.
- ❖ The college has introduced student-feedback system (from the outgoing B.A. / B.Sc. 3rd year Honours and M.A./M.Sc. fourth semester students) to evaluate the teachers.
- ❖ As per the guidelines of the University, the College has adopted the 1+1+1 method of evaluation for the undergraduate course, instead of the earlier 2+1 method. At the Postgraduate level, the departments operate through a semester system (4 semesters over a 2-year time span).
- ❖ The institution ensures rigor and transparency in the internal assessment and weightings assigned for the overall development of students through a number of modalities.
- ❖ The main graduate attribute of this institution is to impart quality based higher education with an aim to acquire knowledge and develop critical thinking among the students. The questioning spirit and the urge to form original opinions are also at the top of the list of priorities.
- ❖ The college has clearly stated learning outcomes and clearly defined strategies for all the academic and co-curricular activities carried out every year.
- ❖ The institution monitors and ensures the achievement of learning outcomes through a number of ways which include university and college examination results, seminar presentations, project works, inter and intra college competitions in academic and co-curricular activities.
- ❖ It studies the performance of students through departmental teachers, organizing various seminars, workshops and special lectures, assessing formal and informal feedbacks from different stakeholders and giving special attention to PG students for preparations in NET/SET/GATE examinations etc. The institution and individual teachers use assessment/ evaluation outcomes as well as student feedback as an indicator for evaluating student-performance, achievement of learning objectives and planning.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

- ❖ In accordance with UGC guidelines, a separate ‘Research Project Subcommittee’ operates in the college.
- ❖ Teachers with Ph.D. degree are encouraged to pursue active research in their respective areas. These are very often in collaboration with other departments and other institutes.
- ❖ The Research Project Subcommittee has proposed to conduct more inter-disciplinary interactions through collaborative seminars and conferences. These types of inter-

department or inter-institute seminars have been organized by both arts and science departments.

- ❖ Many eminent Scientists/academicians from IIT/IISc/IISER/CSIR-institutes/universities have visited different academic departments of this college during seminars/conferences, delivered special lectures and interacted with students.
- ❖ During the period 2011-2016, about 17 faculty members of this college have been granted UGC-Minor research projects, some have been completed and some projects are ongoing. Dr. Shubhankar Samanta has been awarded DST-Fast track project of Rs. 24.6 lac (June 2014-May 2017; he has been transferred to Bidhannagar College on Feb'2016)
- ❖ Many high end sophisticated instruments like Fluoremeter, UV-VIS spectrophotometer, Rotary Evaporator, Cold water circulator, UV Chamber etc (Dept. of Chemistry); Planck's constant set up, Band Gap set up, Electromagnet, e/m set up by Thompson's method, Prism Setup, Cathode Ray Oscilloscope etc. (Dept. of Physics); Anthropometer, Sliding Calliper, Spreading Calliper, Pelvimeter, Cubic craniphore, Human Skeleton (5 in number), Human Skull (15 in number) , different types of rocks, prehistoric stone tools, different type of cast material etc. (Dept. of Anthropology); Global Positioning system, Prismatic compass, Barometer, Soil testing kit, Clinometer etc. (Dept. of Geography) are available for teaching and research.
- ❖ These instruments are very useful for project based research purpose. Faculty members from other colleges and institutions also use these instruments for their research purpose. Several international research publications have been achieved from this institution (RSC Advances, 2014, 4, 2474-2481; Synthetic Communication. 2015, 45, 625-634; Tetrahedron Letters 2014, 55, 6411– 6415)
- ❖ Some faculty members of this college have post-doctoral research experience in India and abroad, some have working experience in industry and this helps the students in their career counselling.
- ❖ The faculty members of postgraduate departments often arrange special classes for NET/GATE examinations.
- ❖ The College provides major infrastructural facilities like library, laboratory, computer and internet facilities to pursue research activities.
- ❖ The regular Postgraduate courses in Chemistry and Geography incorporate Industry Visits, Field work and individual project work for their M.Sc. students, which lay the foundation for research activity among the students.
- ❖ Availability of more than 50,000 books (including old & rare books) in the library and about 35 Journal titles and INFLIBNET (access to online journals) across many fields provide the students the opportunity of having a treasure of knowledge.

- ❖ Recently the main academic building of the college has been connected with Wi-Fi network.
- ❖ Many faculty members of different academic departments are also actively engaged in collaborative research programme with many leading institutions/organization.
- ❖ During the period 2011-2016, the total number of publications by faculty members (serving this College) and students comprising papers published in peer and non-peer reviewed journals, monographs, chapter in books and books with or without ISSN/ISBN No. is about 120.
- ❖ The NSS wing of the college started functioning in 2011 and has been an active body ever since. The College has also organized workshops to promote awareness among the students regarding Thalassemia and performed blood screening.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

Haldia Govt. College believes in the successful combination of the traditional and modern. In course of time, the college has augmented its infrastructure and has embraced with open hands the modern technologies for upgradation of the learning resources. The following are the major highlights in this criterion related to infrastructure and learning resources:

- ❖ Haldia Govt. College is housed in a sprawling campus area of 19.44 acre with 12 academic Departments where, 07 science and 04 humanities and one self-financed vocational course/subject (TTM).
- ❖ The Officer-in-Charge works closely with administrative team comprising Co-ordinator IQAC, and Head of the Departments to offer effective leadership by setting values and participative decision-making process in co-ordinating the academic and administrative planning and implementation. The institution adopts quality management strategies in all academic and administrative aspects.
- ❖ Several annex buildings are allotted for Principal's quarter, Teachers' hostel, Boys' hostel, Girls' Hostel, staff quarters, and students' canteen.
- ❖ Infrastructural spaces are allotted to or other arrangements are made for different cells like IQAC, Exam Cell, Grievance Redressal Unit, Health Care Centre etc.
- ❖ The college library offers a rich collection of books. It houses many rare and out-of-print books and INFLIBNET facility has just been introduced. This Central Library is the nerve centre of learning at college
- ❖ The college offers connectivity of internet through ICT programme. There are laptops and desktop computers in the college and the number is ever increasing. These computers are constantly upgraded with latest versions. Some of the classrooms have been upgraded into smart classrooms. The access of internet is provided to all departments,

administrative office, library through broadband network and Wi-Fi service has just been introduced in the whole college. This has improved the network and communication across the campus as it has given reliable and fast connectivity.

- ❖ The college is well equipped with several laboratories with modern state of the art equipment in the science departments, computer and internet facility.
- ❖ Introduction of CCTV surveillance in the college campus.
- ❖ Career Counselling and Placement Cell are working together to promote students to think and plan their career. Our students have succeeded in getting jobs in State Administrative Services, Banking Services, Police and Defence, Schools, Colleges and Judiciary etc.
- ❖ Youth Festival and Social Gathering are organised every year to provide platform to talented students to gain confidence by performance.

The college has a website of its own www.haldiagovtcollege.org.in. The website is updated regularly. On-line admission process is conducted through this website.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

The College comprises students from diverse geographical, lingual, cultural and economical backgrounds. Supporting students for overall development is the basic need of the day. Further, the students should be skilled, technologies enabled and have wisdom of harmonizing values and realities to survive and progress in this mundane world. This College bears with this mission and strives to achieve it sincerely and provides very good infrastructural and academic facilities to all its students. The major points in this regard are enumerated below:

- ❖ The College publishes an annual Academic Calendar consisting of detailed information regarding College activities.
- ❖ The college publishes a prospectus every year which is issued to the students seeking admission to the college. The prospectus contains extensive information about the college and its curriculum.
- ❖ Students are financially reinforced for their study from college, State Govt., Central Govt. and other agencies such half free and full free on students fees by college, SC/ST scholarship, bidi shramik stipend, Kanyashree Prakalpa, minorities scholarship, Merit-cum-Means Scholarship etc.
- ❖ Students belonging to the SC/ST/OBC and economically weaker sections of the society are taken care of by the college beginning from admission into the college according to college, university and UGC reservation' rules & regulations.
- ❖ The college provides a healthy environment to the students through several welfare means such as cheap canteen, Grievance Redressal Cell, Career Counselling Cell and a fully functional Students' Section in the college office.
- ❖ The college has an active Anti-ragging Cell and an Anti-Ragging Squad to take prompt action in case of any untoward incidents on college premises.

- ❖ As a Co-educational institute, our college has constituted a committee on Gender sensitization and prevention of sexual harassment, although not a single case has been formally reported so far.
- ❖ Effective safety & security measures available in the college and in the boy's and girl's hostel for students and college assets.
- ❖ For medical assistance to students the Institution has its own arrangement for providing First Aid facility. In case of emergency, the institution opts for other medical facilities provided by the nearby medical centers.
- ❖ Awareness programmes such as rallies and seminars are organized by the institution to generate awareness among the students and teachers about fatal diseases like AIDS, Thalassemia, Dengue etc. on a regular basis by NSS unit. NSS unit of the college arranges for regular counseling and health checkup programmes for students.
- ❖ Career counselling sessions were organized during last three-four years to provide the students a scope for industry interactions and many students were placement in various work field. This cell is also planning for Career Counseling Workshops to motivate students towards civil service and social service.
- ❖ Students are take advantages from Departmental and Central Library wisely.
- ❖ The college inspires and provides necessary financial and logistical support for students participating in Sports activities (both Indoor & Outdoor) at the University/State/National level where they perform reasonably well.
- ❖ Students are encouraged always to participate in co-curricular activities to write in wall magazines, departmental magazines, college annual magazines time to time.
- ❖ Departmental teachers also groom their students regarding competitive examinations like NET/SET/JAM/GATE, School service Examination etc. Success rate of the students in these examinations speaks volumes about the efforts of the teachers.
- ❖ Remedial classes and tutorials are organized by every department for such slow learners. Bilingual explanation, revision of topics and practical sessions.
- ❖ Record keeping of student progression is done by means of personal contacts at the initiative of faculty members, social networking sites, alumni association, reunion arranged from time to time.
- ❖ The college has a distinguished list of alumni and a recognized Alumni Association which keeps close contact with the authority for the overall development of the college Soon the options for registration of Alumni members through the College website and integration of the portal with Facebook and other social media will be made available.
- ❖ The college has an elected Students' Union which actively participates and cooperate in organizing the various co-curricular and extra-curricular activities such as programmes of Study Circle, Mock Parliament, various cultural programmes, indoor and outdoor game competitions, annual sports meet etc.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

An educational institution which has a clearly identified vision and mission and is ably led by the clear sighted leaders is bound to achieve excellence. Administration is a vital part of an educational institution and Haldia Government College has always believed in progression through proper governance, leadership and management for a holistic development of the college. The major points in this regard are enumerated below:

- ❖ The college functions with the vision to build a young generation which can act as essential components in the process of cultural, socio-economic and environmental sustainable development as individuals, communities and a nation.
- ❖ It is the mission of the college to promote inclusive education and development amongst all economic sections of the society without gender-bias.
- ❖ The Principal is the key element in developing the organizational structure, formulating and implementing the strategy of development. It is his/her responsibility to ensure the operation of an efficient fiscal and human resource management system which will promote the best practices of the institution.
- ❖ Being a government college, this institution is administered directly by the Higher Education Department of the Government of West Bengal. All the appointments, confirmation, promotion, transfer of Principal, teaching and non-teaching staff are controlled by the Department of Higher Education, Government of West Bengal.
- ❖ The Principal, as per discussion and resolutions adopted by different recommending bodies, including the Governing Body recommends and forwards the respective matter for approval of the Education Directorate and Higher Education Department. Once the proposal is approved, the execution of work is done with the assistance of all concerned under the supervision of the Principal.
- ❖ To implement the institutional strategic plans different academic and administrative committees and sub-committees are constituted.
- ❖ Through the Students' Union, the college regularly receives the report regarding the fulfillment of all their academic needs as well as the welfare programmes like scholarship, free-studentship, health awareness etc.
- ❖ Many college teachers are members of the Post-Graduate and Under-Graduate Board of Studies of the Vidyasagar University.
- ❖ Purchase Committee operates the purchasing procedure and the Principal on discussion with the Departmental Heads, sets guidelines of fund distribution.
- ❖ The institution can neither accumulate capitation fees from the students (at the time of admission) to enrich its resources nor can it directly take any step to develop or even repair any infrastructural component. In spite of that, the college always tries to mobilize its internal resources for its betterment.
- ❖ Through its unit of Netaji Subhash Open University, the college helps a large section of the young generation of its locality to continue their study in different branches.

- ❖ The institution has a Grievance Redressal Cell and a Disciplinary Committee.
- ❖ The grants received by the college are regularly audited by the registered auditors and the Audit and Accounts Department of the Government of West Bengal. Detailed audit of all accounts are conducted every four years.
- ❖ The Internal Quality Assurance Cell (IQAC) plays a major role to ensure timely, efficient and progressive performance of academic, administrative and financial tasks of the institution.

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

The Innovative measures and the Best Practices adopted by the college in the last four years are listed below:

- ❖ Monitoring the environmental balance within the campus through measures like organizing Tree Plantation programme, declaring the campus as No-Smoking and No-Plastic zones, organizing seminars on environmental issues etc. have been initiated.
- ❖ Regular student seminars and internal assessment in each department are held.
- ❖ The admission, the student affairs, the tendering, billing, the scholarship delivery system and several other important activities are largely paper free.
- ❖ Clean and filtered drinking water throughout the premises as well as Boys' and Girls' hostels have been provided.
- ❖ Primary importance is given to reduce the volume of chemical wastes generated in our laboratories.
- ❖ The College began subscribing to online library service INFLIBNET from the academic session 2016-17
- ❖ In 2015 PG courses in Geography and Chemistry were introduced.
- ❖ Postgraduate Distance Education Courses in subjects like Chemistry, Geography and Bengali are available.
- ❖ Approval of four new subjects (both honours and general course) namely History, Philosophy, Political Science and Sanskrit has been procured from Vidyasagar University. Necessary government approval is awaited.
- ❖ The College has implemented efficient waste disposal.
- ❖ Admission process is completely online.
- ❖ Digitalization of student database and NEFT transfer of scholarships have been achieved.
- ❖ The college has established Anti-ragging cell and Gender Sensitization Cell against Sexual Harassment.

SWOC ANALYSIS

STRENGTHS:

- ❖ Haldia Government College is the second oldest government college in the erstwhile undivided Midnapore district and the first government college in the present district of Purba Medinipur. It is the second government college under Vidyasagar University. A good number of students graduating from the college are established in different fields.
- ❖ The institution boasts of a multicultural, multilingual environment with its focus on upholding the ideal of secular education, cutting across borders of class and gender.
- ❖ The college plays a significant role in inclusive education by catering to the needs of education for the economically weaker sections of the society coming both from urban and rural backgrounds.
- ❖ There is an appreciable number of girl students and students from the backward communities in the college.
- ❖ As the college has general courses for the less meritorious students, it plays an important role in the process of universalization of education.
- ❖ Almost all departments can boast of students who are university rank-holders.
- ❖ Special classes like Remedial classes are conducted for slow learners and the college holds parent-teacher meetings on a regular basis.
- ❖ A group of dedicated, motivated and highly-qualified teachers help in maintaining the academic standard of the college.
- ❖ Research by the teaching staff has been the strength of the college for a long time. Lately, with the encouragement of UGC and the State Government, increasing emphasis is being laid on funded research and publication as discussed in the subsequent chapters. Research projects (major and minor) and peer-reviewed publications both in national and international journals are representing increasing contribution in higher academic field leading to healthy participation in the process of globalization of education.
- ❖ The Central Library offers a wide range of books on various subjects. The total number of books and journals in the central library is approximately 50,000. The college has a Rare Book section in which a number of rare books are available. The Library has INFLIBNET facilities. Each department has its own well-stocked Seminar Library.
- ❖ Participation of students in social work, extension activities, NSS-organized programmes instill among them a sense of moral and social responsibility leading to their holistic development as citizens of this country.
- ❖ The Career Counselling and Placement Cell operate actively, guiding students to explore various job opportunities and many students were placed in various work field.

- ❖ High speed broadband internet connection is in place. All Departments, the Principal's Office, the Library and the Students' Union are all connected through LAN.
- ❖ The college administration operates smoothly on the basis of a computerized office and software-equipped Accounts Section.
- ❖ The college has adopted an online admission system for the undergraduate and post-graduate admissions since 2015.
- ❖ The college offers hostel facilities to both male and female students separately at a nominal rate.
- ❖ The recently formed Alumni Association is actively engaged in guiding and providing valuable suggestions for the improvement of the college, including their significant academic and social activity and also providing donations for organizing seminars and extension activities.

WEAKNESS:

- ❖ Space constraint is one of the weaknesses of the college which limits the infrastructural extension in the present campus.
- ❖ Both the undergraduate courses and newly introduced postgraduate courses suffer from lack of sufficient space for classrooms and laboratories.
- ❖ The campus does not have a complete boundary wall.
- ❖ Although the college has separate hostels for girls and boys there is no permanent sanctioned post of hostel superintendent and security guard.
- ❖ Due to the space constraint, the college does not have large playgrounds or an auditorium.
- ❖ Although two postgraduate departments have started operating, the college has not been able to provide new laboratories. Transfer of teachers at times creates a shortage of manpower and sometimes disrupts the momentum.
- ❖ There is a severe dearth of non-teaching staff as well. Vacancies of non-teaching staff, laboratory assistants need to be filled up.
- ❖ As the institute is yet to have academic autonomy at the undergraduate level, its contribution in curriculum designing and modification remains limited.
- ❖ Further technological upgradation is required.

OPPORTUNITIES:

- ❖ Further expansion of postgraduate courses will benefit prospective students of the area as considerable demand exists for provision of opportunity for postgraduate studies. Vidyasagar University, located at a distance of 115 Km, is the main centre offering postgraduate and research facilities in the district. A few colleges have opened postgraduate courses at a smaller scale. Therefore sufficient opportunity as well as need exists for such expansion in this institute of higher education. Proposals for new postgraduate subjects have been forwarded to the higher authorities.
- ❖ Proposals for introduction of both Honours and General courses in subjects like Sanskrit, Philosophy, Political Science, and History have already been forwarded to Vidyasagar University. The university has also approved the General courses.
- ❖ Every year the students of the college participate in inter-college sports and athletics meets. They also participate in inter-college competitions organized by Vidyasagar University.
- ❖ The Library needs more reorganization and the process of computerization needs to be completed at the earliest. It has approximately 50,000 books. Simultaneously bar coding has to be introduced.
- ❖ Opportunities exist for enhancing the security and communication system in the campus. Already CCTV and intercom facilities have been installed which will be further expanded.
- ❖ A new and large auditorium is required for seminars, symposia and cultural activities.

CHALLENGES:

- ❖ To motivate the students for acquiring the ability to read, write and understand English.
- ❖ The academic performance of the students is good, yet there remains further scope of improvement. The challenge is to retain and enhance the quality and performance of the students.
- ❖ Being a government college, the institution does not have scope of filling up vacancies in teaching and non-teaching posts. Thus, the challenge is to keep up the standard of imparting education with less than adequate manpower.
- ❖ The pace of upgrading infrastructure is not proportionate with the annual increase in student intake as directed by the university.
- ❖ The capacity of hostels is inadequate for the huge number of applicants.
- ❖ The Teachers' Hostel, too, is in urgent need of maintenance. But owing to paucity of funds this task too remains unfinished

PROFILE OF THE INSTITUTION

1. NAME AND ADDRESS OF THE COLLEGE:

Name :	Haldia Govt. College		
Address :	Debhog, Haldia, Purba Medinipur		
City: Haldia	Pin: 721657	State : West Bengal	
Website :	www.haldiagovtcollege.org.in		

2. FOR COMMUNICATION:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Officer-in-Charge	Dr. Pijush Kanti Tripathi	O: (03224) 252044	9474347710	(03224) 255873	hgchaldia@gmail.com
IQAC Coordinator	Prof. Manu Auddy, Associate Professor	O: (03224) 252044	9830179205		hgciqac@gmail.com

3. STATUS OF THE INSTITUTION:

Affiliated College	☒
Constituent College	☐
Any other (specify)	☐

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	☐
Any other	☐

7. a. Date of establishment of the College : 11/20/1988 (mm/dd/yyyy)
 b. University to which the college is affiliated: Vidyasagar University

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yy)	Remarks (if Any)
i. 2(f)	02-07-97	
ii. 12(B)	02-07-97	

(Enclose the certificate of recognition u/s 2(f) and 12(B) of the UGC Act) *See Enclosures, Section H*

d. Details of recognition/ approval by statutory/regulatory bodies other than UGC: N.A.

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

Yes [] No [☒]

If yes, has the college applied for availing the autonomous status?

Yes [] No [☒]

9. IS THE COLLEGE RECOGNIZED?

a. by UGC as a college with potential for excellence (CPE)?

Yes [] No [☒]

If yes, date of recognition: (dd-mm-yyyy)

b. for its performance by any other governmental agency?

Yes [] No [☒]

10. LOCATION OF THE CAMPUS AND THE AREA IN SQ.MTS.:

Location	Urban
Campus area in sq. mtr.	19.44 acres
Built up area in sq. mtr.	2415.4sq m

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: No.

We have one large conference hall which hosts college seminars.

- Sports facilities

- o Play ground [☒]
- o Swimming pool []
- o Gymnasium [☒]

- Hostel:

- ❖ Boys' hostel
 - Number of hostels [01]
 - Number of inmates [80]
 - Facilities (mention available facilities): Aqua guard for clean water, A Library equipped with text books of different subjects and a good number of reference books, sports instruments like carom board, football, volleyball, cricket equipments etc., a separate kitchen and dining hall with seating capacity for 50 students.
- ❖ Girls' hostel
 - Number of hostels [01]
 - Number of inmates [80]
 - Facilities (mention available facilities): Aqua guard for clean water, sports instruments like carom board, badminton equipment, a separate kitchen and dining hall with seating capacity for 50 students.
- ❖ Working women's hostel: No
 - Number of inmates
 - Facilities (mention available facilities)

• Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise) Staff quarters available both for teaching and non-teaching staff.

• Cafeteria — 1

• Health centre – Nil

Health Centre Staff— NA

Qualified Doctor -	Full time	[]	Part time	[]
Qualified Nurse-	Full time	[]	Part time	[]

- Facilities like banking- NA, post office- NA, book shops- NA
- Transport facilities to cater to the needs of students and staff: NIL
- Animal house: NIL
- Biological waste disposal (✓)
- Generator or other facility for management/regulation of electricity and voltage (✓)
- Solid waste management facility (✓): Partially done
- Water waste management: NIL
- Water harvesting: NIL

12. Details of programmes offered by the college (Give Data for current academic year)

Sl no.	Programme Level	Name of the programme / Course	Duration	Entry qualification	Medium of instruction	Sanctioned/ approved student strength	No. of students admitted
1	Under-graduate	B.A., B.Sc.	3 yrs	H.S.	English & Bengali	1043 (1 st yrs.)	728 (1 st yrs)
2	Post-Graduate	M.Sc.	2 yrs	Graduation	English & Bengali	50 (1 st year)	47 (1 st yrs)
3	Integrated	NA					

	programmes PG						
4	M.Phil.	NA					
5	Ph.D	NA					
6	Certificate	NA					
7	UG Diploma	NA					
8	PG Diploma	NA					
9	Any other (Specify and provide detail)	NA					

13. Does the college offer self-financed Programmes?

Yes [☒]

No [☐]

If yes, how many?

One (Tourism and Travel Management).

14. New Programmes introduced in the college during the last five years if any?

Yes	☒	No	☐	Number	3*+2
-----	-------------------------------------	----	--------------------------	--------	------

* Post Graduate Courses in Geography, Chemistry, and Bengali under Directorate of Distance education (DDE), Vidyasagar University.

15. List of Departments:

Faculty	Departments	UG	PG
Science	Anthropology, Economics, Physics, Chemistry, Mathematics, Statistics, Geography,	07	2+2*
Arts	Bengali, English, Sociology, Education, Physical Education	05	1*
Any Other	Tourism & Travel Management	01	

* Post Graduate Courses in Geography, Chemistry, and Bengali under Directorate of Distance education (DDE), Vidyasagar University.

16. Number of programmes offered under (Programme means a degree course like BA, B.Sc., M.A., and M.Sc.)

a. Annual : [11 + 1*+3**]

b. Semester system: [02]

c. Trimester system: []

*One self financed course

** Three courses under DDE.

17. Number of Programmes with

a. Choice Based Credit System [02]

b. Inter/ Multidisciplinary Approach []

c. Any other []

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

Yes []

No [✓]

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

Yes []

No [✓]

If yes,

a. Year of Introduction of the programme(s)

b. NCTE recognition details : NA

c. Is the institution opting for assessment and accreditation of physical Education Programme separately?

Yes []

No [✓]

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

Positions	Teaching Staff						Non-Teaching Staff		Tech nical Staff	
	Professor		Associate Professor		Assistant Professor					
	M	F	M	F	M	F	M	F	M	F
Sanctioned by the State Government: <i>Recruited</i>	0	0	3	1	29	11	11	0	0	0
<i>Yet to recruit</i>					16		8			
Sanctioned by the Management/ society or other authorized bodies: <i>Recruited</i>	NA									
<i>Yet to recruit</i>	NA									

21. Qualifications of the teaching staff:

Highest Qualification (Permanent teachers)	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
D.Sc./D.Litt	0	0	0	0	0	0	0
Ph. D	0	0	1	0	11	5	17
M.Phil./M.Tech	0	0	0	0	4	1	5
PG			2	1	14	5	22

Part-time Teachers & CWTTs (WB Govt. Approved)							
Ph. D	0	0	0	0	2	0	2
M.Phil./M.Tech	0	0	0	0	2	0	2
PG	0	0	0	0	0	2	2

22. Number of visiting Faculty/ Guest faculty engaged with the College

2*

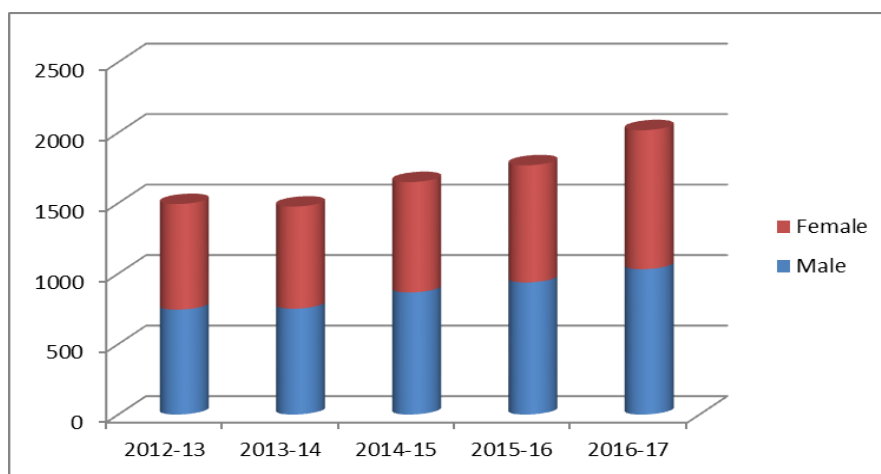
*For Self –financed programme (Tourism and Travel Management) .

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

Data For Under Graduate Course

Category	Year	2012-2013		2013-2014		2014-2015		2015-2016		2016-2017	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
SC	1st	88	56	81	56	79	60	79	60	72	93
	2nd	65	38	63	42	82	55	79	56	70	76
	3rd	49	33	32	25	52	36	51	36	93	61
ST	1st	4	8	4	12	13	3	14	3	9	12
	2nd	8	5	7	4	6	7	06	07	13	10
	3rd	6	2	7	2	6	4	06	04	9	8
OBC	1st	8	8	19	9	17	7	42	22	58	66
	2nd	8	5	12	5	10	10	36	23	49	46
	3rd	7	4	5	2	8	3	22	15	67	37
General	1st	192	256	179	231	191	201	178	201	167	164
	2nd	210	193	237	167	173	230	177	240	257	210
	3rd	99	141	110	157	237	167	247	164	167	203

Comparison of Number of Male and Female Students over the year



Data of Post Graduate Course

Category	Year	2016-2017	
		Male	Female
SC	1 st	8	3
	2 nd	4	0
ST	1 st	0	0
	2 nd	1	0
OBC	1 st	6	4
	2 nd	6	5
GN	1 st	19	7
	2 nd	16	4

24. Details on Students enrolment in the college during the current academic year:

Type of Student	UG	PG	M.Phil	Ph.D	Total
Students from the same State where the college Is located	2129	83	Nil	Nil	2212
Students from other states of India	Nil	Nil	Nil	Nil	Nil
NRI students	Nil	Nil	Nil	Nil	Nil
Foreign Students	Nil	Nil	Nil	Nil	Nil
Total	2129	83	Nil	Nil	2212

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

UG [22.54%] PG [NIL]

26. Unit Cost of Education

Unit Cost = Total annual expenditure budget (actual)/ Number of students enrolled

a. Including the salary component:

Rs. 24999.00

b. Excluding the salary component:

Rs. 4006.00

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

Yes []

No [✓]

If yes,

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. Programmes carry the recognition of the Distance Education Council.

Yes []

No [✓]

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

Stream	Department	Honours Ratio	General Ratio
Science	Anthropology	9:1	17:1
	Chemistry	8:1	11:1
	Economics	2:1	50:1
	Geography	29:1	13:1
	Mathematics	29:1	68:1
	Physics	9:1	30:1
	Statistics	2:1	2:1
Arts	Bengali	77:1	250:1
	English	70:1	6:1
	Education	50:1	98:1
	Sociology	55:1	162:1
	Physical Education	NA	231:1
PG	Geography	8:1	NA
	Chemistry	3:1	NA

29. Is the college applying for

Accreditation: Cycle 1[] Cycle 2[✓] Cycle 3[] Cycle 4[]
 Re-Assessment: N.A.

30. Date of Accreditation:

Cycle 1: ...31.03.2007 and Accreditation Outcome/Result... Grade B, CGPA – 71.2 (Criterion Score)
 Cycle 2:N.A..... (dd/mm/yyyy) Accreditation Outcome/Result.....N.A..
 Cycle 3:N.A.....(dd/mm/yyyy) Accreditation Outcome/Result.....N.A..

31. Number of working days during the last academic year

198

32. Number of teaching days during the last academic year

172

33. Date of establishment of Internal Quality Assurance Cell (IQAC): 21. 07. 2013

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

AQAR i)For 2015-16, 17/08/2016.....(dd/mm/yyyy)
 AQAR ii)For 2014-15, 17/08/2016.....(dd/mm/yyyy)
 AQAR iii)For 2013-14, 17/08/2016..... (dd/mm/yyyy)
 AQAR iv)For 2012-13, 17/08/2016..... (dd/mm/yyyy)
 AQAR v).....For 2011-12, 17/08/2016..... (dd/mm/yyyy)

**35. Any other relevant data (Not covered above) the college would like to include.
 (Do not include explanatory / descriptive information): NIL**

SECTION D:
CRITERION WISE EVALUATIVE
REPORTS

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementations

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:

- ❖ To create opportunities of holistic education for a large section of the youth to enable them to evolve as proper citizens of modern India, thereby ensuring their role as nation builders.
- ❖ To provide the necessary knowledge and knowhow to help them in their endeavours to enhance their skills.
- ❖ To evolve as a Centre of Higher Education and provide research opportunities.
- ❖ To ensure an environment that will stimulate intellectual growth and allow free exchange of ideas between members of different communities and social strata.

MISSION:

To secure equal opportunities for students of all sections of society so that they are free from the pressures of discrimination imposed by social and monetary constraints.

- ❖ To encourage the youth to attain academic excellence overcoming the problems faced by backward and underprivileged sections of society.
- ❖ To create an atmosphere conducive to proper grooming of girl students who are often deprived of the same facilities as boy students.
- ❖ To generate interests among students in subjects ranging from the liberal arts, core science subjects to the social sciences and physical education.
- ❖ To equip students to seek jobs in future by providing vocational education like Tourism and Travel Management.
- ❖ To make students aware of their environment and help them to preserve ecological balance.
- ❖ To inculcate in them the spirit of curiosity and eagerness to seek knowledge to pave the way for sustained academic research in the sciences, social sciences and liberal arts.
- ❖ To give them information on issues of national and global significance so that they are able to play a larger role in nation building.
- ❖ To enable and initiate them to handle the challenges of life in the context of the present scenario of increased competition and demanding levels of commitment.

GOAL:

- ❖ Spread of value based education among different sections of society irrespective of caste, creed and gender.
- ❖ Encourage and promote higher education and research among the youth for more meaningful roles in social development.

The goal and vision of the college are accessible to prospective students and stakeholders through the college website and the prospectus.

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).

- ❖ The college is affiliated to Vidyasagar University, West Bengal. It follows the 1+1+1 pattern in its undergraduate programme. The college has provision for regular post graduate teaching in Geography and Chemistry. The college has a study centre for Netaji Subhash Open University, West Bengal which offers different undergraduate, postgraduate and diploma courses.
- ❖ A very fruitful, popular and vibrant professional course is the Tourism and Travel Management course offered by the college, which yields tremendous career opportunities for students.
- ❖ Students attend classes, held regularly by the college and follow strict attendance rules. They actively participate in class discussions and interact with the faculty.
- ❖ There is continuous internal assessment of students' performance. According to university regulations, final examination results include internal assessment examinations marks.
- ❖ Periodic class tests are held to assess the performance of the students and enable them to improve their performance.
- ❖ Field tours are organised by the Geography, Anthropology and Bengali departments as part of their curriculum.
- ❖ Students are provided text and reference books from the seminar libraries of the respective departments in addition to the central library. The students are also provided different reference e-books, soft and hard copies of relevant articles of reputed and referred journals in the different departments of the college.
- ❖ Seminars and workshops are organised regularly to create interest of the students in academic exercises.
- ❖ Students contribute to wall magazines on a regular basis.
- ❖ Film shows and ethnographic documentary movies are held by English, Anthropology and other departments to complement classroom teaching.
- ❖ Using power point presentation is another teaching aid used by most departments.
- ❖ Interdepartmental invited lectures are organized by different departments of the college.
- ❖ Students are encouraged and motivated by the faculty to arrange and participate in group discussions, debates, and interactive sessions on different topics of the syllabi in front of the teachers and other students of the concerned department.

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

Some teachers of the college are members of the University Board of Studies and are kept constantly updated about the latest developments of the university plans. Periodic visits to the University ensure regular interaction between the college and its affiliating

University. Almost all the teachers of the college are involved by the University in paper evaluation; some of them are involved in question paper setting and moderation. The college is informed about changes in the syllabus or system of evaluation by the University through workshops and meetings.

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.

As members of the University Board of Studies the college teachers offer valuable suggestions at college meetings for proper implementation of the syllabus. The college meticulously follows the teaching guidelines of the University and advises students to follow the texts prescribed by the University. They are also advised to do reference work in the library and access the internet as and when required.

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

Students of the Chemistry and Geography departments are involved in internships and training programmes arranged by different industries. The faculty participates in workshops and training courses organized by the University.

TTM Department:

As per exiting guideline of the University each student is required to undertake at least 3 months of practical training in tourism enterprise (e.g. Travel Agency, Tour Operation Unit, Hotel, Transportation Unit, etc). Students also visit and undertake training under Ministry of Tourism, Government of West Bengal and students also attend workshops and seminar time to time.

Students from TTM department undergo 45 days industrial training at different travel industries/agency for course work/field work.

Some travel agencies which student provide these types of training programme are i) Weekly Trip Online Travel Agency, Bangalore; ii) Sita Online Travel Agency (SOTC), Kolkata.

Chemistry:

The postgraduate students of department of chemistry visit industrial houses as part of their curriculum.

Geography:

The postgraduate students from department of geography visit different urban areas, municipal bodies, rural development organizations and research institutes in order to gain hand to hand knowledge and experience. Field visits are mandatory as per the postgraduate curriculum.

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, stake holder feedback provided, specific suggestions etc.

- ❖ The University Board of Studies incorporates a number of teachers from the college as members. Their interaction with the University is the means by which feedback and suggestions are exchanged.
- ❖ Different faculty members of departments of Geography, Education, Anthropology, English, Statistics, Sociology and TTM act as BOS member of UG courses of Vidyasagar University.
- ❖ In postgraduate courses of Chemistry and Geography several departmental faculty members act as BOS members time to time.
- ❖ All academic departments take students' feedback and the BOS members convey the same to university during the meetings.

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

As the college has no academic autonomy, it is at present not possible to develop independent curriculum for any course.

Post Graduate departments set semester question papers through proper moderation under the guidance of the BOS.

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

The University holds examinations annually for undergraduate students. The college analyses the results and explores ways and means to improve the performance of the students. Meetings with parents are held to discuss matters. Extra guidance is offered to students who need help. Departmental meetings are held to discuss matters regarding better performance of students.

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

The college is affiliated to Vidyasagar University and does not enjoy the freedom to offer any other course, other than those offered by the University.

1.2.2. Does the institution offer programme that facilitate twining/dual degree? If 'yes', give details.

The college does not offer any such programme at present.

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.

Issue may cover the following and beyond: A range of Core /Elective options are offered by the University and those are opted by the college. A detail schematic diagram of Honours subjects with available General subjects are given below:

B. A. (HONOURS) COURSE		
Honours	GENERAL SUBJECT 1	GENERAL SUBJECT 2
✉ Bengali	- Physical Education - English - Education - Geography	- Anthropology - Economics - Sociology
✉ Education	- Physical Education - English - Bengali - Anthropology - Geography	- Bengali - Anthropology - Economics - Sociology
✉ English	- Physical Education - Education - Bengali - Anthropology - Geography	- Bengali - Anthropology - Economics - Sociology
✉ Sociology	- Physical Education - Education - Bengali - Geography - Economics	- Bengali - Anthropology - Economics
<u>B.A. Major(Self-Financial)</u>		
✉ Tourism & Travel Management	Geography	Sociology

At the UG level, the college has Core options in English, Bengali, Education and Sociology in Arts. In Science, the Core options are Mathematics, Statistics, Physics,

Chemistry, Geography, Anthropology and Economics. Students may opt for these subjects as Elective options also. Physical Education is also there as an Elective option. General Degree courses in Arts and Science are also provided.

B. Sc. (HONOURS) COURSE		
Honours	GENERAL SUBJECT 1	GENERAL SUBJECT 2
☒ Anthropology	- Physical Education - English - Economics - Chemistry	- Geography - Economics - Sociology
☒ Chemistry	Mathematics	Physics
☒ Economics	Mathematics	- Statistics - Anthropology - Chemistry - Physics - Sociology
☒ Geography	Economics	- Bengali - Anthropology - Economics - Sociology
☒ Mathematics	- Physics - chemistry	- Statistics - Chemistry - Physics
☒ Physics	Mathematics	- Chemistry - Statistics
☒ Statistics	Mathematics	- Physics - Economics - Anthropology

Apart from the regular UG programme the college has:

Regular Postgraduate courses: At the Postgraduate level, Postgraduate courses are offered in Geography and Chemistry subject under

DDE: There are various postgraduate courses under Directorate of Distant Education under Vidyasagar University

1. M.A. in Bengali
2. M. Sc. in Geography
3. M. Sc in Chemistry

NSOU: The college has a study centre of Netaji Subhas Open University (NSOU). The following subjects are taught in this study centre.

UG Courses: Bengali, English, History, Public Administration, Zoology, Geography, Chemistry.

Post Graduate Courses: Bengali, English, History, Pol. Science, Public Administration, MSW, M.Com, Mathematics, Master in Library Science (MLIS)

1 year Diploma Courses: English language teaching, Library science (BLIS), Journalism and Mass Communication.

1.2.4. Does the institution offer self-financed programmes? If ‘yes’, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

The college has self financed Tourism and Travel Management vocational course. This is a three years undergraduate vocational course under Vidyasagar University curriculum with 1+1+1 tier examination system. The students can take this course after completing 10+2. The annual fee of this course is Rs. 7000/- per annum. Currently the college has two guest faculty in this department with Post Graduate Degree and they are getting Rs. 10000/- per month as honorarium.

1.2.5. Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.

Tourism and Travel Management course offered by the college is a skill oriented programme and provides opportunities for successful career options.

1.2.6. Does the University provide for the flexibility of combining the 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?

Under the existing system, there is no scope of combining face-to-face with distance mode of learning, although both of these are approved by our affiliating university.

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?

The institution strives to maintain high standards of academic achievement. By arranging regular workshops, seminars and invited lectures through which students are made aware of the latest developments in research in various subjects. They feel free to interact with experts in different subjects to broaden their perspective and thereby do justice to the goals and objectives of the institution.

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?

The college does not enjoy the freedom to redesign the university curriculum. The college tries to ensure that students have a proper understanding and perception of the prescribed syllabus and texts to enable them to grasp the intricacies of the subject. They are encouraged to think independently and strengthen their critical faculty.

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 college gives special attention to acquaint the students with matters related to Gender, Climate Change, Human Rights and Environmental Education.

- ❖ Gender is an important component in the syllabi of subjects like English, Bengali and Sociology. The college has a Women's Cell and a Gender Sensitization Cell in the activities of which both students and teachers play important roles.
- ❖ Environmental Education is a compulsory subject. Students have to qualify in the subject to get their Bachelor's Degree. From the current academic session the students are also required to submit an environmental project report.
- ❖ Students of the Geography department conduct experiments on issues of Weather Change. During field survey the students of the Geography department collect temperature, rainfall and other climatic data to analyse climatic characteristics. After analysis, they use the data to give some recommendations to cope with the changing climate in an area.

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

It is the endeavour of the college to ensure that the students strive to maintain the highest standards of morality. Ideals of value education are imparted to them through socially relevant workshops, lectures and seminars.

- ❖ As part of their NSS programme activities, they organize and take part in various social initiatives

- ❖ The college has started a very active NCC wing in the year 2016. Socially relevant activities are undertaken by the NCC cadets. The NCC 55 Bengal Battalion of Tamluk organised a CATC Camp in the college premises from the 12th to the 21st of February, 2017 and conducted NCC 'C' Certificate examinations during that period.
- ❖ The eligible cadets of the college participated in the 'B' Certificate examinations of the NCC.
- ❖ College students took part in the 'Safe Drive Safe Life' initiative of the Government of West Bengal. Few students of this college won prizes in this initiative.

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

Teachers play an important role in seeking regular feedback from students and strive to accommodate their demands within the academic and co curricular activities of the college. Parent-Teacher meetings are held regularly to help the students and the suggestions of the stakeholders are taken account of and applied suitably. Students are encouraged to interact formally and informally with the faculty. As per their requirements, teaching and learning aids like seminars, workshops and film shows are regularly held by the departments. The Board of Studies members of the college interact regularly with the University to keep students updated with the changes in syllabus and other academic matters.

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

The teachers are vigilant to the requirements of the students and monitor the various enrichment programs of the college. The Governing Body and the IQAC cell provide support and guidance and evaluate the quality of enrichment programmes. There is an active Grievance Redressal Cell in the college. The NSS cell organizes various social activities as enrichment programmes.

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?

Being an affiliated College, the Institute does not have the privilege to design its own curriculum. The syllabus and curriculum for under graduate and post graduate courses are designed by respective Board of Studies as appointed by Vidyasagar University and approved by the Academic Council of the University. However, some of the faculty of the college are members of Board of Studies, and play active part in the modification and framing of the syllabus.

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?

There is a formal feedback system which is needed to obtain student feedback on different issues related to curriculum content and design. Formal student feedback is taken from the collegiate students only.

Feedback regarding other issues, particularly regarding introduction of new programmes are presented in the form of recommendations to the Governing Body, the highest policy-making body, which takes a final decision on the issues taking all related matters into consideration.

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?

- ❖ Regular Post Graduate courses have been introduced in the departments of Geography and Chemistry from the year 2015.
- ❖ Post Graduate courses under the Distance Education Programme in the subjects of Geography, Chemistry and Bengali have been continuing from the year 2012.
- ❖ The college has obtained permission from Vidyasagar University to start Honours and General courses in Political Science, History, Sanskrit and Philosophy. However government permission is still pending.

Any other relevant information regarding curricular aspects which the college would like to include.

Smart classrooms have been established in Department of Geography and in Department of Chemistry. Interactive teaching learning procedure like audio-visual mode, overhead projector, LCD projector, laptop, Flow charts, models, science laboratories, modern equipments, computers with internet connections are provided.

Seminars, Workshops, Guest Lectures, Symposiums, Quiz, Debate, and Cultural Programmes are regularly organized for over all development and knowledge sharing.

Central library and departmental seminar library facility has also been created. Other active parts are UGC sponsored Career counselling and Placement cell, Grievance Cell, Anti Ragging cell, Gender Sensitivity Against Sexual Harassment Cell, Equal Opportunities Cell and Women's Cell.

Keeping the recommendations of the NAAC peer team in mind the following initiatives were taken up by the institution for curriculum enrichment:

- ❖ English and Bengali department jointly conducted several special lectures for introducing a comparative study between the English and Bengali literature.
- ❖ Remedial classes have also been extended to all subjects without financial assistance from UGC. Departmental faculty members take the initiatives for extending remedial classes for the slow learners.
- ❖ Alumni activities have been formalized. Feedback from Parent-teacher meeting and Alumni-meeting are given due consideration.



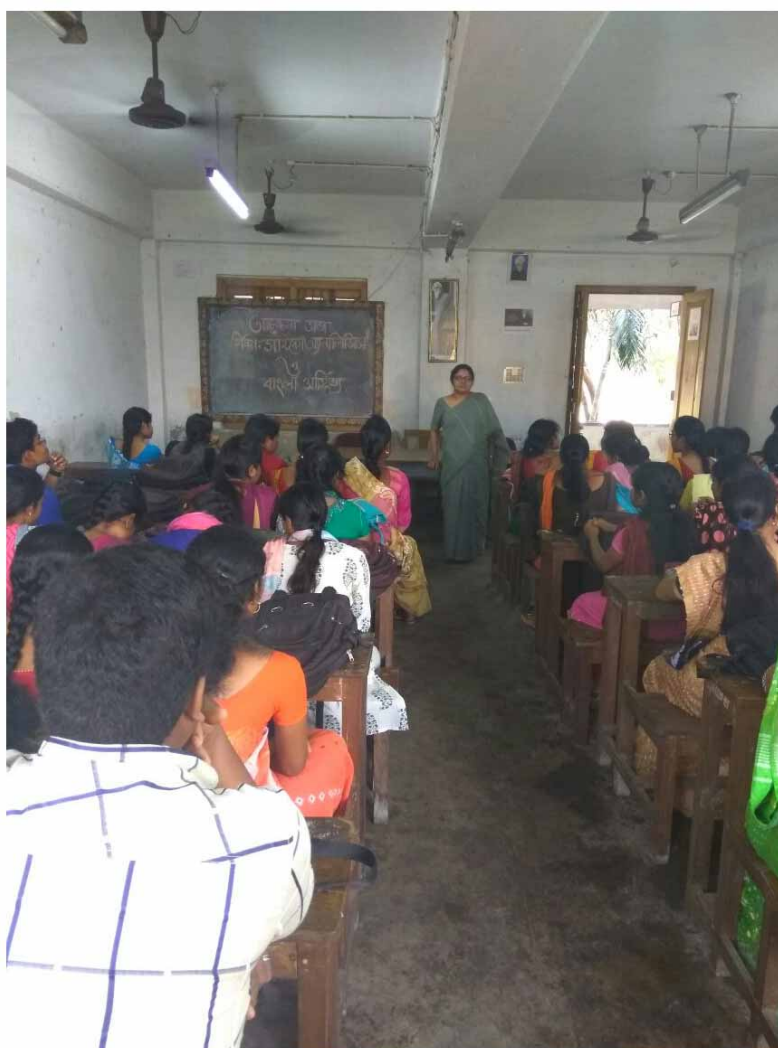
Anthropology Lab.



Internal Assessment



Laboratory of Physics Dept.



Classroom

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?

- ❖ An advertisement for admission in our college is published in some local newspaper and local cable TV channel.
- ❖ Publicity and transparency are maintained also through extensive use of the college website. The website is regularly updated.
- ❖ All information including admission procedure, infrastructure, fee, various activities of the college etc, are uploaded regularly in the website.
- ❖ These are also put up in the college notice board.
- ❖ The college also publishes its prospectus annually which includes criteria for admission in various subjects. It is a complete corpus of all information on the admission process and is designed as a helpful guide for all applicants.
- ❖ Transparency is ensured by the introduction of online admissions since 2015 – 16. The college gives contract to an organisation who effectively manages everything from application process to publication of merit lists.
- ❖ The office is also equipped to handle the online admission process. All financial transactions are done through a nationalized bank.
- ❖ Needless to mention, merit is the sole criterion for admission. Counselling is done on the basis of the provisional merit list published in the website.
- ❖ The whole admission process is conducted by the Admission Sub-committee nominated by the Teacher's Council which is generally a combination of senior teachers and newly appointed young teachers. The Admission Sub-committee also includes representatives from the Students' Union.
- ❖ Students are provided a unique identity card after admission.

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) to various programmes of the Institution.

At the undergraduate level, admission is conducted solely based on merit. Students are admitted on the basis of marks obtained in the last qualifying examination, i.e. 10+2 or equivalent. The eligibility criteria for admission to various courses are as follows:

Honours degree course:

Qualifying Higher Secondary or equivalent examination with minimum 45% marks in aggregate (to be calculated by adding the marks obtained in best five subjects excluding Environmental Studies).

or,

50% marks in subject or related subject.

General degree course:

Pass marks in at least five subjects in Higher Secondary or equivalent examination.

Other important information

- ❖ Any candidate seeking admission to a course in laboratory based subjects must have obtained pass marks in those subjects / relevant subjects at the Higher Secondary level.
- ❖ In addition to the above any candidate seeking admission to Honours course in Physics, Mathematics or Statistics must have passed in Mathematics in Higher Secondary or equivalent examination.
- ❖ Any candidate seeking admission to Honours courses in Anthropology, Economics, Geography, Education or Sociology and not having these subjects at H.S. or equivalent level, must have any one of the relevant subjects in his / her Higher Secondary or equivalent course. The relevant subjects are
 - i. Anthropology: Any subject combination except commerce (preference will be given to students with Biology in H.S. course)
 - ii. Economics: Any subject combination (preference will be given to students with Maths /Business Maths / Statistics in H. S. Course)
 - iii. Education: History
 - iv. Sociology: Political Science/ History

To take Physical Education as general subject students have to go through a physical fitness test which is conducted by the department of Physical education.

Students are admitted on the basis of the merit scores. The departments have the autonomy to decide the formula for computation of merit score. Usually, 10 % of aggregate of best five subjects along with marks obtained in the subject applied for is considered to calculate the merit score. Admission is carried out strictly following the reservation rules for SC, ST, OBC and physically disabled students.

For the twin PG courses (Geography and Chemistry), admission tests are conducted in a limited manner. 60% of the PG seats are reserved for students of the home university (VU) and the remaining 40% seats are open to graduates of all universities, including the home university. The 60% seats are filled strictly on the basis of marks obtained in the Honours subject. For the 40% seats, results of admission tests and merit are considered to prepare merit list. The admission test is conducted by the respective departments under the supervision of the Controller of

Examinations, Haldia Government College. The questions are all of multiple-choice type following the model of UGC's NET examination.

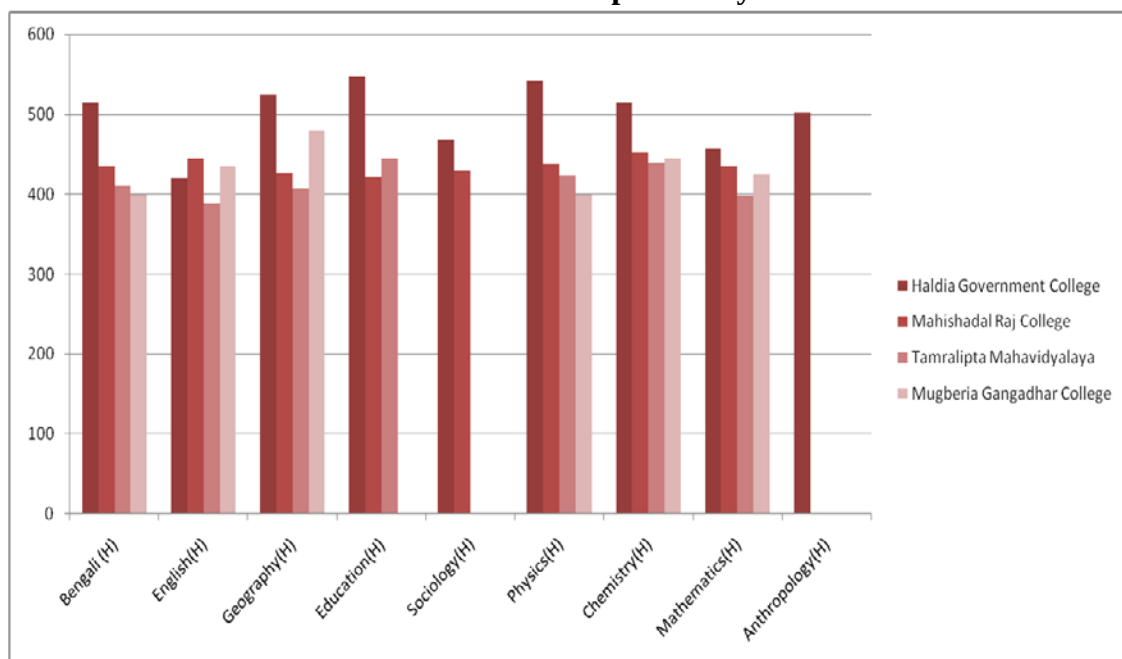
2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

The final results of 2016 are compared with other three colleges under Vidyasagar University within the Purba Medinipur district.

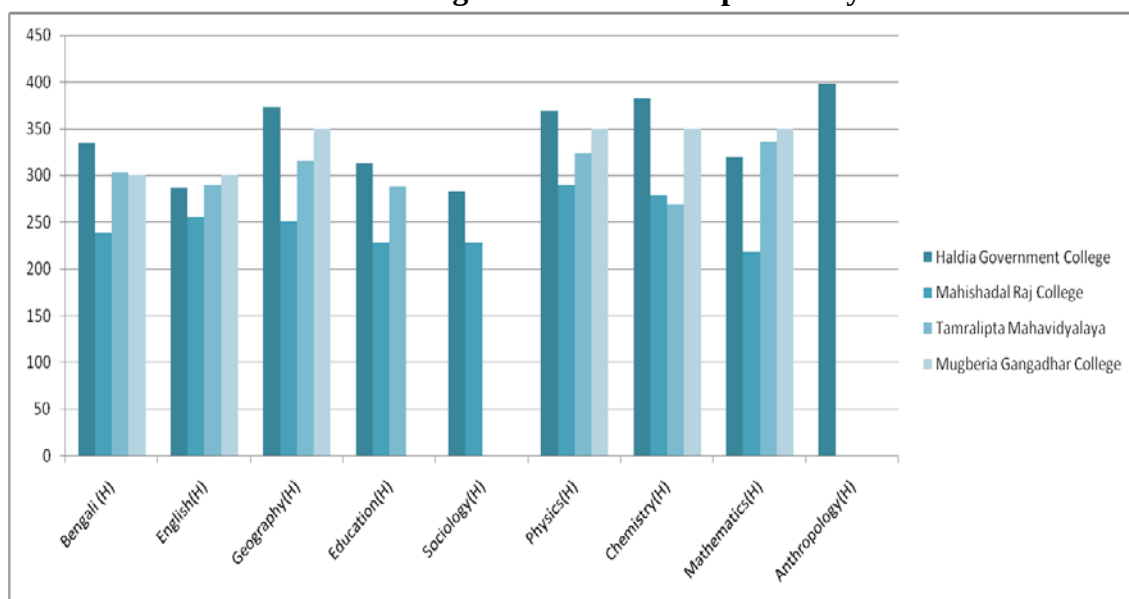
Home College: Haldia Government College (HGC)
Others colleges for comparison: Mahishadal Raj College (MRC),
Tamralipta Mahavidyalaya (TM),
Mugberia Gangadhar College (MGC).

Subjects	HGC		MRC		TM		MGC	
	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest
Bengali (H)	514	335	435	239	410	303	400	300
English(H)	420	287	445	256	389	290	435	300
Geography(H)	525	373	426	251	407	315	480	350
Education(H)	548	313	421	229	445	288	-	-
Sociology(H)	468	283	430	229	-	-	-	-
Physics(H)	542	369	438	290	424	324	400	350
Chemistry(H)	514	382	452	279	439	269	445	350
Mathematics(H)	457	320	435	218	399	336	425	350
Anthropology(H)	502	398	-	-	-	-	-	-

Comparison of highest marks obtained by our college students with nearby colleges' students in the previous year:



Comparison of lowest Marks obtained by our college students with nearby colleges' students in the previous year:



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 there is such a mechanism in place.

- The Admission committee maintains a strict vigil on the admission process and conducts regular supervision on all its aspects.

- The administration, with the help of the college office, also monitors student profiles all the time with the intention of improving academic standards.
- Meetings are held frequently to ensure that the framed policy is in consonance with the criteria laid down by the affiliating university as well as with the government norms.
- Suggestions and recommendations from all heads of the departments and other stakeholders are considered to review the modus operandi methodically. Student profiles are reviewed by the departments and duly communicated to the Admission Committee for counselling. However, efforts are made to not disturb the mandate for inclusive education.

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.

SC/ ST: The reservation policy of the Government of West Bengal is followed with respect to admission of students of the SC and ST categories which is 22 percent and 6 percent for SCs and STs respectively.

OBC: In 2014 the new policy of the Government of West Bengal is to increase the number of seats for OBC to 17 % over a period of 6 years keeping the total number of seats (in General quota) intact.

Women: The college is a co-educational institution and hence equal stress is given to encourage higher education for women. However, no separate reservation policy for women exists. The “Kanyashree Prakalpa”, a grant disbursed by the Government of West Bengal for unmarried women students is operating in the college.

Differently-abled students: The reservation policy of the Government of West Bengal is followed here too. The college gives opportunity to disabled students both with regard to academic and infrastructural facilities, if admitted.

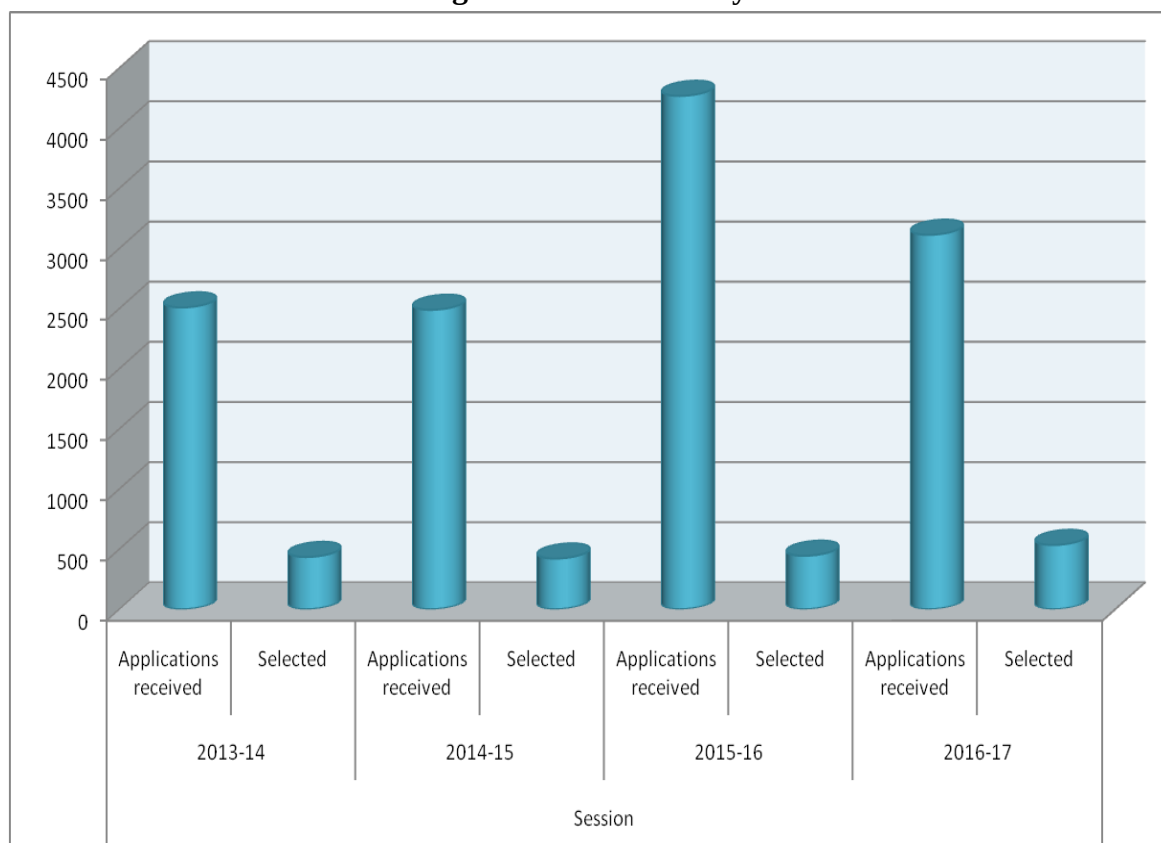
Economically weaker sections: The college has the **Students’ Welfare and Students’ Union Subcommittee**, the **Equal Opportunity Cell** and the **Students’ Counselling Subcommittee** (under the Teachers’ Council) which are in charge of addressing the needs and scopes of economically weaker students. They also try to disseminate information as well as grants relating to various scholarships of the Government of West Bengal and the Government of India to the students making them aware of such stipends. Various private and corporate house scholarships are also given to needy but meritorious students especially from economically weaker sections.

Minority Communities: The college regularly makes available various government funds / scholarships and stipends to the students of the minority community. The college strictly follows the government's reservation policy for SC / ST and OBC (Category A & Category B) and adheres to the government norms. Although there is no provision for waiving of any fees at the time of admission for needy students yet the fees are highly subsidized as any comparative study with private institutions of similar standard will reveal. Coaching for NET or SET is organized for S.C., S.T., minority and O.B.C. students of the college by the two postgraduate departments of Chemistry and Geography.

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.

Subjects	Session											
	2013-14			2014-15			2015-16			2016-17		
	Applications received	Selected	Demand ratio	Applications received	Selected	Demand ratio	Applications received	Selected	Demand ratio	Applications received	Selected	Demand ratio
Anthropology	70	20	0.29	60	11	0.18	54	11	0.20	52	21	0.40
Bengali	487	66	0.14	478	75	0.16	826	79	0.10	554	95	0.17
Chemistry	248	31	0.13	272	34	0.13	473	37	0.08	270	33	0.12
Economics	4	Nil	Nil	3	Nil	Nil	15	Nil	Nil	13	3	0.23
Education	378	83	0.22	415	94	0.23	666	100	0.15	503	110	0.22
English	400	61	0.15	307	42	0.14	758	44	0.06	579	77	0.13
Geography	469	49	0.10	505	60	0.12	339	62	0.18	524	63	0.12
Mathematics	170	22	0.13	121	27	0.22	439	28	0.06	186	15	0.08
Physics	146	9	0.06	204	13	0.06	417	13	0.03	236	14	0.06
Sociology	111	72	0.65	96	47	0.49	224	48	0.21	148	78	0.53
Statistics	12	7	0.58	13	3	0.23	39	4	0.10	28	5	0.18
TTM	16	13	0.81	18	13	0.72	20	17	0.85	21	19	0.90

Comparison of total number of applications received and selected candidates of Haldia Government College over the last four years:



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?

The college provides all forms of academic and administrative support to the differently-abled students as far as possible both in the context of government rules and ergonomical compliance whenever needed. Teachers provide special care for their academic improvement and generation of interest.

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. Haldia Govt. College makes effort to assess the students' needs in terms of knowledge and skills before the commencement of the programme in two different ways. First, from the filled in application form for admission, information on the background of the students is sorted on both academic and personal ground. Prima facie information in terms of knowledge and skills of the students is acquired in this regard. Further, at the time of admission, both the Counselling Desk comprising of

departmental teachers (where the student is to be admitted) as well as Students' Help Desk address the need of applicants and also answer their queries.

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?

Bridging- For bridging purposes, bilingual explanation strategies are adopted in classroom lectures and discussions. Tutorial classes are arranged in all the departments. Faculty members of the department sit with students and orient them towards advanced learning.

Remedial- Academically weak students are identified secretly and special remedial classes are held in various subjects to help them.

Add-on & Enrichment- The teachers take special care to identify areas of weakness in students. To address this they procure relevant books in the seminar libraries for their benefit with the help of funds supplied by the government.

All departments encourage students to participate in seminars, workshops etc. organized either centrally or departmentally in the college. Informal student-seminars are also held in classrooms where they are asked to make presentations and participate in discussion sessions.

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

Gender – Haldia Government College is a co-educational institution which provides equal opportunity to the female students and the third gender. Separate Common Room for female students is exclusively maintained in the institution. A separate Disciplinary committee namely, **Gender Sensitization Cell against Sexual Harassment** in match with BISAHA guidelines is maintained to provide the needs of women. The college also has a **Women's Cell** and an **Equal Opportunity Cell** which organizes seminars in collaboration with National Service Scheme in regular manner. The Women's Cell organizes different programmes to celebrate Women's day every year.

Inclusive Representation- The college being a government college supports inclusive education making no discrimination on the basis of religion, caste, ethnicity, region, language, social status etc. Further, the institution follows the reservation rules as per Government norms for SC's, ST's, OBC - A & OBC - B. The college has a separate subcommittee to monitor the above work.

Environment-friendliness- The two NSS units of the college take regular initiatives to promote environment-friendliness among students. To this end they organize activities like tree-plantations, campus cleaning drives etc. Moreover, all undergraduate third year students of the college have to prepare a project or carry out

field-work on environmental issues as part of the compulsory **Environmental Studies** curriculum of Vidyasagar University.

Energy conservation: Conservation of Energy is one of the primary areas of concern for Haldia Government College. The following measures are taken within the institution's premises to curtail wastage of energy and maintain optimum conservation. Sustenance of nature is the key concern for the institution in this regard. Fans and lights are turned off when the students are not around, and use of sunlight is maximized wherever possible. Doors and windows have tight seals and are closed when the air-conditioners are running. Computers, UPS, printers and copiers are turned off at the end of the day to avoid wastage of energy. Equipments are monitored and serviced at regular intervals for proper operation.

Efforts for Carbon neutrality: Haldia Government College, over the years, has tried to maintain carbon neutrality through a number of measures. Giving more importance to the greenery and plantation programme within the college promise for more supply of oxygen and reduction of gaseous form of carbon. The institution also boasts of a vast stretch of open land.

The college is situated in a busy industrial area and Haldia Dock complex is near the college. Also, NH-41 is just beside the college which remains very busy from day to night. This implies that the air here is not free from high levels of pollution. The emissions from industrial hubs as well as automobile exhausts contribute to the pollution. Knowing this the students of the college under the aegis of National Service Scheme and National Cadet Corps take a lot of initiative to plant trees, thus contributing to the reduction of carbon density in the atmosphere.

The personal vehicles used by the staff members conform to state defined pollution rules and match with Euro III and Euro IV specifications to reduce carbon emission.

Plantation: Plantation programmes within the college premise programme are held on a regular basis which is an important instrument for environment consciousness. Moreover, the gardener of the college effectively maintains the college garden which includes planting of new flower plants.

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

The college efficiently identifies and supports the needs of the advanced learners in a number of ways which are as follows:

- The Central Library as well as Seminar Libraries in all the departments in the college provide text and reference Books of different specialized areas as well as journals of both international and national publishing houses.
- All the science departments has got excellent laboratory facilities to provide good experimental infrastructure to satisfy the needs of the advanced learners.

- Internet facilities are available in the different departments for providing soft copies of different types of advanced academic resources to the advanced learners.
- Once the advanced learners are identified, they are encouraged to take part in different workshops and short term skill enhancement courses.
- Departmental teachers spend time to help the advanced learners even beyond college hours.

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)?

- The college carries out analysis of academic performance through conduct of Unit tests. The Unit Tests are conducted twice a year which also a part of University Curriculum.
- Further, different departments regularly organise class tests to assess the progress of the students in their academics. Class tests are often conducted as surprise test to test whether the students are ready for the final university examinations.
- Apart from this, regularity of the students is monitored frequently to identify the absentee students.
- These steps are followed up by a number of deeds so as to reduce the risk of drop out particularly from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.
- The teachers of the institution advise and guide the students for betterment as well as counsel those who are weak and fail to cope with the academic standard of the college. Results are prepared centrally but with close dialogue conducted with departments so that the weaknesses of individual students are tackled in a need-based manner.
- The departments tend to keep track of the absentee students and try to find the cause of absence.
- Every now and then they are kept in touch over phone and motivations are provided for being present in the class and academic improvement.
- The departments also organize parent-teacher meetings every year to discuss about strength and weakness of the students.

2.3 TEACHING-LEARNING PROCESS

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

The schedules mentioned here are taken up as agenda for discussion in every meeting of the Teachers' Council and especially in the meeting held at the beginning of the academic session.

The **Academic Subcommittee** of the Teachers' Council prepares a detailed Academic Calendar at the beginning of the session. It is circulated among all departments of the college.

The individual departments, through departmental meetings, set up the teaching assignments of each teacher and the students are subsequently notified.

The Academic Subcommittee also prepares the master routine for the entire college at the beginning of the session. The individual departments then frame their individual routines which are displayed on the notice boards for everyone to see.

The **evaluation process** is structured by Vidyasagar University and sent to the college, which is followed by all departments of the college. The detailed breakup of marks, question pattern, probable date of examination etc. is communicated to the students at the beginning of the academic session. Any change in the pattern is intimated well in advance.

Two Internal Assessments per year for Honours students and one per year for students of the General course are held for each batch as per directive of the University. Apart from these separate class-tests (in written and oral form) are also conducted by the departments.

In some departments students are required to carry out a project in their Final Year of study as part of the University curriculum. They are evaluated internally by the College teachers and externally by University experts.

The postgraduate departments evaluate their students through semester examinations and presentation of Term Papers in seminars.

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

- ❖ A strict vigilance over attendance of students and teachers is maintained round the year.
- ❖ The syllabus is meticulously covered and students' grasp over all its areas is ascertained through periodical assessments.
- ❖ Five Internal Assessments per year are held for each batch as per directive of the University. Apart from these class-tests (in written and oral form) are also conducted by the departments.
- ❖ Regular monitoring of college infrastructure is carried out.
- ❖ Constant attention is directed towards effective upgradation of knowledge base of all teaching staff by ascertaining participation in Refresher Courses, Orientation Programmes, Research, Seminars and Workshops etc.
- ❖ Departments are encouraged to regularly hold Remedial as well as Tutorial classes to address the specific needs of weaker sections of students.
- ❖ Departments are instructed to organize Special lectures and Seminars to provide inspiration and enhance knowledge to students.
- ❖ Departments are also encouraged to hold student seminars.

- ❖ Purchase of books and equipment for all Departments as well as the Central Library is monitored on a regular basis.

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?

- ❖ The teachers are committed to giving individual attention to students as far as possible. Practices like remedial coaching for students belonging to reserved categories are regularly carried out. Special Tutorial classes are held to encourage the advanced learners.
- ❖ Apart from the usual 'chalk and talk' method other teaching aids like audio-visual methods are employed.
- ❖ Advanced software is used whenever required.
- ❖ Students are encouraged to take part in special student-seminars held in the departments to boost their confidence.
- ❖ Student performance in the internal tests and class tests are regularly monitored.
- ❖ Students are guided in a one to one basis towards implementation of projects that are a part of the University syllabus.
- ❖ Students are given individual guidance when they are taken out for field work/excursions in subjects like Geography, Bengali and Anthropology.
- ❖ All disciplines are geared towards providing not just book-based curricular expertise but also an all-round education with meaningful real life orientation.
- ❖ Constant monitoring of students' learning is also done regularly through classroom interactions as well as personal meetings outside classrooms.
- ❖ The institution publishes its updated brochure every year at the beginning of the academic session which provides an overview of the college. The college website provides necessary details. Academic Calendar is also provided to the students to communicate the year-long schedule of the institution. Some of the salient features communicated to the students through these means are:
 - ❖ Norms of admission/ courses offered at UG/PG level and Faculty list.
 - ❖ Code of Conduct for the students.
 - ❖ Hostel Accommodation: Its Rules & Guidelines.
 - ❖ Stipend/award and prizes for the students
 - ❖ Assessment system through internal examinations
 - ❖ Seminars & Workshops that are organized by all departments regularly.
 - ❖ Career-oriented seminars
 - ❖ Remedial and Tutorial classes that are taken to support the students

Apart from these

- ❖ A fully functional **Career Counselling and Placement Cell** is operational in the college for providing valuable guidance to students regarding their career aspirations.
- ❖ The **Gender Sensitization Committee Against Sexual Harassment** of the college serves to disseminate knowledge relating to gender equality and discrimination among students as well as staff. Grievance redressal is also handled by the cell.
- ❖ A fully operational **Anti-ragging subcommittee** functions in the college.
- ❖ Participation of students in university, district and state level competitions ensured through the Physical Education Department.
- ❖ Maintenance of strict discipline, food-quality, hygiene and academic environment in boys' and girls' hostels of the college are maintained through the relevant subcommittees under the Teachers' Council.

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?

Critical thinking ability is the foremost agenda of teaching-learning in this college. It is what is always present in the minds of the teachers. That is the most important rationale of higher education. Creativity and the scientific temper are attributes that invariably accompany critical thinking. These are the ways in which the college attempts that:

- ❖ Students are encouraged to ask questions and advance their opinions within the classrooms to make the teaching-learning process interactive.
- ❖ The college regularly arranges seminars and invitational lectures and workshops in various disciplines. The students and teachers of all departments are encouraged to participate in these.
- ❖ Students' seminars are held in which students are encouraged to make presentations and take part critically in the discussions.
- ❖ Various awareness programmes like seminars on child rights, AIDS awareness, Thalassaemia Detection Camps, gender sensitivity workshops, equal opportunity for all, women's rights etc. also help the cause.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? eg. Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

Under the National Mission on Education through ICT (NMEICT), funded by the Ministry of Human Resources Development, Government of India, provision for high speed broadband internet through both wireless and wired medium has been created in all the Departments, Library and College Office. A separate local area network (LAN)

has been set up as well, interconnecting physically distant points of various Departments. The college authority fully appreciates the opportunities that can emanate from internet access and is committed to remove all barriers in this regard.

- ❖ The IQAC is considering the options for integrating the virtual class lectures available through NPTEL programme and devising ways to incorporate the same into conventional classroom teaching. For this purpose, physical infrastructures are being augmented, such as creation of e-classrooms, improving broadband internet speed etc.
- ❖ Following technology enabled facilities are available for effective teaching:
- ❖ Use of LCD projectors.
- ❖ Use of internet and audio-visual medium like films.
- ❖ Use of software such as QGIS, Remote sensing GIS software Geomatica, Google Earth , and Corel Draw by Dept. of Geography.
- ❖ The Library has INFLIBNET facility, a portal through which the teachers and students can have access to useful journals.

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

The college is always engaged in a constant endeavor to expose students and faculty to advanced levels of knowledge and skills. For this seminars / workshops and lectures / talks are frequent occurrences here. These are also made interactive to facilitate quick blending of the knowledge acquired.

Blended Learning in the form of interdisciplinary exchange happens between Geography and Statistics, Physics and Physical Chemistry, Sociology and Bengali, Bengali and English etc. Expert lectures are arranged particularly at postgraduate levels in the disciplines offering the degree.

Further, the faculties on a regular basis participate in Refresher Courses and Orientation programmes conducted by different Academic Staff Colleges across the country.

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

Round the year in all the individual departments of the college guidance is made available for students. It begins on the very first day of the session when freshers are briefed on how and when they should approach the teachers as well as seniors for any form of support. Academic counseling is always on. It takes place everyday inside the classrooms as well as outside. Students are guided both collectively and individually on various aspects relating to studies and examinations. But this is not all. The teachers are also keen to develop personal rapport with the students and are available for any kind of emotional support.

The college has all the following statutory subcommittees under the supervision of the Teachers' Council:

- ❖ Students' Counseling Subcommittee
- ❖ SC / ST Complaint Cell
- ❖ Internal Complaints Committee and Special Cell
- ❖ Students' Welfare and Students' Union Subcommittee
- ❖ Students' Hostel Subcommittee
- ❖ Disciplinary Subcommittee
- ❖ Career Counselling and Placement Cell
- ❖ GSCASH
- ❖ Equal Opportunity Cell
- ❖ Grievance Cell
- ❖ Women's Cell
- ❖ Anti-ragging Subcommittee

All these subcommittees and cells are always working under the aegis of the Teachers' Council to maintain the ideal student-friendly environment within the college premises. Apart from that the teachers of the college have regular interaction with the students in a humane way to make them feel at home and pursue their studies happily.

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?

The college administration has been in a continuous process of encouraging and supporting the faculty in adopting new and innovative approaches to teaching students. Regular meetings are held to discuss, monitor and assess the efficacy as well as feasibility of the new approaches. During the last four years the following steps were taken:

- ❖ Round-the-clock high speed internet access with Wi-Fi connectivity was made available in all departments. This helped teachers in better preparation of teaching materials as well as in their daily preparations.
- ❖ Faculties of different departments have developed the practice of using Microsoft PowerPoint presentations as a teaching aid while delivering lectures.
- ❖ The departments of Geography and Chemistry have developed smart classrooms as a latest cutting-edge advancement in the method of teaching.
- ❖ Frequent seminars, symposia and workshops are held along with special lectures and talks by eminent academicians.
- ❖ Many departments also use film-shows and exhibition of paintings to supplement teaching.
- ❖ The postgraduate departments of Geography and Chemistry regularly arrange seminar presentations, project work and require students to submit dissertation reports which are evaluated in the presence of external examiners.
- ❖ Educational tours also play an important role in the curriculum. These are done with full sincerity and students are accompanied by teachers as well as non-teaching staff members.
- ❖ In addition to the aforesaid devices, ICT Tools such as photocopiers, scanners, printers etc. contribute to better learning process. GIS software, microscope with photographic attachment etc. also help the cause of innovative learning. Student feedback system also helps to nurture the development of the new teaching aids across the departments.

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

Haldia Government College has a rich library system that is constantly in use by the students. The central library houses approximately 37,611 books and approximately 380 copies of journals. The reading room can house approximately 60 people. There is constant internet access in the library. Apart from the central library, there are seminar libraries attached to all individual departments. Photocopying facility is also provided to the students on request.

The college is a subscriber of INFLIBNET NLIST database. It has also initiated necessary steps for automation of the library through KOHA software. The application for the disposal of fund for this purpose is now under active consideration of the government. The library has further planned to create a bibliographic database of its entire collection and thereafter aims at a thorough implementation of the proposal to convert all activities of the library into the digital format. More specifically, beginning with library membership all routine transactions and dissemination of information will be on a paperless basis.

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.

Proper completion of curriculum within due time is always the foremost priority of the teachers in this institution. But, in doing so the teachers have to undergo a number of constraints and challenges. Situations often arise where numbers of teaching days are curtailed owing to reasons like co-curricular activities, students' election mechanism, changes incorporated in University academic calendar and so on. Further calamities both natural and socio-political tend to create challenge in completing the curriculum within the planned time frame and calendar. This being a government college the mechanism of in-service transfer of faculty also sometimes makes smooth completion of syllabus difficult. To overcome these constraints, the teachers often take extra classes outside the routine as well as sometimes during the vacation period.

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

The monitoring of the teaching-learning process is done through a structured method:

- ❖ On a central level, the IQAC keeps a constant vigil on the academic processes of the College. It checks and keeps record of the functioning of the faculty and the students.
- ❖ Internal academic audits by the IQAC are a mechanism to supplement its monitoring.
- ❖ Teachers constantly monitor students' attendance through regular attendance records. Students' progress is also evaluated through class assessments and/or tests.
- ❖ If any student is found with poor attendance or appears disinterested in learning, then the teachers try to sort out the problem through counselling her/him.
- ❖ Regular Parent-teacher meetings are conducted to apprise the guardians about the academic affairs of the college and the progress of their wards.
- ❖ The Principal monitors the functioning of the departments by regularly checking the teachers' Daily Self Appraisals and conferring with HoDs on pertinent matters.
- ❖ All academic activities are decided through the Teachers' Council.
- ❖ The College also informs and involves the Students' Union and the Alumni to muster support to ensure optimum results from Teaching-Learning.

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.

As Haldia Government College is a government college, it doesn't enjoy any autonomy in the recruitment and retention of the permanent teachers. These teachers are appointed by the Higher Education Department, Government of West Bengal as per the recommendation of Public Service Commission, West Bengal. The permanent teachers are transferred to different government colleges within the state as per the government orders issued by the Higher Education Department from time to time.

In earlier times, the college used to recruit the Part-time teachers. However, since 2010 the recruitment and retention of Part-time teachers are monitored by the government. The college, however, is empowered to recruit and retain eminent faculties as Guest Teachers in different PG departments. These recruitments, however, have to be approved by the government.

The number of sanctioned teaching posts in our college is 59. But presently we have 44 permanent teachers and 6 permanent part time (PTT) teachers approved by the state government working in the institution.

40 % of the recruited teachers have Ph.D. as the highest qualification.

50 % of the teachers have Ph.D. or M.Phil. as the highest qualification.

Highest Qualification (Permanent teachers)	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
D.Sc./D.Litt	0	0	0	0	0	0	0
Ph. D	0	0	1	0	11	5	17
M.Phil./M.Tech	0	0	0	0	4	1	5
PG			2	1	14	5	22
Part-time Teachers & CWTTs (WB Govt. Approved)							
Ph. D	0	0	0	0	2	0	2
M.Phil./M.Tech	0	0	0	0	2	0	2
PG	0	0	0	0	0	2	2

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.

The college has introduced PG Courses in Chemistry and Geography since the last visit of the Peer Team of NAAC in 2007. In these courses, several renowned teachers from different universities and institutions have been appointed as Guest Faculty. Since the college itself does not have the autonomy to handle scarcity of experts in different fields it actively endeavours to fill in any void by encouraging the faculty to participate in different seminars, workshops, refresher and orientation programmes etc. to upgrade themselves effectively.

Guest faculty and visiting faculties

Session	Number of guest faculties engaged	Number of Visiting faculties in the PG Department of Chemistry and Geography	Number of Visiting faculties in the UG Departments
2012-13	Not applicable	Not applicable	2
2013-14	Not applicable	Not applicable	2
2014-15	Not applicable	6	2
2015-16	Not applicable	6	2

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:

The institution always provides helping hand towards those faculties, opting for professional development. The college readily grants the faculties study leave for such activities. It not only allows but inspires them to take part in national and international conferences, seminars and training programmes and so on.

Faculties participated in different staff development programmes

Academic Staff Development Programmes	Number of faculty nominated					
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
Refresher courses	4		4	4	7	2
HRD programmes				1	1	
Orientation programmes		4	2	1	2	
Staff training conducted by the university						
Staff training conducted by other institutions						
Summer / winter schools, workshops etc.						

Faculties participated in different faculty development programmes in the last five years (2011-16) (OP-Orientation Programme, RC- Refresher Course, WS-Winter School):

Session	Department	Name of the Faculty	Type of Programme
2011-12	Geography	Bidyut Pramanik	RC
	Geography	Sayantani Mukhapadhyay	RC
	Sociology	Hasibul Rahaman	RC
	English	Samata Biswas	RC
2012-13	Physics	Uday Das	OP
	Physics	Himanshu Barman	OP
	Geography	Atreya Paul	OP
	English	Kaustav Bakshi	OP
2013-14	Geography	Atreya Paul	RC
	Geography	Dr. Pijush Kanti Tripathi	RC
	Chemistry	Arup Kumar Adak	RC
	Sociology	Mahua Patra	RC
	Geography	Dr. Pijush Kanti Tripathi	OP (NSS)
	Chemistry	Dr. Arabinda Mandal	OP
2014-15	Economics	Dr. Tithi Bose	OP
	Physics	Uday Das	RC
	Physics	Himanshu Barman	RC
	Chemistry	Dr. Arabinda Mandal	RC
	Chemistry	Arup Kumar Adak	RC
2015-16	Physics	Titthankar Chaudhury	RC
	Geography	Bidyut Pramanik	RC
	Geography	Swapn Kumar Maity	OP
	English	Samata Biswas	OP
	Geography	Dr. Pijush Kanti Tripathi	RC
	Statistics	Tuhin Subhra Bhattacharya	AISHE Training Programme
	Sociology	Hasibul Rahaman	RC
	Education	Sipra Samanta	RC
	Mathematics	Dr. Dipankar Sadhukhan	RC
	Statistics	Tanmay Kumar Maity	RC
	Statistics	Tuhin Subhra Bhattacharya	AISHE Training Programme ,
2016-17	Economics	Dr. Tithi Bose	RC
	Economics	Soma Rani Karan	RC
	Mathematics	Dr. Monami Das Roy	RC

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

- (i) Teaching learning methods/approaches
- (ii) Handling new curriculum

- (iii) Content/knowledge management
- (iv) Selection, development and use of enrichment materials
- (v) Assessment
- (vi) Cross cutting issues
- (vii) Audio Visual Aids/multimedia
- (viii) OER's
- (ix) Teaching learning material development, selection and use

(i) Teaching learning methods/approaches:

Faculty training programmes like Refresher Courses and Orientation programmes are attended by different teachers to improve their innovative teachings skills. Also Workshops, Summer and Winter Schools empower and enable the teachers for the use of various tools and technology for improved teaching-learning. College grants them Duty Leave to provide encouragement.

(ii) Handling new curriculum:

Haldia Government College requests experienced teachers, active scientists and scholars to deliver special lectures as resource persons. Further, the college faculties participate actively in different seminars, workshops, refresher and orientation programmes *etc* to upgrade themselves to provide inputs to the students.

The postgraduate department of Chemistry has a course on green chemistry. This is due to an increasing demand of students and this will be very effective in connection with issues relating to the environment. Also this department deals with food preservative and food processing technique which will be useful for employment. The departments of Chemistry and Geography were eagerly equipped with some related tools and techniques to update themselves. Not only that, the departments have invited resource persons to exploit their expertise in the said fields of Chemistry, to accustom the teachers with new curricula of the said special papers for resolving both theoretical and practical problems, and have catered to the students according to their requirements.

(iii) Content/knowledge management: The different departments in the College often undertake academic programmes in collaboration with other academic institutions to felicitate Content / Knowledge Management.

- ❖ In 2016 the department of Chemistry organized a UGC sponsored national seminar on 'Recent Developments in Bio-active Molecules' in collaboration with Vivekananda Mission Mahavidyalaya, Rampur.
- ❖ In September 2015 the Physical Education department of our college organized a UGC sponsored national seminar on 'Modern Physical Education, Sports and Globalization' in collaboration with Bhattar College, Dantan.
- ❖ In March 2013 the Physical Education department of our college organized a UGC sponsored national seminar on 'Physical Education for Health, Wellness, Fitness and Social Integrity' in collaboration with Bhattar College, Dantan.

- ❖ In February 2013 the Geography department of our college organized a UGC sponsored national seminar in collaboration with the Sociology department of our college.

(iv) Selection, development and use of enrichment materials: The college has undertaken different modalities for selection, development and use of enrichment materials. Some of these measures are mentioned hereby.

- ❖ Almost all the departments have access to internet facilities and accordingly teaching resources are prepared and distributed to the students by the faculties using this IT enabled service.
- ❖ Faculties of different departments developed Microsoft PowerPoint presentations as a teaching aid while delivering lectures.
- ❖ In addition to the aforesaid devices, ICT Tools such as photocopiers, scanners, printers etc. contribute to better learning process. GIS software, microscope with photographic attachment *etc.* also help the cause of innovative learning. Student feedback system also helps to nurture the development of the new teaching aids across the departments.

(v) Assessment: (a) Through CAS for Promotion, (b) Assessment by the principal (confidential) to be submitted annually to the Directorate of Higher Education.

(vi) Cross cutting issues: NIL

(vii) Audio Visual Aids/multimedia: Faculties use audio visual aids/multimedia like projectors, sound system, and internet as a teaching aid and makes the students inclined more effectively towards the course curriculum.

(viii) OER's: None

(ix) Teaching learning material development, selection and use: Selected materials are provided

c) Percentage of faculty invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies:

Faculties participated in seminar/workshops

Characteristics	2011-12	2012-13	2013-14	2014-15	2015-16
Invited as resource persons in Workshops /Seminars/Conferences organized by external professional agencies	3	3	2	0	4
Participated in external Workshops / Seminars/Conferences recognized by national/international professional bodies	31	19	26	21	25

Presented papers in Workshops /Seminars/Conferences conducted or recognized by professional agencies	30	33	23	23	26
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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 industrial engagement etc.)

Haldia Government College being a government college, the policies/systems to recharge teachers are mainly processed through the Department of Higher Education, Government of West Bengal. Still the college aspires to nurture the research aptitude of the faculty. In context of Research grants, teachers have the opportunity to conduct Major and Minor Research projects funded by different bodies such as UGC, CSIR and ICSSR. Teachers have the opportunity to take study leave for Ph.D. or Post doctoral studies but that has to be sanctioned by the Higher Education Department, Government of West Bengal in conformity with leave rules as per Service Conditions.

Dr. Samata Biswas of the department of English was granted one year's FDP in 2014 for the completion of her Ph.D. research.

As a measure for support for research and other academic publications, different departments of the college publish their own special publication editions where the teachers publish their research works. In context of specialized programmes/Industrial Engagements the Officer-in-charge gives ready permission or forwards the application for permission in an urgent basis for the faculties to undertake specialized programmes and industrial engagement as resource person or consultant.

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.

Nil

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?

The feedbacks of the outgoing students are taken on a prescribed form by the IQAC of the college as a way for evaluation of faculties. Students are encouraged to offer their opinion freely. Thorough analyses of the forms are then done by the members of

the IQAC and by the senior teachers in presence of the principal and accordingly measures are taken. In addition to that in our college parent teacher meetings are held on a regular basis and any suggestion or particularly any criticism is taken into account from a very positive angle and efforts are then made to improve the teaching-learning quality for the next academic session.

Evaluation of teachers has been done by the 3rd Year students since 2011 – 2012 after their final internal assessment was over, where they could freely assess the performance of teachers of respective departments collectively. Only regular students (with 75% attendance) are allowed to do the evaluation. The feedback is analyzed by the principal and communicated to the teachers for introspection and improvement of the teaching 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?

The institution ensures that the stakeholders of the institution especially students and faculty are aware of the evaluation processes through a number of methods like Institutional Notification, Teachers' Council meetings, Departmental Faculties meeting, Academic Calendars, Teacher-students interactions and the Parent Teachers Meetings all of which happens at regular intervals.

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?

Haldia Government College is affiliated to Vidyasagar University, Medinipur. There are two levels of teaching programme in the institution. These are:

- Postgraduate level (regular and distance modes)
- Undergraduate level (Honours and General courses)

In the postgraduate level, the departments operate in semester system (1st, 2nd, 3rd and 4th over 2 year time span). Two subjects are offered in postgraduation which are Chemistry and Geography.

As per the guidelines of the university, the college has adopted the 1+1+1 method of evaluation for the undergraduate course, instead of the earlier 2+1 method. The evaluation process constitutes of theory and practical examinations at the end of each year conducted by the university in a centralized way. All the Honours subjects have 800 marks distributed over 3 years' time and the General subjects have 300 marks distributed over 2 years' time.

The pattern of questions varies from subject to subject according to their individual requirements.

The evaluation of practical examinations is conducted through laboratory experiments, field reports, project works; computer based practical tasks, instrumental survey techniques and viva voce. External examiners are appointed by the university for the purpose.

The university has also set rules for the conduct of Internal Assessments every year. Accordingly, the college holds 2 (two) tests every year for Honours students and 1 (one) every year for General students. These tests consist of papers having 10 marks. There are five questions in every paper having 2 marks each. These Internal Assessments contribute 10% of a student's marks to the final performance in the university examinations. (Each paper in the final examinations has 90 marks.)

The assessment system of the university at the undergraduate level as well as the postgraduate programmes in the college enables the students to compete and appear in entrance examinations of reputed international and national institutes of higher learning for postgraduate studies, NET / SET examinations, Ph.D. degrees and other service related public examinations conducted by bodies like UPSC, State PSC etc.

As aforesaid, for the postgraduate programmes, the institution runs the two year Master's course through a semester system divided into four semesters (1st, 2nd, 3rd and 4th), each of six months' duration. The evaluation reforms consist of the following:

An examination at the end of six months marking the completion of the Semester. Continuous laboratory experiments/assignments as mode of regular evaluation. Presentation of Term Papers through seminars, Preparation of Projects through collection and analysis of molecules and others specimens as and what is relevant for the individual departments. Preparation of a dissertation paper at the end of the 3rd and 4th semesters based on the projects allotted to individual students. They are also required to make Powerpoint presentations on relevant research topics. This enables the students to appear in NET, SLET, GATE, and other competitive, academic and professional examinations.

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?

The institution ensures effective implementation of the evaluation reforms of the university and those initiated by the institution on its own predominantly through notification of institutional Rules and Regulations through college website and prospectus.

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

To ensure that student assessment is continual and thorough, the college conducts regular class tests and Internal Assessments.

Formative Assessment is carried out by the evaluation of students through class tests, tutorial exercises, performance of the students in the class and students seminar etc.

Summative Assessment is carried out through:

- ❖ The Internal Assessments held at regular intervals every year for all students.
- ❖ The university examinations which are held annually in the UG Courses (1+1+1 Pattern) and semester wise (four semesters) in the PG courses.

On several occasions the heads of the departments encourage students to apply for review of answer scripts in support of the students' claim for higher grades. The students' past records in college examinations provide the heads of the departments with supportive data for such action. There have been instances when the observation of the departmental teachers has benefitted students.

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

The institution ensures rigor and transparency in the internal assessment and weightages assigned for the overall development of students through a number of modalities which are as follows:

- ❖ The college strictly maintains transparency in the internal assessment of students.
- ❖ The internal examinations are characterised by strict invigilation mechanism.
- ❖ The scripts at UG and PG are evaluated in strict conformity with the norms and ideals of student assessment. The teachers adhere to the pattern of evaluation prescribed by the University.
- ❖ Record of marks of internal examinations and class tests are maintained by respective departments and by the examinations-office of the college.
- ❖ The departments also organize paper presentations, group discussions, debate, quiz in order to extract the best from each student.
- ❖ Students also participate in different intra, and inter-college co-curricular and extra-curricular activities. Teachers usually judge intra-college competitions, which facilitates and encourages student-teacher bonds, as well as gives the

teachers added information on the students' abilities, thus providing greater scope for a holistic assessment.

- ❖ Further, the Disciplinary Committee of the Teachers' Council keeps a strict vigil on the rigour and transparency in regard to the internal assessment of the students.

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?

The graduate attributes of the college are specified in the stated goals and objectives of the college:

- ❖ To impart quality based higher education with an aim to acquire knowledge and develop critical thinking among the students. The questioning spirit and the urge to form original opinions are also at the top of the list of priorities.
- ❖ To develop responsible and sensitive youths on integration from diverse cultural, linguistic and religious groups who have social commitments and have an open, unbiased view of society.
- ❖ To create accountability within to ensure accountability to the society at large.

The college ensures the attainment of these by the students by the following ways:

- ❖ Providing a harmonious ambience within the institution where students can fulfill their potentialities.
- ❖ Making the students aware of the specific learning outcomes.
- ❖ Ensuring the basics of discipline among the students.
- ❖ Organizing and promoting value based lectures and discussions to sensitize the young minds of the necessity for value based education.
- ❖ Emphasizing co-curricular and sports related activities to inculcate the importance of holistic view of education among the students.
- ❖ Encouraging the students to participate in extension activities like organizing blood-donation camps, adoption of villages, community service etc.

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

In case of grievances regarding evaluation at the college level, following steps are followed:

- ❖ Answer scripts are shown to the students. The concerned teacher often explains to the students their weak points and ways for better performance.
- ❖ If not satisfied, the students may directly approach the Head of the Department with their grievance.

For redressal of grievances with reference to evaluation at the University level, following steps are followed:

- ❖ The students 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.
- ❖ Students can also approach the Controller of Examinations or the Vice-Chancellor for intervention on their part, with regard to any anomalies. The institution supports the students' cause in such cases.

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, the college has clearly stated outcomes in all the academic and co-curricular activities carried out every year. One of the missions of the college has been the all-round development of its students and to make them responsible and ideal citizens. At the academic level, the students are trained to excel in their studies and perform well in the university examinations and our results bear testimony to the institution's efforts in this regard. The college also aspires to transform each student to a level where they would be able to relate to our core values and uphold the same and therefore would be able to contribute constructively to social transformation.

- ❖ At the beginning of a year different departments prepare their teaching plans and share it with the students.
- ❖ Each department has its own vision and mission, unique to the respective disciplines. This is explained to the learner at the time of induction.
- ❖ The results of internal assessments are considered with careful attention. Apart from that, class tests are conducted on occasional basis results of which are brought to notice of the departmental students to make them aware of their performance and preparedness.
- ❖ The Career Counselling and Placement Cell of the college organizes various programmes and interactive sessions with different companies/groups so that the students get chance to fulfil their definite learning outcomes in form of initiating their careers. Notices are circulated to the staff and students regarding the schedule of these sessions and campus interviews, if any.
- ❖ In addition to that some value based educational programmes, lectures and awareness campaigns on various social issues like child rights, thalassemia, kala-azar, rights of the differently-abled people, gender sensitization, anti-ragging human rights, evil of AIDS etc. are organized to inculcate moral values within minds of the students and to make them aware of the issues.

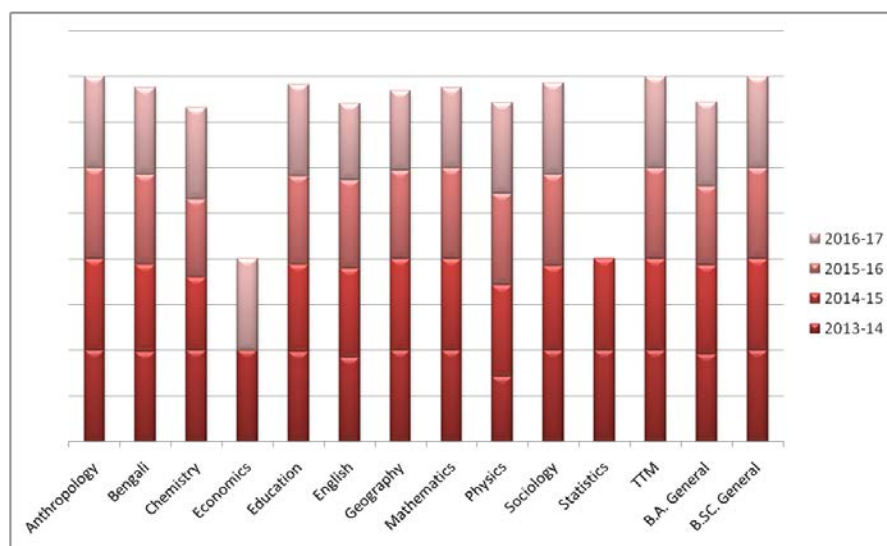
2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns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

This institution monitors the progress and performance of the students through the following mechanisms,

- ❖ Monitoring the performance of the students in the classroom interactions.
- ❖ Monitoring the performance of the students in the class tests/tutorial tests. In this regard, results of internal assessment are carefully monitored. After the declaration of university results, the same is displayed on the college notice board.
- ❖ Identifying the slow and advanced learners from the above mechanisms. Here, the teachers monitor the results of the students and tries to overcome any lacuna in the teaching-learning process in consultation with individual Departments.
- ❖ Feedback obtained in the Parents-teacher Meeting held annually in each department.

Table of subject-wise final results of last four years (pass percentages)

Subjects	2013-14	2014-15	2015-16	2016-17
Anthropology	100.00	100.00	100.00	100.00
Bengali	98.04	95.83	98.46	95.74
Chemistry	100.00	80.00	85.71	100.00
Economics	100.00	NA	NA	100.00
Education	98.53	95.31	97.53	100.00
English	91.67	97.83	97.44	83.33
Geography	100.00	100.00	96.77	87.50
Mathematics	100.00	100.00	100.00	87.50
Physics	71.43	100.00	100.00	100.00
Sociology	100.00	92.59	100.00	100.00
Statistics	100.00	100.00	100.00	NA
TTM	100.00	100.00	100.00	100.00
B.A. General	95.31	98.11	86.49	92.11
B.SC. General	100.00	100.00	100.00	100.00



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 institution has devised teaching, learning and assessment strategies to accomplish the stated outcomes of the pedagogic process.

Teaching Strategies

The teaching strategies followed in the college to realize the learning goals are to:

- ❖ Preparing teaching modules on specific topics included in the university syllabus and providing handouts to students.
- ❖ Preparing annual academic calendar in which the tentative examination schedule and the holiday list are mentioned.
- ❖ Employing creative teaching methodologies (especially ICT enabled) to impart knowledge, values and skills to attain the learning outcomes.

The following innovations are adopted by the institution for teaching and learning process:

(1) Use of participatory and innovative teaching-learning methodologies:

- ❖ Preparing teaching modules on specific topics included in the university syllabus and providing handouts to students.
- ❖ Giving different types of written assignments such as MCQ, short answer type questions etc. as per the guidelines provided,
- ❖ Demonstration of experiments in the laboratories.

(2) Use of Audio-Visual methods:

- Using Microsoft PowerPoint to prepare study materials and to complement lectures in classrooms.
- Using teaching aids like OHP, LCD projector, maps, diagrams, charts etc. extensively.

- Downloading and showing animations on selected topics.

(3) Application of different educational software .

- Student friendly softwares like MS Office, C language related softwares, Minitab, R, GIS etc. are liberally employed.
- Reference materials are made available to students in the form of PDF, etc. on a regular basis.

(4) Catering to student specific teaching needs:

- Individualized teaching modules are devised and remedial classes are taken to cater to the needs of weaker sections of Honours and General students in the concerned subjects.
- Study materials from reputed publishers like Sage, Routledge etc. are accessed, downloaded and distributed to students with the help of INFLIBNET NLIST. Study materials from different foreign universities are also distributed to the advanced learners.
- Student-centred teaching strategy is followed as far as possible.

Learning Strategies

The learning strategies are given below,

- Ensuring continuous learning throughout the course period,
- Encouraging research oriented learning practices and a research culture for postgraduate students,
- Creating ambience for discussions and sharing as a strategy for engaged and involved learning,
- Learning process includes classroom transactions, self-study and library linkage,
- Encouraging field visits and other such academic engagements by which the students develop their knowledge, consciousness on conservation and nature and social orientation,
- Learning through assignments, seminars, project works and practical sessions, through which the students acquire and develop skill in collecting, processing and presenting relevant data, and also develop dexterity in communication, co-ordination, planning, management and academic writing.

Assessment Strategies

- Continuous assessment gives clarity to the students on the areas to perform better and provides them with the opportunity to strategically integrate their efforts.
- Internal assessment, assignments, PowerPoint-presentation, surprise test, and university exams are the means of assessment strategies present in the college.

Institutional Structuring of Teaching, Learning and Assessment Strategies

The teaching learning and assessment strategies of the institution are planned, structured and monitored at different levels. At the college level, this is ensured by the Officer-in-charge. The respective department and the academic sub-committee are involved in the planning, structuring and monitoring of the strategies. Academic sub-

committee meets on occasion to support the learning activities of the different 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?

- In the introductory classes of any course, teachers make the new students aware of the social and economic relevance of the course and how the study of the courses can be economically and socially significant. They also explain the job opportunities and scope of further studies and research work in the respective subject.
- The UGC Funded Entry-in-Services course offers guidance to the students for qualifying in different competitive examinations.
- The Career Counselling and Placement Cell takes initiatives to inform the students about different career opportunities and arranging for on-campus recruitments:

Year	Date	Institute/Organization/Expert	Topic/Area
2011-2012	13.12.2011	Rajarshi Bagchi-EKOK Raja Chakroborty – EKOK	Enhancement of Communication Skill
	20.12.2011	Aditi Basu –Outech India Sharmila Guha – The Statesman	Content Development and Journalism
	10.01.2012	Rajarshi Bagchi - EKOK Raja Chakroborty – EKOK	Enhancement of Communication Skill
2012-2013	11.01.2013	Nikhil Roshan- Pritha Chakrabarti-	Journalism, Photography and Publishing
	22.01.2013	Debashis Bhattacharya-Career Counsellor	Career Opportunities
2015-2016	-----	Koushik Majumdar	Career Development and Importance of Communication Skills
	06.10.2015	WEBEL	Getting Ready for Industry
	Oct, 2015	CTS	One week workshop

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

- ❖ Each department maintains its data of the students' performance in college and university examinations. These data are analyzed and reviewed by the Academic Committee. If any matter requires general discussion, it is discussed in the Teachers' Council Meeting.
- ❖ In the departmental meetings, the performance of the students is discussed. Slow learners are identified and accordingly tutorial/remedial classes are arranged for them.

- ❖ The feedbacks from the Parent-teacher Meetings of each department are also collected and analyzed for the same purpose.

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

The college monitors and ensures the achievement of learning outcomes through the following ways:

- ❖ The departmental teachers constantly monitor the performance of the students.
- ❖ The Officer-in-charge and Academic Sub-committee of the college monitor the institutional learning outcomes.
- ❖ The Officer-in-charge of the college constantly interacts with the departmental heads as well as with individual teachers, to improve the quality of teaching process and increase the academic productivity. The Officer-in-charge also monitors the performance of individual teachers.
- ❖ The Academic Sub-committee makes suggestions to the departments regarding the effective way of teaching-learning. Assessment of formal and informal feedbacks from different stakeholders help the process of monitoring the teaching and learning system of the college.
- ❖ The Career Counselling and Placement Cell of the college and the departmental teachers give idea to the students about different openings of their subjects. Special attention is given to the PG students for preparations in NET/SET/GATE examination.
- ❖ The Career Counselling and Placement Cell also organizes various seminars, workshops and special lectures in this context.

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, the institution and individual teachers use assessment outcomes as an indicator to evaluate student performance, achievement of learning objectives and planning.

The institution and the faculty members assess the students on the basis of the internal examinations like internal assessment as prescribed by the university and other class tests/tutorial tests etc. After the evaluation of the answer scripts, the teachers show the evaluated answers scripts to the students pointing out the deficiencies of the answer. This helps the students to identify and consequently rectify their errors and achieve good performance in the university examination.

On the basis of the individual assessment of the students, the faculty members guide different students for different openings. Often advanced learners are groomed for advanced courses whereas slow learners are encouraged to elevate their academic level.



Smart Classroom



Field work of Bengali Department



Field Work : Department of Bengali



Seminar on International Language Day

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?

No, the college does not have any recognized research centre.

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 separate subcommittee was constituted to monitor and promote research activities of teachers since 2011. Young faculty members were encouraged to apply for research grants. Currently the committee comprises of the following members:

1. Himadri Mukhopadhyay
2. Manu Auddy
3. Shyamsundar Sahoo
4. Dipankar Pramanik
5. Nizamuddin Ahmed
6. Susmita Basu
7. Sk. Mithun
8. Saikat Kumar Manna

Recommendations:

- ❖ Young faculty members are encouraged to apply for different research projects mainly UGC Minor and Major research projects. The research proposals are reviewed by the members of the Research subcommittee before the final submission.
- ❖ The committee also recommends all the departments to organize seminars and workshops.

- ❖ To encourage young faculty members to register themselves for pursuing Ph.D.

Impacts:

- ❖ A good number of Minor and Major research projects of UGC had been sanctioned during last 5 years.
- ❖ Most of the faculty members have completed or are registered for pursuing Ph.D.
- ❖ A respectable no of seminars and workshops had been organised by various departments with the collaboration of other institutions during last five years.

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

- ❖ Fund sanctioned without delay
- ❖ Major infrastructural facilities are provided (Lab, library, computer lab, internet etc.)
- ❖ There is a research lab in Chemistry dept.
- ❖ Researchers can pursue their research work beyond college hours and on holidays
- ❖ Study leave for research are available
- ❖ On duty leave for attending and presenting papers in seminars
- ❖ Institutional support is provided to enable implementation of research schemes in the following ways:
 - Full autonomy is given to the Principal investigator for smooth conduct of the research project.
 - Funds sanctioned by the different agencies are released without delay as and when required by the researcher.
- ❖ The College provides major infrastructural facilities like library, laboratory, computer and internet facilities to pursue research activities. Central Instrument Facility containing sophisticated instruments are available (especially for Science departments) to researchers to carry out advanced investigations.
- ❖ Teachers in general are permitted to carry out their research work during summer and Puja vacations. Besides, one day per week is allotted for preparatory/research work. There is also a provision for Study Leave as per WBSR with prior approval from the Higher Education Department for completing research work. The teachers may also avail this facility under FDP scheme of UGC if required.
- ❖ Teachers who are pursuing M.Phil. / PhD and required to attend Course Work are provided with flexible working schedule. Duty Leaves are given to interested teachers who will present papers/participate in seminars and conferences.
- ❖ Laboratory facilities, equipments, Internet, LAN and other ICT enabled research support system, etc. are made available to researchers (details in Section 3.3).

- ❖ All research grants and expenditure are audited by qualified auditors of auditing firms. The final audit report and Utilisation Certificates are sent to the funding agencies in due time.

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

The major steps taken to enhance the research environment and scientific disposition among students are:

- ❖ Increase in Seminars expose students to greater interactions beyond the syllabi and develop their research acumen.
- ❖ Special Lectures by eminent academicians and researchers are organised in order to instil research interests in students
- ❖ Dissertations with viva-voce are mandatory in PG programmes. This ensures that each student has an opportunity to demonstrate their individual research aptitudes.
- ❖ Seminar Library sessions allow students to access important books and be guided towards important journals/books by their teachers. PG students, in particular are encouraged to read recent research papers.
- ❖ Departmental seminars, student seminars, science based contests, exhibitions; training programmes are regular features of both UG and PG programmes.
- ❖ Access of online journals through INFLIBNET
- ❖ Several UG and PG Departments offer special modules on interdisciplinary courses.
- ❖ The undergraduate course of Geography, Anthropology and Bengali incorporate Field Work where the students have to submit a Field Report working as a Team. This inculcates research orientation and interest among the UG students. Some of the places visited by the students of these Departments are given below:

Departments	Place of field work/excursion	Academic session
Geography	Kolaghat	2015-16
	Gangtok, Sikkim	2014-15
	Dooars, West Bengal	2013-14
	Uttarkasi, Uttarakhand	2012-13

	Vizag	2011-12
Anthropology	Tufanganj, Coochbehar	2015-16
	Gidhni, Paschim Medinipur	2014-15
	Gorabari, Mukutmanipur,	2013-14
	Dhogora, Bankura	2012-13
	Chowkdipa, Purba Medinipur	2011-12
Bengali	Santiniketan and Adjacent Area	2015-16
	Santiniketan and Adjacent Area	2014-15
	Santiniketan and Adjacent Area	2013-14
	Santiniketan and Adjacent Area	2012-13
	Santiniketan and Adjacent Area	2011-12

The postgraduate courses of Chemistry and Geography incorporated individual dissertation work for their M.A./M.Sc. students, which lay the foundation for research activity. The PG students are made to involve in various field work and data collection purposes in order to train them in some of the methodologies that are regularly used in research work.

Availability of about 50000 books (including old and rare books) in the library provides the students of the college the opportunity of having a treasure of knowledge. Access to online journals through INFLIBNET adds to this wealth.

Students are frequently sent to different quiz contests (on or off-campus), debates etc. related to their respective disciplines so that they acquire recent knowledge.

Students of some of the UG departments are also getting involved in various field work and project work as a part curriculum of UG syllabus.

Project works of the PG students of department of Geography:

Topic of Research	Name of student	Year	Supervisor
Morphological characteristics of Beach Dunes- A case study of Puri Sea Beach, Odisha, India	Deb Kumar Das	2016	Dr. Bidyut Pramanik
The present status of Blue Revolution in West Bengal : A case of Moyna Block, Purba Medinipore	Subhojit Barman	2016	Dr. Bidyut Pramanik
The origin and routes of water borne diseases in Midnapore Municipality Area: A geographical Analysis	Arpita Routh	2016	Dr. Bidyut Pramanik
The impact of What'sapp on lifestyle and education : A case study of college girls with special references to Haldia Govt college and Tamluk college, Purba Medinipore, West Bengal	Sikha Jana	2016	Dr. Bidyut Pramanik
The impact of Facebook on lifestyle and education : A case study of college girls with special references to Haldia Govt college and Tamluk college, Purba Medinipore, West Bengal	Sumita Adak	2016	Dr. Bidyut Pramanik
Uses and misuses of fertilizer and pesticide	Tanusri Manna	2016	Mr. Gopal Chandra Hembram
Present Socio – economic scenario of selected villages under Gopali Gram Panchayet, A case study	Rajdeep Bag	2016	Mr. Gopal Chandra Hembram
Growth and development of road transport network at Haldia, Tamluk, Nandakumar blocks and its impact on regional development and environment	Abhijeet Barman, Baneswar Adak, Kashiram Bera, Astapati Hembram	2016	Dr. Pijush Kanti Tripathi
Status of Muslim Women at Goghat 1 Block, Hoogly	Nurunneswa Khatun	2016	Dr. Pijush Kanti Tripathi
Problems of elementary education in Sahid Matangini C.D. Block	Hosanara Nasrin	2016	Mr. Sarbeswar Haldar
Morphometric Analysis of Netra river basin	Sudeshna Das	2016	Mr. Sarbeswar Haldar

Project works of the UG students of department of Economics:

Title of the Project	Year	Course	Supervisor
Economic Analysis Of Cashew Cultivation In Jhargram Block Of West Medinipur District :An Overview	2013	B.Sc Hons	Soma Rani Karan

A Case Study Of Adjacent To Haldia Government College; Special Focus on The Social Status, Education And Economic Background.	2013	B.A. General	Tithi Bose
A Case Study Of Adjacent To Haldia Government College; Special Focus on The relationship between age distribution, health condition, source of income and awareness.	2013	B.A. General	Tithi Bose
A Case Study Of Adjacent To Haldia Government College; Special Emphasis on income pattern, savings and borrowing habits, and asset possession.	2013	B.A. General	Tithi Bose
Impact Of Self Help Group on Women: A Study Of SGSY Participation In Purulia	2016	B.Sc Hons	Tithi Bose
Women And Right to Work: A Study Of Purulia In West Bengal	2016	B.Sc Hons	Tithi Bose

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.

Many faculty members have completed or have been pursuing a number of research projects during the last four year period. The details of the research projects are given in the following table:

Major Research Project:

Name of the Faculty	Subject(Title of Project)	Duration Year	Funding Agency	Grant Sanctioned	Grant Received
Shubhankar Samanta	Synthesis of naphthoquinone based natural product and its analogue by Heck and Michael reactions	2014-2017	DST	24,60,000/-	17,00,000/-

* Shubhankar Samanta has been transferred to Bidhannagar College on Feb, 2016 with this ongoing project.

Minor Research Projects:

Sl. No.	Name of the Faculty	Subject(Title of Project)	Duration Year	Funding Agency	Grant Sanctioned	Grant Received
1.	Suman Nath	Humanities & Social Science	2011-2013	UGC	129000/-	129000/-
2.	Samata Biswas	Humanities & Social Science	2011-2013	UGC	86500/-	65750/-

3.	Sanghamitra Ghosh (Gayen)	Humanities & Social Science (Investigate the relationship between acquisition of numerical skill, understanding of number operation are application of numbers to physical situation among lower pricing school children)	2011-2013	UGC	108000/-	79000/-
4.	Sushanta Kumar Manna	Science, Chemistry	2011-2014	UGC	166000/-	166000/-
5.	Jishu Naskar	Science, Chemistry	2011-2013	UGC	188000/-	111500/-
6.	Subhankar Samanta	Science, Chemistry	2012-2015	UGC	194000/-	194000/-
7.	Deepankar Das	Science, Mathematics	2012-2014	UGC	178300/-	178300/-
8.	Sharmistha Niyogi	Humanities & Social Science, Bengali	2012-2014	UGC	92000/-	81000/-
9.	Debajit Jha,	Humanities & Social Science, Economics	2012-2014	UGC	103000/-	61500/-
10.	Kaustav Bakshi	Humanities & Social Science, English	2012-2014	UGC	68183/-	68183/-
11.	Shyamsundar Sahoo	Science, Statistics	2012-2014	UGC	164000/-	127000/-
12.	Sayantani Mukhopadhyay	Science, Geography	2010-2012	UGC	106420/-	106420/-
13.	Hasibul Rahaman	Humanities & Social Science, Sociology	2013-2015	UGC	36900/-	36900/-
14.	Sujan Chandra	Science, Statistics	2015-2017	UGC	330000/-	258000/-
15.	Tanmay Kumar Maity	Science, Statistics	2015-2017	UGC	280000/-	2,37000/-

16.	Tithi Bose	Humanities & Social Science, Economics	2015-2017	UGC	210000/-	155000/-
17.	Dipankar Sadhukhan	Science, Mathematics	2015-17	UGC	375000/-	337500/-
18.	Ananya Chatterjee	Humanities & Social Science, Sociology	2016-2018	UGC	2,75,000/-	2,20,000/-

Many faculty members have acted as Resource persons in National/International Seminars and Conferences. The details are given in the Table below:

Sl. No.	Name of the Faculty Member	Type of Participation	Year/Date
1.	Dipankar Pramanik	Invited Speaker, National seminar on Nanoscience and Nanotechnology-2017, HIT, Haldia	Mar,2017
2.	Dipankar Pramanik	Invited Speaker, National seminar on Nanoscience and Nanotechnology-2016, HIT, Haldia	Feb,2016
3.	Dipankar Pramanik	Session Chaired, National seminar on Nanoscience and Nanotechnology-2016, HIT, Haldia	Feb,2016
4.	Shyamsundar Sahoo	Invited Speaker, International Conference on “Celebrating Statistical Innovations and Impact in a World of Big and Small Data”, University of Pune	December 20-24,2015
5.	Shyamsundar Sahoo	Chairperson, International Conference on “Celebrating Statistical Innovations and Impact in a World of Big and Small Data”, University of Pune	December 20-24,2015
6.	Shyamsundar Sahoo	Resource person, National Workshop on “Statistical Aspects of Advanced Measurement Modelling”, Applied Statistics Unit, Indian Statistical Institute, Kolkata	December 10-14,2012
7.	Pijush Kanti Tripathi	National Seminar at Ramnagar College, Purba Medinipur	October 8-10, 2013
8.	Pijush Kanti Tripathi	Resource Person at Career Counselling at Ramnagar College, Purba Medinipur	2012
9.	Pijush Kanti Tripathi	Resource Person at National Seminar, Panskura Banmali College, Purba Medinipur	2013

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.

Seminars, sensitizing programmes on issues related to health and environmental awareness and gender sensitization programmes are organized by various departments, the NSS Units and seminar committee of the college with focus on capacity building in terms of research and imbibing research culture among the different stakeholders. The following table shows the workshops conducted for capacity building and for imbibing research culture among faculty and students:

Organizing Dept.	Type	Theme	Eminent speakers	Funding Agency	Year/Date
Career Counselling Cell	Workshop	Workshop on Enhancement of Communication Skill	Rajarshi Bagchi-EKOK, Raja Chakraborty-EKOK	College	13 th December, 2011
Career Counselling Cell	Workshop	Workshop on Content Development and Journalism conducted by Outotech India and The Statesman	Aditi Basu-Outech India, Sharmila Guha-The Statesman	College	20 th December, 2011
Career Counselling Cell	Workshop	Workshop on enhancement of Communication Skill	Rajarshi Bagchi-EKOK, Raja Chakraborty-EKOK	College	10 th January, 2012
Career Counselling Cell	Workshop	Workshop on Print Media, Editing, Publishing	Nikhil Roshan Pritha Chakrabarti	College	10 th January, 2013
Department of Geography	State Level Seminar	Millenniums Development Goal and its impacts	Dipankar Jana Nirmalya Das	State Government	19 th January, 2013
Career Counselling Cell	Workshop	Career Opportunities	Debasish Bhattacharya	College	22 nd January, 2013

Gender Sensitization Cell Against Sexual Harassment	Seminar	‘Need for Equal Opportunity for Women’ - Few highlights	Madhumita Sen, Associate Professor in Sociology, Moulana Azad College, Kolkata	College	9 th March, 2013
Department of Physical Education	National Seminar	Physical Education for health, wellness, fitness and social integrity	Prof. Alok K Banerjee, Former VC, University of Kalyani; Prof. S. Bhowmik, University of Kalyani; Dr. S. Kutti; Dr. M. C. Ghosh, University of Kalyani; Prof. S. Mridha, University of Kalyani; Dr. D.K. Bandyopadhyay, Prof. K. Bandyopadhyay, University of Kalyani; Prof. S. Mondal, Visva-Bharati	UGC	22-23 March, 2013
Department of Geography & Sociology	National Seminar	Society, Economy and Development: Issues and Challenges”	Abhijit Mitra, Abhay Xaxa, Swatasiddha Sarkar, Pradip Bhowmik, S.A.H. Moinuddin	UGC	19-20 March, 2013
Department of Statistics	State level workshop	Applications and Career Aspects of Statistics	Ujjwal Kanti Manna Kaushik Maity Animesh Mondal Abhijit Mandal Sujan Chandra	State Government	7 th October, 2013
National Service	Workshop	Workshop on Legal aids services by	Ms. Suparna Ghosh, District	College	13 th February, 2014

Scheme		District Legal Aids Services Cell.	Legal Aid Officer		
Department of Statistics	Seminar	An Overview of Clinical Research: Career Opportunities in Biostatistics & SAS Programming	Kaushik Maity Shyamsundar Sahoo	College	31th October, 2014
Women's Cell & NSS	Seminar	Gender, Representation, Culture	Suman Nath Soumi De Ananya Chatterjee Samata Biswas	College	13 th August, 2015
Department of Physical Education	National Seminar	Modern Physical Education and Globalization	Prof. A.K.Uppal, LNIPE, Gwalior; Prof. S.K. Mishra, BCPE, Orissa; Prof. Alok K Banerjee, Former VC, University of Kalyani; Prof. S. Bhowmik, University of Kalyani; Prof. A.K. Mallick, BCKV, Kalyani; Prof. S. Mridha, University of Kalyani; Prof. A.K. Biswas, JU, Kolkata; Prof. A.K. Goon & Prof. S. Mondal, Visva-Bharati	UGC	3-4 September, 2015
Department of Chemistry	Departmental Seminar	Recent Trends in Chemistry: A Students Perspective	Brajagopal Bag Vidyasagar University	College Fund	8 th September, 2015

Women's Cell & NSS	Seminar	Celebration of Language day	Suman Nath Pritam Bandyopadhyay Gopal Chandra Hembram	College	February, 2016
Dept. of English	Departmental Seminar	Mapping the Vistas : Career Opportunities for Students of the English Honours Course	Meenakshi Krishnan Yashodeep Sengupta Poulomi Das Debashis Bhattacharya	State sponsored	21 January, 2015
Dept. of Chemistry	National Seminar	Recent Development in Bio-Active Molecules	Arabinda Chaudhuri, ICT-Hyderabad. Partha Sarathi Mukherjee, IISc-Bangalore. Debabrata Maiti IIT-Bombay Tushar Jana, University of Hyderabad Pradip Kumar Tarafdar, IISER-Kolkata Syed Sirajul Islam, Vidyasagar University Amiya Kumar Panda Vidyasagar University Subhas Chandra Bhattacharya Jadavpur University	UGC	4 th and 5 th August 2016
Equal Opportunity Cell	Workshop	Including the Excluded: Towards a more just society	Mohit Ranadip, S.A.H. Moinuddin, Dipyaman Adhikari, Suman	UGC	29 & 30 November, 2016

			Nath		
Dept. of Statistics	Seminar	Accelerating Science and Skilling for the Next-Generation of Jobs: A Global exposure	Dr. Susanta Tewari, Director, Terabundle Analytics Pvt.	College	1 st March, 2017

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

The faculty members of the college are actively involved in various aspects of research, namely, pre-doctoral research guidance, supervising student projects, dissertations, field studies, excursions and study-tours besides pursuing their own research projects. The prioritized research areas of some of the faculty members involved in research are given below which reflects the expertise in different fields.

Department	Sl. No.	Name of The Faculty	Prioritized research area
Department of Anthropology	1.	Bhubon Mohan Das	Population Health, Health Behaviour, Demography, Reproductive Health
	2.	Soumi De	Gender and Sexuality, Research Methodology
	3.	Pinaki Dey Mullick	Disaster Anthropology, Research Methodology , Anthropology of space
	4.	Mohan Chandra Dolai	Gerontology, Tribal Studies, Ethnography, Indian Cultural System Studies
	5.	Salil Kumar Dutta	Psycho-social Anthropology, Environment and disaster management anthropology
	6.	Madhuban Maji	Conch Shell and Artistic Anthropology
Department of Bengali	7.	Himadri Mukhopadhyay	Rabindra Sahitya and Indian Religion
	8.	Amit Patra	Kathasahitya

	9.	Amrita Ghoshal	Kathasahitya
Department of Chemistry	10.	Dipankar Pramanik	Drug and Gene Delivery, Cancer Biology
	11.	Uday Sankar Midya	Biophysical Chemistry
	12.	Khokan Samanta	Organic Synthesis
	13.	Sudipta Pathak	Synthetic Organic Chemistry, Reagent chemistry
	14.	Saikat Kumar Manna	Organic Synthesis, Supramolecular Chemistry and Molecular Recognition
	15.	Barnali Jana	Spectroscopy, Interaction of fluorophore with biomimetic environments
	16.	Monotosh Mondal	Inorganic Synthesis, Catalytic and magnetic property of inorganic complexes
	17.	Kankan Maity	Plant and Mushroom polysaccharide: structural characterization and biological activity, silver and gold nanoparticles of polysaccharide
Department of Economics	18.	Soma Rani Karan	Statistics and Econometrics
	19.	Tithi Bose	Decentralization and Rural Development Programmes in India
Department of Education	20.	Susmita Basu	Personality and Teaching
	21.	Sipra Samanta	Right to education act, 2009
	22.	Nizamuddin Ahmed	Tribal education
	23.	Kamala Kanta Kar	Environmental Education, Mental Hygiene
	24.	Anindita Pramanik	Educational Technology, History of Education
	25.	Debabrata Samanta	Vocational Guidance and Counselling
Department of English	26.	Manu Auddy	Victorian Literature, Indian Writing in English

	27.	Pritam Bandyopadhyay	Teaching of English Literature
	28.	Srimanta Das	Victorian fiction, Domesticity in 19 th Century British Literature
	29.	Soumya Kanti Ghosh	American Literature
Department of Geography	30.	Pijush Kanti Tripathi	Urban Geography, Agricultural Geography, Cartography
	31.	Bidyut Pramanik	Medical Geography, Happiness Studies, Climatology
	32.	Sarbeswar Halder	Hydrology, Geomorphology
	33.	Gopal Chandra Hembram	Economic Geography, Climatology
	34.	Sk. Mithun	Urban Geography, Regional Planning, Remote Sensing
Department of Mathematics	35.	Dipankar Sadhukhan	Advance Mathematical Ecology
	36.	Monami Das Roy	Operational Research
Department of Physics	37.	Tirthankar Chowdhuri	Electronics
	38.	Niladri Sekhar Mondal	Condensed Matter Physics(Theory)
	39.	Debolina Das	Condensed Matter Physics(Experiment)
	40.	Aloke Sinha	Gravitational Physics
Department of Physical Education	41.	Sushanta Pal	Biomechanics
Department of Sociology	42.	Hasibul Rahaman	Sociology of religion and sociology of environment
	43.	Sumana Goswami	Sociology of religion
	44.	Ananya Chatterjee	Sociology of Culture and Gender
	45.	Rajdeep Sunar	Development and Displacement

Department of Statistics	46.	Shyamsundar Sahoo	Biostatistics, Statistical Inference and Regression Modelling
	47.	Sujan Chndra	Inventory Modelling
	48.	Sibshankar Karan	Non parametric Inference
	49.	Tanmay Maity	Neural Networks, Machine Learning
	50.	Tuhinsubhra Bhattacharya	Applied Probability, Asymptotic Inference.
Tourism and Travel Management	51.	Soumen Mullick	Tourism Management, HR and Enterepreneurship
	52.	Anirban Sau	Tourism Management, Marketing and Operation
Library	53.	Lakshmi Narayan Maiti	Reading Habits, Rural Development

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

The Institution frequently organizes Seminars and Symposiums where a good number of eminent faculty members and researchers from different institutions of repute have visited as Resource Persons and Invited Speakers. Details are given in the following table.

Sl. No.	Department	Eminent Academicians/ Scientists/Visitors	Affiliation	Purpose of visit	Year
1.	Chemistry	Dr. Sanjoy Samanta	Research Associate, University of Massachusetts, Worcester, USA	Special Lecture	2016
2.	Chemistry	Dr. Sushovan Paladhi	Postdoctoral Fellow, Sungkyunkwan University, Republic of Korea	Special Lecture	2016
3.	Chemistry	Dr. Arabinda Chaudhuri	Chief Scientist, Biomaterials Group,	Invited Speaker in	2016

			CSIR-IICT, Hyderabad	National Seminar	
4.	Chemistry	Dr. Partha Sarathi Mukherjee	Dept. Of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore	Invited Speaker in National Seminar	2016
5.	Chemistry	Dr. Debabrata Maiti	Dept. Of Chemistry, IIT-Bombay	Invited Speaker in National Seminar	2016
6.	Chemistry	Dr. Tushar Jana	School of Chemistry, University of Hyderabad	Invited Speaker in National Seminar	2016
7.	Chemistry	Dr. Pradip Kumar Tarafdar	Dept. Of Chemistry, IISER-Kolkata	Invited Speaker in National Seminar	2016
8.	Chemistry	Dr. Jishu Naskar	Kalyani University	Special Lecture	2015
9.	Chemistry	Dr. Brajagopal Bag	Dept. Of Chemistry, Vidyasagar University	Invited Speaker in Departmental Seminar	2015
10.	Chemistry	Dr. Subhas Chandra Bhattacharya	Dept. Of Chemistry, Jadavpur University	Special Lecture	2015, 2016
11.	Chemistry	Dr. Jishu Naskar	University of Kalyani	Special Lecture	2015
12.	Chemistry	Dr. Samad Hossain	Group Leader, Invictus Oncology, New Delhi	Special Lecture	2015
13.	Chemistry	Prof. Syed Sirajul Islam	Vidyasagar University	Invited Speaker in National Seminar	2016
14.	Chemistry	Prof. Amiya Kumar Panda	Vidyasagar University	Invited Speaker in National Seminar	2016
15	Geography	Dr. Nirmalya Das	Assistant Professor, Panskura Banomali College	Special Lecture	2013

16	Geography	Dr. Soumendu Chattapadhyay	Assistant Professor, Vidyasagar University	Special Lecture	2013
17	Geography	Dr. Nilanjana Das	Assistant Professor, Vidyasagar University	Special Lecture	2013
18	Statistics	Dr. Abhijit Mandal,	Visiting Scientist, Indian Statistical Institute, Kolkata.	Invited Speaker in State Sponsored seminar	2013
19	English	Dr. Meenakshi Krishnan	Associate Professor of English, Barrackpore Rashtarguru Surendranath College,	Invited Speaker in State Sponsored seminar	2015
20	English	Yashodeep Sengupta	Senior Sub-editor, The Telegraph	Invited Speaker in State Sponsored seminar	2015
21	English	Poulomi Das	PhD Research Scholar, Jawaharlal Nehru University, New Delhi.	Invited Speaker in State Sponsored seminar	2015
22	English	Debashis Bhattacharya	Eastern Zonal Campaigner, Community Radio Station, Government of India.	Invited Speaker in State Sponsored seminar	2015
23	Sociology	Prof. P. K. Bhowmik	IIT, Kharagpur,	Invited Speaker in UGC sponsored national seminar	2013
24	Sociology	Dr. S. S. Sarkar	North Bengal University	Invited Speaker in UGC	2013

				sponsored national seminar	
25	Sociology	Abhay Xaxa	Research Scholar, JNU	Invited Speaker in UGC sponsored national seminar	2013
26	Sociology	Prof. Abhijit Mitra	Burdwan University	Invited Speaker in UGC sponsored national seminar	2013

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?

As employees of Government of West Bengal, our teachers are not entitled to Sabbatical leave. However, they make optimal use of Summer and Puja vacations, Winter recess, holidays and preparatory days for pursuing their research.

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)

The Department of Chemistry has tested the pH of water sample from different fisheries of Purba Medinipur and South 24 Parganas district which help fishermen to cultivate prawns which are extremely pH sensitive.

The Department of Chemistry has tested Haemoglobin levels of the girl students of the college and in consultation with medical practitioners advised the anaemic students to take IRON tablets.

The NSS team of the college organizes health awareness programme among the common people, Literacy Programme, Legal Aids to Women through visit to local community (Sukanta Colony, Gandhi Colony, Haldia)

Geography Department organized field study in Mahishadal block, Purba Medinipur District for health and sanitization awareness.

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.

The Higher Education Department, Government Of West Bengal does not allocate any separate designated budget for research programme in the affiliated government colleges. However, many motivated faculty members of our college run research projects which are funded by different national or state agencies like UGC, DST, and CSIR etc. The college provides infrastructural and other facilities for the smooth run of these research projects. Apart from the funds from national agencies, a fraction of the Plan Expenditure of the State Govt. and Development Grant of UGC are utilized for purchasing sophisticated equipments which are used for research and development purpose in addition to the requirement of the curriculum. The teachers, who act as the Principal Investigators of these research programmes, use all these infrastructural facilities of the college which include library, instruments, laboratory, computer, internet etc. Detailed budgetary report is furnished in Criterion VI, *Section 6.4.3 and 6.4.4.*

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?

The Institution is a Government College under the Higher Education Department, Govt. Of West Bengal and bound by the West Bengal Financial Rules. Under this circumstance there is no provision for providing seed money to the faculty members to carry out research programme.

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

The institution is a government college and financially not autonomous, hence it is difficult to provide financial help to support research projects by students. However, the college provides all possible infrastructural support to the researchers which include library facilities, computer laboratories with internet connections, separate research laboratory space for conducting research projects. Post Graduate departments manage some amount of funds from miscellaneous source to carry out the dissertation/research works/project works which are included in their regular course curriculum.

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

The institution has a primary goal to develop an atmosphere of inter-disciplinary exchanges.

- The Post-Graduate Department of Chemistry invites different faculty members from the Physics Department to deliver lectures in specified areas.

Department and Course	Academic Year and Semester	Faculty members from other Department	Other Department	Topic of lectures
Chemistry (M.Sc.)	2015-16 (Semester-I)	Dr. Keya Bose	Physics	Solid State Chemistry
	2015-16 (Semester-II)	Ms. Debolina Das	Physics	Nanotechnology

- The Faculty members of the Postgraduate Department of Geography frequently interact with the faculty members of the Departments of Chemistry for water and soil sample analysis. A few examples of inter-disciplinary research are given in the Table below.

Main Supervising Faculty with Department	Title of Project with Year	Name of Student(s)	Name of Assisting Faculty with Department	Nature of Assistance
Sarseswar Haldar	Testing and Analysis of Soil Sample	Moumita Mal, Giridhari Adhikari, Palash Nandi, Satyasadhan Bera	Sk. Mithun	Preparation of Reagents and solutions
Pijush Kanti Tripathi	Determination of Physiochemical and Chemical Properties of Soil and zonation of Soil Map	Sumana Malakar, Arpita Rout, Abhijit Barman, Subhajit Barman	Sarseswar Haldar	Preparation of Reagents and solutions

- ❖ From this academic session students of M.A. /M.Sc. (2nd Semester) have to take a course of 50 marks in other allied department to fulfil the requirement of their degree (CBCS).
- ❖ The Physics and Anthropology departments interact with the Chemistry department frequently in order to carry out different experiments of the undergraduate level.
- ❖ . Organizing collaborative Seminar/workshops on inter-disciplinary themes.

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

Heads of different science departments and project leaders take responsibilities for optimal use of every instrument under them. Log books are maintained for proper use and maintenance of the instruments. Faculty members/students have to approach the head of the department to get access of an instrument belong to the corresponding department. Faculty members/research scholar from other institute also approaches to head of the department to get access UV-Vis spectrophotometer, fluorimeter, rotary evaporator etc.

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.

The Institution has received many special grant or finances from beneficiary agencies like UGC, DST-FIST etc. for developing research facility. However the college do not receive any financial assistance from any industry. Details are given in section 6.4.4 and 6.4.3

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.

The College Research Project Committee and the college administration extend full support to the faculty members in getting grants from funding agencies for pursuing their individual research projects right from the proposal writing cum submission stage till the completion of the project as discussed in detail in Section 3.3.2. The details of ongoing and completed projects and grants received during the last four years have been given in Table

. **Details of the Research Projects is given in section 3.1.5**

3.3 Research Facilities

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

The institute has separate research laboratories in Chemistry, Physics, Geography, Mathematics, and Statistics departments.

The Chemistry department has sophisticated instruments like UV-VIS spectrophotometer, Fluorimeter, Rotary Evaporator, Cold water circulator, UV Chamber etc.

The Physics department has Planck's constant set up, Band Gap set up, Electromagnet, e/m set up by Thompson's method, Prism Setup, Cathode Ray Oscilloscope etc.

The Anthropology department has sophisticated instruments like Anthropometer, Sliding Calliper, Spreading Calliper, Pelvimeter, Cubic craniphore, Human Skeleton (5 in number), Human Skull (15 in number), Different type of rocks, Prehistoric stone tools, different type of cast material etc.

- ❖ The Geography department has Theodolite, Global Positioning system, Prismatic compass, Barometer, Soil testing kit, Clinometer etc.
- ❖ Separate Computer Room with Internet Facility in Chemistry, Geography, Physics, Mathematics, Statistics, Anthropology, Sociology, English, Bengali, Education.
- ❖ A separate General Library housing more than 40000 books and 32 journals.
- ❖ Access to research journals through INFLIBNET has been made available to teachers.
- ❖ Separate Seminar Libraries in all departments.

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 institute has set up different academic and administrative sub-committees like

- ❖ "UGC", "Research Project Committee", "Seminar", "Library", and "Building Committee" work together to cater to the separate needs of the researchers.
- ❖ The sub-committees work individually and also cooperatively to chalk out plans for upgrading and creating new infrastructural facilities to meet the new and emerging areas of research.

- ❖ The UGC sub-committee monitors the funds sanctioned by UGC for the college, Minor and Major research projects.
- ❖ DST-FIST sub-committee monitors the funds sanctioned by DST-FIST.
- ❖ The “Building Committee” in consultation with PWD department, Govt. of West Bengal put proposal to State Govt. for construction and /or renovation of buildings and electrical fittings.
- ❖ The Research Project sub-committee encourages the Faculty members of various academic departments to undertake research projects.
- ❖ The “Library” sub-committee subscribes to new books, journals and e-journals keeping with the demands of the research scholars in both UG and PG departments.
- ❖ The scholars get access to e-journals through INFLIBNET.
- ❖ The remaining sub-committees provide additional support necessary to meet the needs of the researchers.
- ❖ The college ensures uninterrupted electric supply by setting up a special transformer and maintaining a generator.
- ❖ Expanding hostel and canteen facilities to help students to conduct research and project work at the PG level beyond normal hours.
- ❖ In addition, the college encourages the faculty to participate in Faculty Development programmes like Orientation Programme, Refresher Course, Seminar, Workshops, Symposium, Conference, etc. to stay up-to-date with the new and emerging areas of research.

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.

The college has received several special grants from UGC, DST-FIST, and State Government for developing research facilities. The major instruments and facilities created during last four years are given below.

Sl. No.	Departments	Name of the instruments/facility	Amount	Funding Agency
1.	Department of Chemistry	Spectrofluorometer	Rs. 16, 84,448	UGC
2.	Department of Chemistry	UV-VIS spectrophotometer	Rs 31,43035	DST-FIST & State Government

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

Students of the under Post Graduate level for their field studies and for their dissertation works (prescribed under the course curriculum of Vidyasagar University) and, in some cases also the Under Graduate students, visit different organizations for procurement of relevant data/information. A few examples are given in section 3.1.4.

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

- ❖ The Central Library of the College houses 33,917 text books, 5406 reference books and 10816 journal books, 50 CD/DVD and 01 digital database.
- ❖ Access to research journals through INFLIBNET is available.
- ❖ It contains reading room for the researchers.
- ❖ There are 4 desktop computers connected through LAN and 1 printer in the Library.
- ❖ There are separate Seminar Libraries in each department.

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.

Although the institute does not have such facilities at present, different academic departments in the college are constantly negotiating with other institutions like IACS, Vidyasagar University etc. to develop such facilities in the college campus.

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): Nil

Dr. Dipankar Pramanik, Department of Chemistry has three (03) patents during his Ph.D., Post-Doc. and industry tenure. One of the patents has been commercialized.

Original research contributing to product improvement: Nil

Research studies or surveys benefiting the community or improving the services

Departments	Research Study/Survey	Benefit to the community/ improving services
Chemistry	pH of water sample	Prwans cultivations in local fisheries

Chemistry	Haemoglobin Testing	Detection of anaemic girls students
Geography	Soil testing	Benefit to the local farmers

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?

No, the institute does not have any research journals which are published regularly. However, the institute publishes seminar proceedings volume every time when it organizes national level seminars.

Year	Name of the Proceedings	Editorial Board	ISBN
2016	Recent Development in Bio Active Molecules	Dr. Dipankar Pramanik Dr. Sudipta Pathak Dr. Khokon Samanta Mr. Uday Sankar Midya Dr. Saikat Kumar Manna Dr. Barnali Jana Mr. Monotosh Mondal Dr. Kankan Kumar Maity	978-93-5267-195-3
2015	Proceedings of National Seminar on Modern Physical Education, Sports and Globalization	Dr. Biswajit Bhunia	978-93-84667-06-1
2015	Society, Economy and Development: Issues and Challenges	Prof Abijit Mitara Prof. Bijoy Behari Som Prof. S.N. Tripathi	978-81-93249-96-3

2013	Physical Education for health, wellness, fitness and social integrity	Dr. Biswajit Bhunia	-
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3.4.3 Give details of publications by the faculty and students:

During the period from 2011-2016, the total number of publications by all faculty members (serving this college) and students comprising papers published in peer and non-peer reviewed journals, monographs, chapter in books and books with or without ISSN/ISBN No. is 121. Within this period a large section of the faculty has been transferred out to other colleges, as well as, many teachers have been transferred into or been freshly posted to this college. The list of publications of faculty members during 2010-2016 (including all transferred faculty members) has been summarized in the following Table:

Total year wise publication of the College	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total
No. of papers published in peer reviewed journals (National/ International) by faculty and students	25	26	20	29	21	121
No. of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete,						

Dare Database - International Social Sciences Directory, EBSCO host, etc.)						
Monographs						
Chapter in Books	6	1	4	8	0	19
Books Edited					7	
Books with ISBN/ISSN numbers with details of publishers						
Citation Index						
SNIP						
SJR						
Impact factor						
h-index						

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.

Sl. No	Name of the Faculty	Department	Research Award received/ Recognition received from reputed professional bodies and agencies, nationally and internationally
1.	Pinaki Dey Mullick	Anthropology	Gold Medalist for being First Class First in M.Sc. Examination, 2016 in Anthropology, University of Calcutta.
2.	Pinaki Dey Mullick	Anthropology	Bishnu Ava Memorial Prize from Narasinha Dutt College, Howrah.
3.	Soumi Dey	Anthropology	Bishnu Ava Memorial Prize from Narasinha

			Dutt College, Howrah.
4.	Himadri Mukhopadhyaya	Bengali	Gold Medal, 1 st in M.A. final exam, University Of Burdwan-1985-87.
5.	Amrita Ghoshal	Bengali	Arun Sarkar Memorial Medal & Prof. Haraprasad Mitra Memorial Prize for obtaining highest marks in Bengali Hons. exam, Presidency College, 2008
6.	Amrita Ghoshal	Bengali	Dipak Chandra Ghosh Memorial Prize, BibhutibhushanBandyopadhyay Prize, Ashutosh Mukherjee Memorial Prize, Prof. Amulyadhan Mukherjee, Bani Basu Memorial Prize, for obtaining highest marks in Bengali Hons. exam among college students, Presidency College, 2009
7.	Amrita Ghoshal	Bengali	Kamala Bala Pal Studentship, First in the M.A. (Part-1) exam, University Of Calcutta, 2010
8.	Amrita Ghoshal	Bengali	Dr. Pratap Chandra Chunder Award, 1 st in M.A. final exam.,Sadinama, 2011.
9.	Amrita Ghoshal	Bengali	Gold Medal, 1 st in M.A. final exam, University Of Calcutta, 2017.
10.	Barnali Jana	Chemistry	Gold Medal from Vidyasagar University for securing 1 st class 1 st in B.Sc.(H)
11.	Barnali Jana	Chemistry	Gold Medal from Vidyasagar University for securing 1 st class 1 st in M.Sc.(Chemistry)
12.	Dipankar Pramanik	Chemistry	During postdoctoral research at Johns Hopkins University, USA one patent have been commercialized and Dr. Pramanik received `USD 2000 as share.
13.	Sumana Goswami	Sociology	First place with first class in Post Graduate Examination at the University of Kalyani.
14.	Sumana Goswami	Sociology	Young Sociologist at a conference of Indian Sociological Society in 2005.
15.	Tuhinubhra Bhattacharya	Statistics	Awarded First in 1 st Class in UG course of Statistics (Hons.) by Vidyasagar University (2004)

3.5 Consultancy

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

Different departments of the College plan industry visits and educational tours from time to time. Such visits are very much in the curriculum of the Post Graduate Departments; additionally, some of the UG Departments have also conducted study tours so that the students get exposure to relevant industries or laboratories. A few examples are given below.

- ❖ The Post Graduate students of semester-III from Department of Chemistry visited Linde India Ltd, Uluberia, WB on January, 2017.
- ❖ The undergraduate students visited Solid Waste Management Project, Itamagra Gram Panchayet, Purba Medinipur on October, 2016.

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

All the faculty members of the institution are free to provide consultancy services on an honorary basis since they belong to the rank of Gazetted Officers (Group–A) in West Bengal Education and Senior Education Services (WBES, WBSES). No extra effort is made to advocate and publicize their expertise. However, their expertise being widely known through various sources like the college website, various organizations /institutes avail of their services frequently on honorary basis.

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

The IQAC and Research committees of the institution always encourage the faculties to extend consultancy service. They are provided with On-Duty Leave, if required, for offering their service. There is no scope for obtaining financial revenue for the institute as it is a full-fledged Government Institute under the Department of Higher Education, Govt. of West Bengal. However, keeping the social commitment in mind, the institute always promotes different consultancy services by the teachers free of cost to different agencies when approached.

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

Nil

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?

Since as a government employee no Faculty member can earn revenue from consultancy service, there is no question of sharing the income generated through consultancy.

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?

Haldia Government College organizes various programmes throughout the year to promote institution-neighbourhood-community network.

The NSS wing of the college started functioning in 2002 and has been an active body ever since. At present, the Institution has two strong NSS units: NSS Unit I and NSS Unit II coordinated by Mr. Bhuban Mohan Das and Dr. Tithi Bose respectively. The units are involved in various community works around the year for the betterment of the neighbourhood and the holistic development of the students. Student volunteers of NSS units are also involved in different community services contributing to good citizenship. In the session 2011-12, 2012-13, 2013-14, 2014-2015 and 2015-16, the NSS organized the following events:

Details of NSS activity year wise

NSS Unit of Haldia Government College adopted a slum, Sukantanagar, about 1 km from the college premises in 2011. The activities in the session 2011-12 undertaken by the NSS Unit were:

- ❖ Community Health and hygiene awareness drive in collaboration with the doctors of Sub-Divisional Hospital, Haldia and Lions' Club , Durgachak.
- ❖ Creating pollution awareness amongst the slum dwellers.
- ❖ Promoting literacy campaigns with the help of the NSS volunteers.

Also, students have participated in the following events:

- ❖ Pre-Republic Day celebration zonal camp at Bhubaneswar which is a national level camp (2 boys and 1 girl).

- ❖ Pre-Republic Day celebration State level camp at Kolkata
- ❖ One girl has participated in a national level camp in Manali at Atal Behari Mountaineering Institute.

In session 2012-13 the NSS Units of Haldia Government College organized a Special Camp in the adopted slum areas on “General Health Awareness Creation”. The following aspects were covered:

1. Thalassemia detection
2. Blood donation
3. HIV awareness
4. Legal awareness
5. Road safety awareness

Again in 2013-14, the NSS units organised a special camp in the adopted slum areas on “Legal Awareness Generation” which covered the following aspects:

1. Social audit
 2. Para legal training
- And also some activities related to health has been organised

1. Thalassemia detection camp
2. Blood donation camp
3. HIV awareness camp

In 2014-15, the NSS units of the college organized a special camp in the adopted slum areas on “Life style Management Awareness” which covered the following aspects:

1. Social audit
2. Para legal training
3. Thalassemia detection camp
4. Blood donation camp

In 2015-16, the NSS units of the college could not organise any special camp year, however the NSS has organised the following extension activities:

1. World AIDS day rally and awareness generation initiatives at nearby slum areas.
2. Anti-Drug (Substance abuse) rally in collaboration with Haldia Police Station.
3. Thalassemia detection camp (two in number) in collaboration with Thalassemia Society of Midnapur district.
4. Investment awareness generation programme in collaboration with Securities and Exchange Board of India.
5. Seminar on “International mother language day: History, tradition and legacy” organized by NSS along with cultural programmes by the students to celebrate International Mother Tongue Day.
6. Seminar on “Violences: Everydayness and Extraordinary” in an attempt to foster notions of gender equality.

7. The NSS units have started a blog to disseminate information related to NSS activities of the college (url: <http://nsshgc.blogspot.in/>).

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

The college has several bodies like NSS unit-I and unit-II, Sports Committee, Cultural Committee constituted with different departmental faculty members to supervise the students' activities inside and outside the campus. The teachers always guide and accompany the students in their involvement of various social movements and activities for promoting citizenship role.

During electoral roll preparation, the college administration and District Administration jointly organize dedicated camps for college students to enrol new voters.

College NSS units (I and II) are guided by two college teachers who are wholeheartedly involved with the students in different social activities.

various committees like Cultural Sub-committee, Seminar Sub-committee work together and exchange ideas with students to work out fruitful method of promoting Institution-neighbourhood-community network.

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

The institution gives immense importance to the stakeholders' perceptions on the performance and quality of the institution.

As part of the Internal Quality Assessment, the final year UG and PG students are asked to fill feedback questionnaires on teaching-learning process and infrastructural support of the college. This feedback is considered and evaluated by the respective departments in order to enhance the teaching-learning process and incorporate the valid suggestions of the students.

Feedbacks and valuable suggestions from the parents are taken through "Parent-Teachers' Meet" at regular intervals in each department. This process is very helpful to understanding the parents' views on the performance of the institute.

Our institution has an Alumni association and the institute takes feedback from alumni members through meeting with alumni association to upgrade the teaching-learning process.

Our college runs Remedial classes after the scheduled classes to help the weaker section of the students.

Teachers' Council Meetings are held regularly to take important academic decision and to resolve different academic issues for smooth running of the college.

The Governing Body of the college consists of teaching and non-teaching staff representatives, General Secretary of Students' Union and Government nominee. They participate actively in discussions regarding performance and quality related matters pertaining to the functioning of the College.

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.

Our Institution encourages the students and teachers to organize and take part in various Outreach programmes. Students are encouraged to communicate with the local community people to understand their problems and camps are organized by the NSS team to serve the society.

The budgetary allocations of our NSS programmes are as below:

Session	NSS Unit-I		NSS Unit-II	
	Normal Grant	Special Grant	Normal Grant	Special Grant
2011-12	22500/-	22500/-	22500/-	22500/-
2012-13	22500/-	22500/-	22500/-	22500/-
2013-14	22500/-	22500/-	22500/-	22500/-
2014-15	22500/-		22500/-	
2015-16	22500/-		22500/-	

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?

Students are always encouraged by our motivated faculty members to join NSS and NCC. The students' representatives of our Students' Union and departmental heads campaign in the classes to voluntarily join the social services.

Two faculty members act as Coordinators of NSS units (I and II) and always communicate with the students to ensure their greater involvement.

One faculty member (Mr. Mohan Chandra Dolai) acts as Coordinator of NCC unit and is involved with the students who conduct different activities like Independence Day celebration, Republic Day celebration etc.

Teachers are also motivated by the Principal to join the NSS camp and make the extension activities meaningful.

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?

In spite of its manifold academic commitments, Haldia Govt. College also takes into consideration the problems and necessities of the differently abled students of this college. According to the norms and guidelines of UGC, the college has constituted the 'Equal Opportunity Cell' for providing and monitoring the necessary support system to the students with special needs. The college also ensures barrier-free environment for students with special learning needs and assures them equal opportunities and full participation in regular teaching-learning process and similar co-curricular activities in the college premises. The above mentioned committee arranged several awareness programmes, seminar and discussions on inclusive-education.

1. Special lecture and discussion session with District Judge on “Awareness programme on Legal Aids for Women”.

This type of awareness programme helps the women in understanding the laws available to protect them in different adverse condition of society.

2. Workshop on “Gender Sensitivity and Sexual Harassment”.

This type of workshop helps to understand the types of sexual harassment occurs to both male and females.

3. UGC sponsored Two Days Workshop titled “Including the excluded: Initiatives towards a more just society”. This workshop discusses the problems faced by people with disabilities (both physical and intellectual) and the initiatives to include them in mainstream society.

On the whole, the college makes sincere endeavour to look after the facilities of the students with special needs by arranging for wheel-chair, building ramps etc. These efforts do not only reassure the differently-abled students but also reflect the sensitized atmosphere of the institution.

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 students of this college are involved in NSS and NCC activities.

Different outreach programmes, extension activities, social survey activities etc. enable them in communicating with different levels in society, which will help them to grow leadership quality, maintaining discipline in every aspect of life, make them sensitive towards social responsibilities, help them to grow the spirit of social service.

These programmes will contribute to the process of nation building.

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 participating in its activities?

The Institution is an exemplary centre of excellence in the region which imparts along with academic instructions to its students, the fundamental values of life.

The NSS units of the college organize special camps in nearby villages. Popular lectures in local languages and health camps attract local people to the camp where students and teachers interact with them.

Students are encouraged to clean the college and the surrounding area. They also organize “Plastic free” drive campaigns not only within the college campus but also in the neighbouring locality. During this campaign they collect and get rid of all plastic materials which are less than 40 microns thick. The students also try to convey to the local people the harmful effects of reusing thin plastic sheets and bottles.

Details of NCC and NSS activities of this college is summarised in the table below.

NSS activities

Date	Event /Activities
11.07.2013	Observation of World Environment day with Special talk on “Awareness on Preservation of Environment”
07.07.2013	Seminar on “ Tree Plantation and Conservation of Forest”
15.08.2013	Celebration of “Independence day”
05.09.2013	Observation on Teachers’ Day Seminar on “ Role of Teachers in Higher Education: Present Day Issues”
08.09.2013	Observation of World Literacy Day and related activities to Spread Literacy
09.11.2013	Observation of National Integration Day seminar on National harmony: Present day Relevance
30.11.2013	Seminar on “Consumer Protection Act”
01.12.2013	Observation of World Aids Day and special talk on HIV/AIDS and its Prevention.
10.12.2013	Seminar on Human Rights
18.01.2014	Pulse Polio Immunization Programme special talk on “Immunization and Health”
26.01.2014	Celebration of ‘Republic Day’
06.02.2014	Special Camp on “Legal Awareness”

to 12.02.2014	
08.03.2014	Worlds Women Day and Seminar on Women Empowerment
07.07.2014	Observation of plantation week
13.07.2014	Special Talk on “Social Forestry, A forestation and Bio-diversity”
15.08.2014	Celebration of “Independence Day”
20.08.2014	A talk on “Significance of Satvabna Dibas”
05.09.2014	Observation of Teachers’ Day and a Seminar on “Role of Information and communication Technology in Higher Education”
02.10.2014	Special talk on “Communal Harmony”
29.11.2014	Blood Donation Camp and a Special Lecture on “Identification of Blood group and its importance”
01.12.2014	Observation of World Aids Day cum Awareness programme and Seminar on “Spread of HIV infected Diseases among the Truck Drivers and its Prevention”
18.01.2015	Programme on Pulse Polio Immunization Awareness Programme on “Child Immunization”
25.01.2015	Observation of National Voters’ Day and Awareness Programme on “Preparation of Citizenship for Better Future”
26.01.2015	Celebration of ‘Republic Day’
01.12.2014	HIV/AIDS awareness camp, volunteers before leave the college
02.12.2015	Volunteers participated in the Anti Drug Rally organized by Haldia Thana
14.11.2015	Chidren’s Day celebration
28.11.2015	NSS Volunteers in the neighbourhood of the college for Anti Drug campaign
02.03.2016	Students participated in the Thalassemia detection camp
22.03.2016	Celebrating International Water conservation day
19.11.2015	Celebrating World toilet day
03.03.2016	Celebration of International Mother Language day
09.03.2016	Seminar on International Women’s day in collaboration with District Legal Services cell
02.03.2016	A comparative assessment of Thalassemia detection camp – I
10.02.2016	A comparative assessment of Thalassemia detection camp, with targets and actual beneficiaries
07.02.2017	Cleaning and related activities
04.08.2016	Campus cleaning drive
12.08.2016 to 13.08.2016	Observing Aranya Saptaha : Tree Plantation and Garden fencing
29.08.2016	Tree Plantation in front of College
30.08.2016	Tree Plantation in College Ground ,
29.08.2016 to 04 0. 2016	Cleanliness Campaign, Special: Awareness generation camp within the college campus and in the surroundings

10.11.2016 to 17.11.2016	Pre Republic Day Parade Camp
30.11.2016	Campus cleaning drive
01.12.2016	World Aids Day Observation, Rally with slogans to the adopted slums, Interactive discussion session for awareness generation by External Resource Persons dealing with HIV-AIDS at the grassroots
01.12.2016	Dengue Awareness programme, Block Level Medical Officer came for seminar and interactive discussion for awareness generation and prevention of Dengue
19.12.2016	Tree Maintenance
14.12.2016 to 20.12.2016	Participation at National Integration Camp, BIT, Mesra, Ranchi

NCC activities

Name of the Training/ Camp/ Workshop/ Seminar	Held at	Period	Participants		
			SD	SW	Total
Army Attachment Camp	Barrackpore 5 Assam Regiment, Barrackpore, North 24 Parganas	04.12.2015 to 18.12.2015	07	-	07
Combined Annual Training Camp	Mahishadal Girl's College, Mahishadal- 721628, Purba Medinipur	09.02.2016 to 18.02.2016	07	08	15
Combined Annual Training Camp	Pantheswari Badra High School (46 Bn Ncc), Ramnagar, Contai- 721441, Purba Medinipur	05.03.2016 to 14.03.2016	05	-	05
All India Firing Competition	Assansole, West Bengal	22/05/2016	00	01	01

National Integration Camp	Birbhum Engineering Institute Of Technology, Birbhum	13.10.2016 to 24.10.2016	03	02	05
Combined Annual Training Camp	Mahishadal Raj College, Mahishadal- 721628, Purba Medinipur	08/11/16 to 17/11/16	26	13	39
Army Attachment Camp	Barrackpore 5 Assam Regiment, Barrackpore, North 24 Parganas	05/12/2016 to 19/12/2016	12	-	12
Treking	Himachal Pradesh & Orissa	08/11/2016 to 17/11/2016	01	01	02
Combined Annual Training Camp	Haldia Government College, Debhog- 721657, Purba Medinipur	12.02.2017 to 21.02.2017	13	27	40

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.

Nil

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.

The students of the college participated several social awareness programme through NCC and NSS programme:

NSS

Year	Achievement	No. of Student	Name of the Events
2017	Participation	1	Pre Republic Day Celebration Camp at Kolkata
2017	Participation	1	Republic Day Celebration Camp at Delhi
2016	Participation	10	National Integration Camp at Ranchi

2015	Best Programme Officer	1	National service Scheme
2015	Best Volunteer	1	National service Scheme,
2015	Participation	1	One student attended National Level Republic Day Celebration Camp at Delhi
2015	Attend	1	International Cultural Exchange among Youth at International Level at China
2014	Best Programme Officer	1	National Service Scheme
2014	Best Volunteer	1	National Service Scheme
2014	Participation	1	Republic Day Celebration Camp at Delhi

NCC

Year	Achievement	No, of Students	Name of the Events
2017	Participation	1	Republic Day Celebration at Delhi
2017	Participation	1	Local Republic Day Celebration at Kolkata
2016	Participation	10	National Integration Celebration at Bolpur

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.

The departments of the Institution have so far organized several National and State Level Seminars, Workshops and other academic events in collaboration with others. These events serve as common platforms for interactions between the faculty, experts of other institutes, research scholars and students. The faculty members of the college individually collaborate with other national research laboratories and institutes for pursuing their pre and post-doctoral research work. A few examples are given below.

Dr. Shubhankar Samanta, Assistant Professor of Chemistry collaborated with Prof. J.K. Roy, IIT-Kharagpur.

Mr. Susanta Kumar Manna, Assistant Professor of Chemistry collaborated with Prof. Maidul Islam, Vidyasagar University.

Mr. Arup Kumar Adak, Assistant Professor of Chemistry collaborated with Prof. C.R. Sinha, Jadavpur University.

Dr. Dipankar Pramanik, Assistant Professor of Chemistry collaborated with Dr. P.K. Tarafdar, IISER-Kalyani.

Dr. Saikat Kumar Manna, Assistant Professor of Chemistry collaborated with Dr. Satyajit De, Tamralipta Mahavidyalaya and Mr. Shubhabrata Mabhai, Mahishadal Raj College.

The college interacts with industries through Industry visits, as for example, the industry visits organized by Chemistry Department for its postgraduate students as a part of university course curriculum.

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.

There is no MoU or official collaborative arrangement of the college with institutions of national importance/other universities/industries or corporate entities.

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.

As part of the study centre, Directorate of Distance Education, Vidyasagar University, the college received funds from the University which have been utilized in infrastructural development of the institute, purchase of chemicals, instruments purchase etc.

The industry-institution-community interactions have not directly contributed to the establishment/creation/up-gradation of academic facilities, student and staff support or infrastructure facilities of the institution. However, the exchange of new ideas and thoughts by the faculty as a result of the interactions get disseminated among the students leading to overall knowledge up-gradation.

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.

Many eminent scientists/resource persons visited the college for participating in the national seminars and conferences organized by the college.

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 –

No MOU has been signed with any other Institute. Some examples of informal linkages that enhanced or facilitated the following are given below.

a) Curriculum development/enrichment: Curriculum development at the UG level is a collective process under the leadership of the University. The teachers of the College who are BOS members actively take part in the development of the curriculum. They express their opinions during introduction of new Curriculum or for amendment/change of the existing Curriculum.

b) Internship/ On-the-job training: No such schemes exist.

c) Summer placement: None

d) Faculty exchange and professional development: A number of teachers have enriched themselves from the following faculty exchange activities.

Dr. Khokan Samanta delivered Invited Lectures on Special Paper “Pharmaceuticals” in M.Sc. Semester III (Final Year) at Jhargram Raj College in 2016-17.

Dr. Saikat Kumar Manna delivered Invited Lectures on Special Paper “Supramolecular Chemistry” in M.Sc. Semester III (Final Year) at Mahishadal Raj College in 2016-17.

Mr. Arup Kumar Adak delivered Invited Lectures on Special Paper “Moesbeur Spectroscopy” in M.Sc. Semester IV (Final Year) at Mahishadal Raj College in 2014-15, 15-16.

Mr. Amit Patra delivered invited lectures on “Linguistics” to MA 1st year at Sobharani Memorial College, Howrah

Mr. Amit Patra delivered invited lectures on “Chanda” and Mādhhusudan Dutta and his poetry Birangana” to UG 1st year at Government General Degree Collge, Kashmuli, Dantan 2, Paschim Medinipur.

Mr. Pritam Bandyopadhyay delivered lectures on “Induction Course for WBJS Cadre” at West Bengal Judicial Academy, Bijan Bhavan, Salt Lake, Kolkata.

e) Research: Some of the Faculty members have done and/or are doing research work in collaboration with other national and international institutes. These have resulted in quite a few collaborative research projects and several publications in national and international journals. These have been presented in the relevant sections [Refer to **Annexure-1**]

f) Consultancy: Collaboration with the institutes enables the departments of the college to consult with the faculty members of the collaborative institutes regarding various academic.

g) Extension: The Institution has successfully organized several extension activities in collaboration with various agencies. These are given below.

h) Publication - Nil

i) Student Placement- The Career Counselling sub-committee of the College organizes placement drives from time to time.

j) Twinning programmes- Nil

k) Introduction of new courses- PG courses in Geography and Chemistry have been introduced from 2015-16.

New Courses/Subjects approved from University 2015-2016 (approval from Govt. is waited) Political Science (H), History (H), Sanskrit (H), Philosophy (H).

l) Student exchange- Students of Physical Chemistry Special of Semester-IV attended special classes at Department of Chemistry, Jhargram Raj College

Students of Geography of Semester-II attended CBCS classes at Department of Bengali, Vivekananda Mission Mahavidyalaya, Chaitanyapur, Haldia, Purba Medinipur.

m) Any other- Nil

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

Even though this aspect of academic pursuit is not specifically included in the College curriculum, however individual teachers and their expertise as researchers engaged in exchange of academic dissemination of information often generate linkages and collaborations.



Independence Day Celebration at Haldia Govt. College



Bhatnagar Award Winner Dr. Partha Sarathi Mukherjee, IISC, Bangalore is interacting with Dr. Arabinda Chaudhuri, Chief Scientist, CSIR-IICT, Hyderabad during National Seminar at Haldia Govt. College



NCC, Haldia Govt. College



Awareness Programme by NSS & NCC Unit of Haldia Govt. College



Student of NSS unit and Teaching Staff of Haldia Govt. College



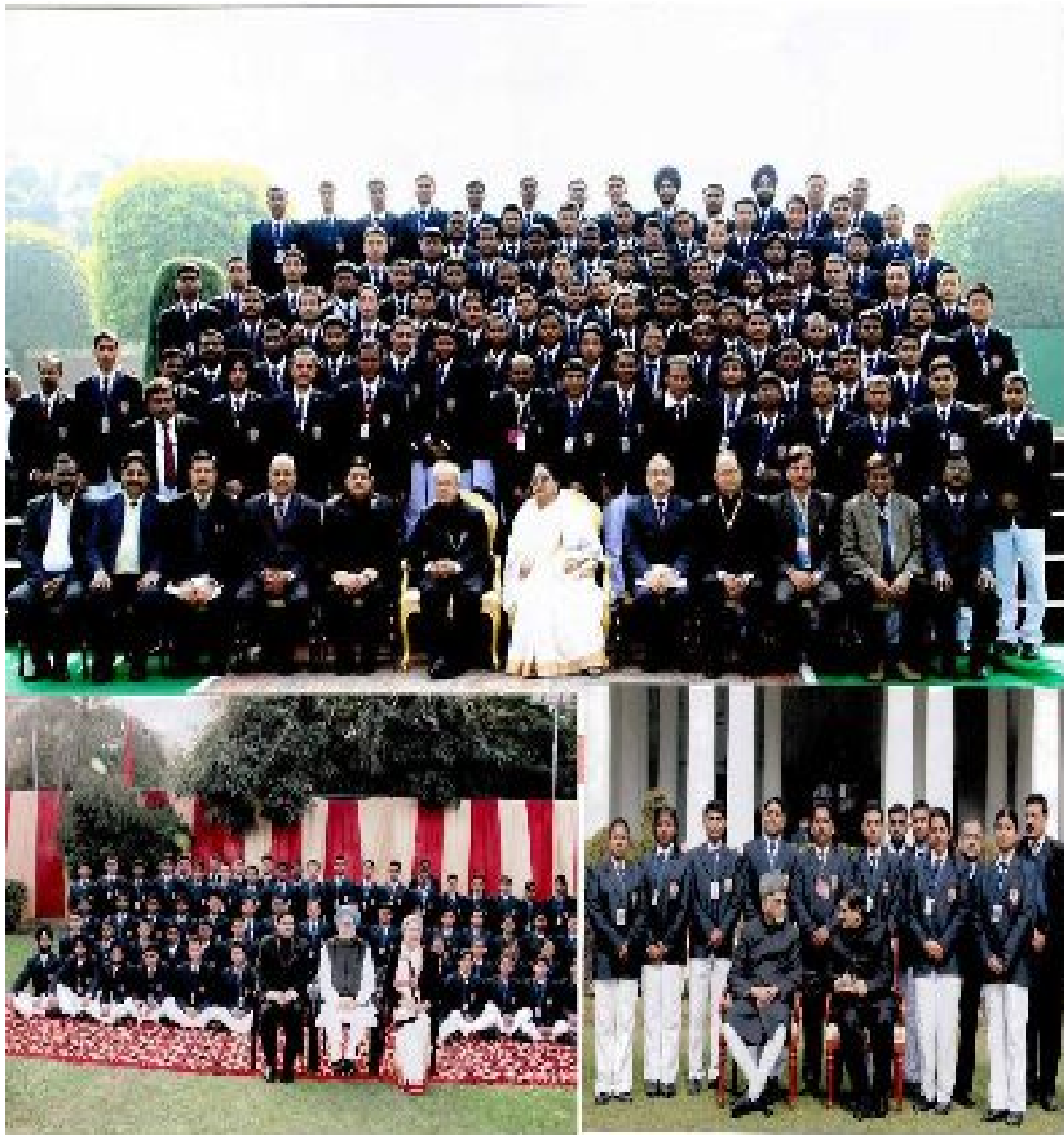
Cleaning Programme by NSS and NCC unit of Haldia Govt. College



Thalassemia Camp organized by NSS Unit, Haldia Govt. College



NSS unit of Haldia Govt. College on National Integration Camp, Ranchi Region



Students of Haldia Govt. College on RDP, Delhi

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?

In tune with the mission and vision of the college and in ultimate pursuit of the aim of creating responsible citizens, the college has been trying to live up to the expectations of society and to achieve empowerment as effectively as possible. Besides vocational courses, it has been trying to introduce new undergraduate and postgraduate courses of study in available modes. To meet the infrastructural needs in fulfillment of those academic needs, the college has been constantly trying to develop adequate infrastructure, in terms of classrooms, laboratories, libraries, and ICT environment as well as well as learning resource base to its best. At the same time there is an attempt to ensure that the available facilities are delivered to the students and faculties of the College at its optimum level.

The College is situated on an area of 19.44 acres partially encircled with boundary wall by the southern end of National Highway 41.

Floor	Particular	No. of Rooms
GROUND FLOOR	Office room	1
	Office resource room	1
	Mini-Conference room	1
	Store	1
	Physical Education	3
	Bengali	3
	Chemistry	13
	Education	3
	Sociology	3
	Student Union Room	1
	Girl's Common Room	1
	Boy's Common Room	1
	Virtual Class Room	2
	PG Students Section	1
	PG Examination Unit	1
	Students Section	1

	NSS Office	1
	NCC Office	1
	IQAC Cell	1
	Staff Common Room	1
	NSOU Office	1
	Principals Chamber	3
	Toilets	6

Floor	Particular	No. of Rooms
FIRST FLOOR	Statistics	5
	Mathematics	5
	English	4
	Conference Room	1
	Physics	6
	Anthropology	5
	Geography	12
	TTM	3
	Library	4
	Toilets	3

4.1.2 Detail the facilities available for : --

a. Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

Departments	Classroom	Laboratory	Technology enabled learning spaces
Anthropology	3	1	1
Bengali	2	-	1
Chemistry	5	4	2
Economics	2	-	1
Education	2	-	1
English	3	-	1
Geography	8	3	3
Mathematics	3	1	1
Physical Edu.	1	1	1

Physics	3	2	1
Sociology	2	-	1
Statistics	3	1	1
T.T.M.	2	1	1
General	3	-	-
Virtual Class Room	2	-	-
Total	44	14	16

- i. **Classrooms** : There are 44 class rooms including smart class rooms and virtual class room in this College. The department wise break up is given in above table.
- ii. **Technology Enabled Learning Spaces** : Two smart class rooms at postgraduate departments, one virtual class room and all departments have computers with internet facility which is used as technology enabled learning space.
- iii. **Seminar Halls, Tutorial Spaces** : There is one seminar hall on the first floor of the college where seminars, conferences, workshops, meetings and other cultural programmes are held.
- iv. **Laboratories** : All science departments have well equipped laboratories to conduct practical classes and university examinations. The department of Chemistry has one dedicated research laboratory for major and minor research programmes. The postgraduate students carry out their research projects in this laboratory.
- v. **Botanical Garden:** The College does not have any specified botanical garden.
- vi. **Animal House:** The College does not have Zoology or Physiology department and hence the College does not have animal house.
- vii. **Specialized Facilities and Equipment For Teaching:** Two postgraduate departments have smart class rooms with LCD projectors and other departments also have separately LCD projectors for power point based teaching and learning. Recently the college established virtual class rooms with audio-visual recording facility. Apart from these, the whole campus is Wi-Fi enabled to access internet.
- viii. **Learning And Research etc.:** Library Books & journals – Ca. 50,000; INFLIBNET, Free Wi-Fi

b. Extra-curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

- i. Sports :** Although the College does not have any specified playground, a free space in between two hostels is used for sports. Students play football, volleyball, cricket etc in this ground regularly and interdepartmental competition is organized during annual sports.
- ii. Outdoor and Indoor games:** The Students' Union organizes different outdoor games (football, volleyball, cricket, kho-kho, badminton, running, jumping, throwing,) and indoor games (tennis, carom, chess etc.) during annual sports in the college campus.
- iii. Gymnasium :** The college has a gymnasium located in the Physical Education department.
- iv. Auditorium :** The college does not have any auditorium. However the college has a
conference room with a seating capacity of 120 persons where all types of seminar, conferences, workshops and other cultural activities are being organized .A mini conference room is located on the ground floor for different activities.
- v. NSS :** The college has two active NSS units (Unit-I and Unit-II). The NSS units organize different outreach programmes like community development, health camp, campus cleaning, and awareness programmes through seminars/workshops/special lectures.
- vi. NCC :** The College has a NCC wing and a designated Nodal officer. The NCC wing organizes different activities like Republic Day celebration, Independence Day celebration. Recently the 55 Bengal Battalion organized a 10 days camp at the college campus.
- vii. Cultural Activities :** The Students' Union of the College organizes annual cultural programmes. In addition to these, all academic departments organize Freshers' welcome and Teachers day celebration.
- viii. Public Speaking :** The students take part in quiz competitions, debates extempore speech competitions etc. as part of the College annual cultural competition. Apart from this, students of different academic departments take part in 'mock parliament' organized by District and State level Youth Parliament department. This type of participation certainly helps the students to develop public speaking skills.

- ix. **Communication Skills Development:** The English department of the College does not have any specified language lab. A proposal has been sent to the government. for setting up this facility.
- x. **Yoga :** Though there is no separate yoga training programme centre in this college, the Physical Education Department conducts regular classes on yoga.
- xi. **Health and Hygiene etc. :** The Anthropology department and Physical Education department have some basic facility for primary health check-up. Laboratory based departments have First-Aid box facility. NSS units organize different health check-up plan like Thalassemia check up camp among the students of the College, Anti-AIDS campaign in local community etc. All teaching and non-teaching staff members are covered under cashless West Bengal Health Scheme.

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).

The college authorities always emphasize upon the best and optimum use of its available infrastructure. The following are some of the major points through which these are ensured:

- ❖ Master routine is prepared according to availability of class rooms.
- ❖ Distance education classes and classes for Netaji Subhas Open University are held on Sundays and Saturdays (after regular college hours).
- ❖ Vidyasagar University examinations are held in college class rooms from the second week of March to August. Most of the examinations are conducted without affecting normal class routines.
- ❖ Vidyasagar University practical examinations are also held in departmental laboratories without affecting normal schedule of the college students.
- ❖ Teachers utilize their vacation periods in project works.
- ❖ Since the infrastructure of the college is the property of the State Government, sometimes various public examinations like WBJEE, PSC, SSC, etc. are held in available college class rooms.

Master plan of the college campus is given in Annexure II

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

The college is conscious and concerned about the basic needs of the students with physical disabilities.

- ❖ There is a ramp in the main entrance in the college building. The college provides wheel-chair for physically disabled students.
- ❖ During preparation of academic class routine, best efforts are given to arrange classes for physically disabled students on the ground floor.
- ❖ Utmost care is always taken to resolve the matters of those students with top priority so that they need not pass through queues, agony, or waste time.

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

Hostel Facility – Accommodation available:

Hostel	Name	Capacity	No. of Rooms	Common Rooms	Library	Superintendent's Accommodation	Recreation facilities
Boys'	Satish Chandra Samanta Boys' Hostel	100	23	1	1	1	Indoor & outdoor games, Volleyball, cricket, football, carom etc.
Girls'	Saheed Matangini Hazra Girls' Hostel	100	22	1	No	1	Badminton and carom.

- ❖ **Recreational facilities, gymnasium, yoga center, etc.:** Both Boys' Hostel and Girls' Hostel have some indoor games facilities for the boarders like carrom, badminton, volleyball etc.
- ❖ **Computer facility including access to internet in hostel:** The college does not provide any computer to hostel boarders. Free Wi-Fi facility is available at hostels.
- ❖ **Facilities for medical emergencies :** No dedicated medical officer is available in the hostel campus but in case of emergency, contact numbers of ambulance and other car providers are available. The nearest government hospital is just 10 min away by car.
- ❖ **Library facility in the hostels:** Boys hostel have a specific library where students can issue books by maintaining a register.
- ❖ **Internet and Wi-Fi facility:** Internet facility through free Wi-Fi is available in both hostels.

- ❖ **Recreational facility-common room with audio-visual equipment:** There is a colour TV in the Boys' Hostel for availing educational programmes.
- ❖ **Available residential facility for the staff and occupancy:** There is a separate teachers' hostel inside the campus.
- ❖ **Constant supply of safe drinking water:** The college has installed water purifying systems at both hostels. There is constant supply of water at students and teachers hostels.
- ❖ **Security:** None of the hostels has any government sanctioned post of superintendent and night guards. However, the college has recruited separate night guards on contractual basis from its own fund.

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?

- ❖ Being a government college, the staff members including teaching faculty members get cashless Health Care Facility covered by **West Bengal Health Scheme**.
- ❖ The Anthropology department and Physical Education department have some basic facility for primary health check-up and treatment.
- ❖ **NSS** units organize different free health check-up camps like Thalassemia check up camp, Blood-Donation Camps, Blood-Group Determination Camp, Eye Check-up Camps among the students of the college, Anti-AIDS campaign in local community etc.

4.1.7 Give details of the Common Facilities available on the campus–spaces for special units like :-

Name of the Special Unit	Common Facilities Available
IQAC	Separate room with computer and printer
Grievance Redressal unit	Complaint box available outside the main office where students can drop any complaints.
Women's Cell	No separate room, however, mini-conference room and conference room are available for the programmes organized by the cell.
Counselling and Career Guidance	No separate room, however, mini-conference room and conference room are available for programmes organized by the cell.
Placement Unit	No separate room, however, mini-conference room and conference room are available for placement programmes.

Health Centre	No separate room. However, the Anthropology department and Physical Education department have some basic facility for primary health check-up.
Canteen	The college has a cheap canteen for both teachers/staff and students located within the main campus.
Recreational Spaces For Staff And Students	One main teacher's common room available and all departments have its own teachers' room. There is boy's common room and girls common room with some indoor game facility like carom.
Safe Drinking Water Facility	All academic departments and office area have water purifier systems.
Auditorium, Etc	The college does not have any auditorium but it has a conference hall on the first floor to host all seminars, conferences, workshops etc.

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?

- ❖ Yes, the college library has an advisory committee, viz. **Library Sub-Committee**, consisting of members detailed below. This committee helps the college authorities to take policy decisions relating to functioning of the library. It also helps in implementing the adopted policies.

The **Library Committee** is composed of the following members (2016--17):

President: Dr. Pijush Kanti Tripathi, Officer-in-Charge.

Convenor: Shri Lakshmi Narayan Maiti, Librarian (S. G.).

All Heads of the Department.

The Committee has significantly contributed in taking initiatives:

- i) to make Library a dust free area and attractive and useful to the users;
- ii) to make the Library fully digital and user-friendly;
- iii) to make issue and return of books hassle-free and more effective;
- iv) to run the Library smoothly and effectively in all respects.

4.2.2 Provide details of the following:

1	Total area of the library (in Sq.Mts.):	Approx 285 Sq. Mts.
2	Total seating capacity	60
3	Working hours (on working days)	10.30 a. m. to 5:00 p. m.
4	Working hours (on holidays days)	Nil
5	Working hours (before examination days)	10.30 a. m. to 5:00 p. m.
6	Working hours (during examination)	10.30 a. m. to 5:00 p. m.
7	Working hours (during vacation)	10.30 a. m. to 5:00 p. m.
8	Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)	Layout enclosed- Annexure-III

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.

- ❖ Purchase of reading materials in the library is ensured as per the demands placed by students and teachers and in tune with the revision of curricula in different subjects as per allocation of funds discussed in Library Committee meetings. The college library ensures the purchase and use of current titles, journals, and other reading materials from the Government Grants as well as UGC grants as received from time to time.

Year : 2012-13											
Particulars	Existing				Newly added				Total		
	No.		Value		No.		Value		No.		Value
	Govt.	UGC	Govt.	UGC	Govt.	UGC	Govt.	UGC	Govt.	UGC	
Text Books	25276	2478			3627	386	14,93,575		28903	2864	
Reference Books	4493	297			403	32			4896	329	
e-Books									0		
journals	8736				416		15000	-	9152		
e-journals	-	-	-	-	-	-	-	-			-
Digital Database	-	-	-	-	-	-	-	-			-
CD & Videos	5	--	-	-	-	-	-	-			-
Others(Specify)								0			
Year : 2013-14											
Particulars	Existing				Newly added				Total		
	No.		Value		No.		Value		No.		Value
	Govt.	UGC	Govt.	UGC	Govt.	UGC	Govt.	UGC	Govt.	UGC	
Text Books	28903	2864			433	641	170464	193284	29336	3505	

Reference Books	4896	329			48	34			4944	363	
e-Books									0		
journals	9152				416		15000		9568		
e-journals	-	-	-	-	-	-	-	-			-
Digital Database	-	-	-	-	-	-	-	-			-
CD & Videos	5	--	-	-	-	-	-	-			-
Others(Specify)									0		

Year : 2014-15

Particulars	Existing				Newly added				Total		
	No.		Value		No.		Value		No.		Value
	Govt.	UGC	Govt.	UGC	Govt.	UGC	Govt.	UGC	Govt.	UGC	
Text Books	29336	3505			286	251			29622	3756	
Reference Books	4944	363			31	27	148954	120000	4975	390	
e-Books									0		
journals	9568				416		15000		9984		
e-journals	-	-		-	-	-	-	-			-
Digital Database	-	-	-	-	NLIST	-	5,750	-			-
CD & Videos	5	--	-	-	-	-	-	-			-
Others(Specify)									0		

Year : 2015-16

Particulars	Existing				Newly added				Total		
	No.		Value		No.		Value		No.		Value
	Govt.	UGC	Govt.	UGC	Govt.	UGC	Govt.	UGC	Govt.	UGC	
Text Books	29622	3756			309				29931	3756	
Reference Books	4975	390			41		138818	nil	5016	390	
e-Books					NLIST						
journals	9984				416		11182		10400		
e-journals	-	-	-	-	NLIST	-		-			
Digital Database	-	-	-	-	NLIST	-	5750	-			5750
CD & Videos	40	--	-	-	10	-	-	-	50		-
Others(specify)						104			0	104 MRP	

Year : 2016-17

Particulars	Existing				Newly added				Total		
	No.		Value		No.		Value		No.		Value
	Govt.	UGC	Govt.	UGC	Govt.	UGC	Govt.	UGC	Govt.	UGC	
Text Books	29931	3756			230	0			30161	3756	
Reference Books	5016	390			0	0	83,640	nil	5016	390	
e-Books					NLIST						
journals	10400				416		16360		10816		
e-journals	-	-	-	-	NLIST	-		-			
Digital Database	-	-	-	-	NLIST	-	5750	-			5750
CD & Videos	40	--	-	-	10	-	-	-	50		-
Others(specify)						104			0	104 MRP	

4.2.4 Provide details on ICT & other tools deployed to provide maximum access to the library collection :

1	OPAC	Presently not available. Efforts are being made and will be available after installation of software and development of digital database.
2	Electronic Resource Management package for e-journal	Efforts are being made for procurement as early as possible.
3	Federated searching tools to search articles in multiple data bases	Nil
4	Library website	Presently the library has no website of its own. However, a library website will be created after a considerable progress in the ongoing development of digital database for total collection.
5	In-house Remote access to e-publication	It is facilitated through the INFLIBNET.
6	Library automation	Library automation work with open-source software KOHA has been going on. It is expected that students' services including membership, issue and return of books, Online Public Access Catalogue, facility of remote searching will be initiated in 2017-18.
7	Total no of computer for public access	At present there are three computers in the students area for public use.
8	Total no of Printers for public access	01
9	Internet Bandwidth / speed	2 mbps / 10 mbps / 1 GB
10	Institutional Repository	No
11	Content Management system for e-learning	No
12	Participation in Resource sharing Network- Consortia(like INFLIBNET)	We are now subscriber of the INFLIBNET/NLIST Database.

4.2.5 Provide details of the following items:

1	Average no. of walk ins	Approx. 150
2	Average no. of books issued /Returned	Approx 120
3	Ratio of Library Books to students enrolled	20:1

4	Average no. of books added during the last three years	735.
5	Average no. of Login to OPAC	-
6	Average no. of Login to e-Resources	05
7	Average no. of e-resources downloaded/Printed	200
8	No. of Literacy Training Organized.	01
9	Details of weeding out of books and other materials	Nil

Every year newly admitted students are issued library membership cards. The students are informed about the rules and regulations of the library and also how to use the library resources.

4.2.6 Give details of the specialized services provided by the library :

a)	Manuscripts	NIL.
b)	Reference	Library provides reference service (CAS, SDI), Referral Service, Indexing & Abstracting Service as far as possible.
c)	Reprography	Photocopy is provided free of cost in cases where document cannot be taken out of the Library.
d)	ILL (Inter Library Loan)	Need based ILL service is provided.
e)	Information deployment & notification	Through the Notice Boards of library, office, and the departments.
f)	Download	Downloading and printing is available on request.
g)	Printing	One dedicated HP black & white printer has been provided for the students.
h)	Reading List/ Bibliography compilation.	Yes
i)	In-House Remote access to e-Resources	Remote access facility is provided through LAN and INFLIBNET.
j)	User Orientation and Awareness	User Orientation awareness is provided to the newly admitted students and also for the new teachers and other staff.
k)	Assistance in searching databases	Library users, i.e., students and teachers are always assisted to search for books, journals and e-journals.
l)	INFLIBNET/IUC facilities.	Membership of NLIST programme of INFLIBNET.

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

- a) Circulation of books. - Yes
- b) Circulation of journals. - Yes
- c) Guide to text books. - Yes
- d) Guide to journals. - Yes
- e) Guide of reference books. - Yes
- f) Assistance in OPAC. – NA
- g) Assistance in catalogue search. - Yes
- h) Assistance for Internet resources and search of databases. - Yes
- i) Current Awareness Service : Yes
- j) Selective Dissemination of Information : Yes
- k) Different types of Information Services : Yes

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

❖ So far, there is no infrastructural facility in the library for the special users. However special attention and care is provided to such type of users by providing personalized services. They do not stand in a queue at the issue and return counter. Referral service is provided in the appropriate circumstances.

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?)

❖ Yes, the library gets feedback from the users through:

- i) Annual Feedback Form
- ii) Complaint Box
- iii) Suggestion Register
- iv) Periodical Feedback form and
- v) Direct observation and monitoring.

The librarian gets the feedback from the users through the regular interactions. The librarian and available staff analyse the feedbacks received and try to resolve the matter on the spot. This year the library has introduced Feedback Form for the sent up students. In addition to that the library maintains a Suggestion Register for getting continuous feedback from the users. The general complaint box kept in front of the main gate may also be used as a widow for ventilating grievances and constructive suggestions for the development of the Library.

4.3 IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

Department	Total No of Computers	No. of Computers with configuration	Computer available for students	LAN facility	Licensed Softwares	Student-Computer ratio
Anthropology	4	Core i3 (2), Pentium 4 (2)	1	1		54:1
Bengali	1	Core-i3(1)	0	1		NA
Chemistry	4	Core-i3 (4)	3	2	Spectramanager, FelixGX	47:1
Economics	3	Core-i3(2), 1 Notebook	3	1		1:1
Education	2	Pentium R (1), 1 Notebook	0	1		NA
English	2	Core-i3(2)[1 Notebook]	1	1		251:1
Geography	14	Core-i3(5), Core2Duo(5),Pentium 4(5)	12	1		20:1
Mathematics	11	Core-i3(9), Pentium 4(2)	10	2		8:1
Physical Edu.	2	Core2Duo(1)	0			NA
Physics	3	Core-i3 (3)	2	2		22:1
Sociology	2	Pentium 4(2)	2	1		105:1
Statistics	9	Core-i5(1), Core-i3(2), Core2Duo(2),Pentium 4(4)	8	4		1:1
T.T.M.	3	Core-i3(2), Core2Duo(1)	3	1		15:1
Principal Chamber	2	Core-i3(2)		2		NA
Office	7	Core-i3(2), Pentium 4(3), IBM server X3100M4(1)		4		NA
Student Section	1	Pentium R				NA
Library	4	Core-i3		4		NA
Total	77					

- ❖ Number of computers with Configuration (provide actual number with exact configuration of each available system): All academic departments, office, student section, library is equipped with computers; some are connected with internet through LAN. Details of the computer facility are given in above table.
- ❖ Computer-student ratio: 1:28
- ❖ Stand alone facility:
- ❖ LAN facility: Available
- ❖ Wi-Fi facility: The entire campus is Wi-Fi enabled.
- ❖ Licensed software: Sophisticated instruments have licensed software like Spectramanager, FelixGX.
- ❖ Number of nodes/ computers with Internet facility: 30
- ❖ Any other

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

As discussed above, the College provides computer and internet facility to all academic departments, students' section, office for smooth teaching learning, data preparation and official job. Details of computer availability in various academic departments are given below.

Departments	Total No. of Computers	Computers available for Students
Anthropology	4	1
Bengali	1	1
Chemistry	4	3
Economics	3	3
Education	2	1
English	2	1
Geography	14	12
Mathematics	11	10
Physics	3	2
Physical Education	2	0
Sociology	2	2
Statistics	9	8
TTM	3	3

Several computers of various academic departments are connected with internet through LAN.

Recently, the whole College campus has been enabled with Wi-Fi internet facility.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The college has taken several steps in upgrading its IT infrastructures like:

- ❖ The admission procedure in UG and PG courses is maintained online.
- ❖ The evaluation procedure of entrance test examination in PG courses is done by software which is outsourced to vendors.
- ❖ Introducing COSA for Payroll.
- ❖ Introducing e-Pradan for accounting.
- ❖ The central library has installed INFLIBNET for surfing several online journals & databases.
- ❖ Smart class rooms are established in PG departments with LCD projectors.
- ❖ Virtual class room has been set up for online class with audio-visual systems and recoding facility.
- ❖ The entire College campus is Wi-Fi enabled which students can access at free of cost.

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)

Procurement of new computers, accessories and mainatance of computers are done under different budgets like State Plan, UGC etc. Year wise details procurement is given below.

Year	UGC	College Fund
2012-13	3,97,544/-	-
2013-14	6,25,275/-	-
2014-15	28,560/-	36,000/-
2015-16	83,160/-	72,000/-
2016-17	-	74,000/-

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?

The college gives extensive emphasis on ICT enabled teaching and learning for the students and other stakeholders.

- ❖ The postgraduate departments have smart classrooms with LCD projectors. Special classes, project reviews, model based teaching etc. is being executed in these smart class rooms.
- ❖ Various other academic departments also have LCD projectors that they use for teaching learning purpose.
- ❖ Three virtual classrooms have been established in the College for online classes through internet with audio visual recording.

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.

- ❖ The college campus is Wi-Fi enabled and hence the college emphasizes on internet based teaching learning among the students and teachers.
- ❖ PowerPoint based teaching in smart class helps the students in understanding real model based subjects especially the structure of macromolecules like proteins, DNA, nanoparticles etc.
- ❖ In virtual class room, recording facility is available where students can take soft copy of the class lecture and may revisit it as and when required. The same facility may be used for online classes through high speed internet connection.
- ❖ Faculty members can access various e-journals through INFLIBNET. This facility can be availed off-campus also. This provides a number of research articles, study materials which helps them to teach students in more interactive way and makes them abreast with front-level status of the relevant subjects.

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?

At present the college does not have any such facility.

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)?

Being a government institution the college has no provision to allocate grant on its own. The college applies for grant to Higher Education Department, Govt. of West Bengal for allocating grants in different heads. The Public Works Department, Government of West Bengal receives grants for building maintenance and electrical work heads and the work is done as per requirement of the college.

Grants in other heads (books, chemicals, equipments, stationeries etc.) are distributed among the academic departments and necessary articles are purchased under the supervision of purchase committee of the college.

Budget Heads	Financial Year									
	2012-13		2013-14		2014-15		2015-16		2016-17	
	State Plan	UGC	State Plan	UGC	State Plan	UGC	State Plan	UGC	State Plan	UGC
Building	-	-	-	-	-	-	-	-	-	-
Furniture	15,00,000		8,00,000	-	-	-	-	-	-	-
Equipment	15,00,000		7,00,000	-	2,00,000	-	1,50,000	-	2,00,000	-
Computers	-	-	-	3,97,544	-	6,25,275	-	28,560	-	83,160
Vehicles	-	-	-	-	-	-	-	-	-	-
Any other	-	-	-	-	-	-	-	-	-	-

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the College?

- ❖ Campus cleaning programme is initiated by NSS unit of the College. NSS student volunteer and faculty members involved in this holy programme wholeheartedly to clean the campus occasionally.
- ❖ Pest Control is done at regular intervals in all departments and office area to protect infrastructures and resources from termites and other insects.
- ❖ Keeping regular contact with PWD for building maintenance, electrical maintenance etc.
- ❖ AMC is signed with some vendors to keep functioning several facilities like drinking water purifying systems, computers etc.

- ❖ Anti-virus software is installed in important computers to protect them from viruses.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

- ❖ Trained persons from the specific vendors visit the departments annually for calibration of high end instruments.
- ❖ Regular laboratory instruments are calibrated by departmental teachers during the examinations and during the practical session.
- ❖ Sometimes students are also engaged in this job during practical practice classes.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

- ❖ The College has a 50 KV KOHLER power backup generator to ensure constant power supply during important college activities like seminar, conference, examinations etc.
- ❖ Apart from that science departments have their own UPS system for smooth functioning of their high end instruments against voltage fluctuation, power cuts etc.
- ❖ Haldia Municipality and Haldia Development Authority provides water supply to college in regular basis. Apart from that college has its own submersible pumps and designated pump house to fill water in storage tank.
- ❖ Non-teaching staff members of the college ensure continuous supply of water to laboratories and lavatories and to other parts of the college.
- ❖ Electrical maintenance and new electrical work falls under purview of Public Works Department, Government of West Bengal.

Any other relevant information regarding Infrastructure and Learning Resources which the College would like to include.

Nil



Boys' and Girls' Hostel



College Canteen



Cycle Stand of Haldia Govt. College



Pijush Kanti Tripathi, Officer-in-Charge, Haldia Govt. College



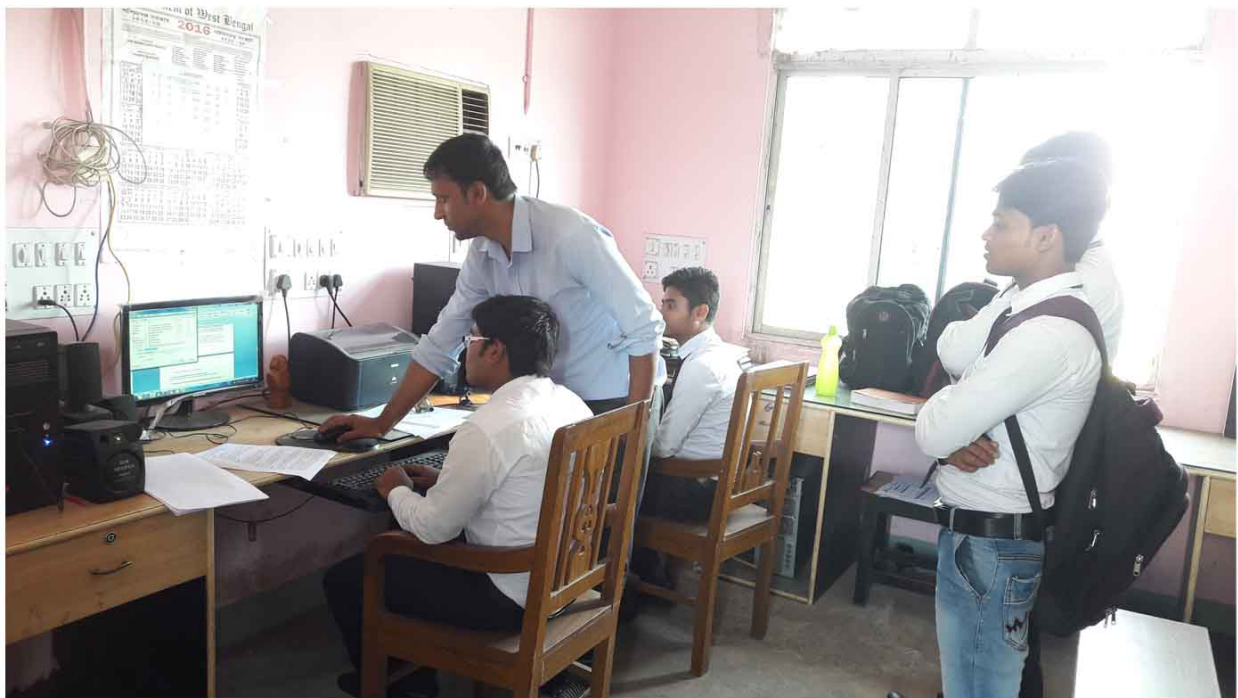
Principal's Quarter



Library



Office Room



Computer Lab of Tourism & Travel Management(TTM) Department

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?

Yes.

- ❖ The Institution publishes its updated Prospectus or Information Brochure every year.
- ❖ A copy of Prospectus or Information Brochure is issued to the applicants with the application forms during admission.
- ❖ Since 2015-16, the institution publishes the prospectus for the UG courses through the college website only.

The prospectus provides extensive information on the following aspects:

- ❖ Historical and Geographical Background of the College
- ❖ Courses offered
- ❖ Seat Capacity (UG /PG)
- ❖ Subject Combinations offered
- ❖ Eligibility
- ❖ Payment of Fees
- ❖ Facilities
- ❖ Rules and Regulations
- ❖ Relevant pictures
- ❖ Faculty (Teaching and Non Teaching)
- ❖ Events
- ❖ Different Cells and Centres

5.1.2. Specify the type, number and amount of institutional scholarships/free-ships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Students of the College enjoy several types of incentives and scholarships from both government and non-government sources. Following are the details of such scholarships:

Tuition fee-waiver scheme:

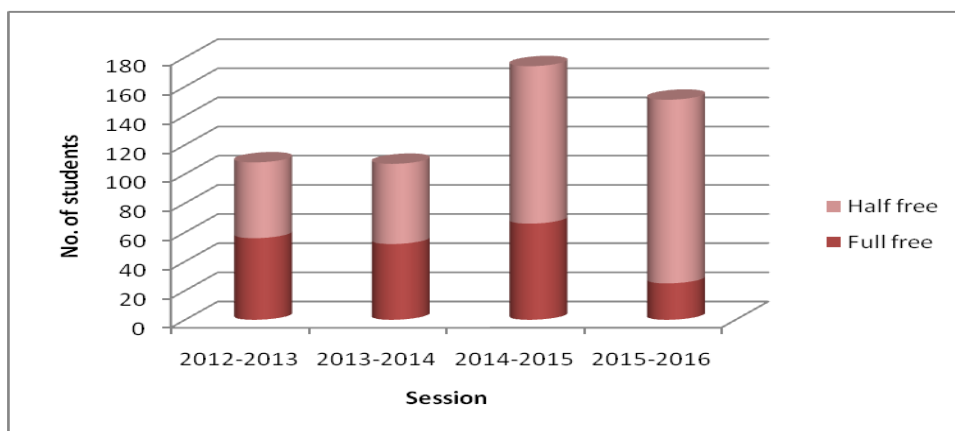
Tuition fee-waiver scheme or free studentship is the primary form of scholarship provided at the institutional level. The Departmental teachers interact closely with their students and

recommend their names for free studentship, based on their merit and financial conditions. In turn, the College authorities forward those proposals which are approved by Government and/or Non Government organizations.

Information about half and full free ships:

Academic Session	Total No of Students admitted	Total number of Free-Ships	
		Full free	Half free
2012-2013	623	56	52
2013-2014	587	52	55
2014-2015	573	66	108
2015-2016	615	25	126

No. of students under fee-waiver scheme in different session:



Poor Fund: The institution provides aid to the students from the Students “Aid fund”, which is popularly known as the Poor-Fund, for various purposes such as examination fees, educational tour expenses, concession of hostel fees, etc. The Officer-in-Charge of the College also uses his discretionary power to waive the admission fees of needy students.

Poor Fund disbursed to students from 2012-2016

Academic Session	No. of Recipients	Amount (in Rs.)
2012-2013	19	6270
2013-2014	21	5050
2014-2015	20	12040
2015-2016	24	31800

5.1.3. What percentage of students receives financial assistance from state government, Central government and other national agencies?

The students enjoy financial assistance from different sources of the State Government and the Central Government. The details are as follows:

Kanyashree (K1): Annual incentive of Rs. 750/- to female students who are unmarried, age between 13-18 and annual family income is 1,20,000 or less

Kanyashree (K2): Unmarried female students of this College are entitled to Kanyashree (K-2) scheme since 2013. Under this scheme, one-time financial grant (Rs. 25,000/-) is provided by the Govt. of West Bengal, so that the female students can pursue their higher studies smoothly. The eligibility criteria to avail such scholarship are as follows.

- ❖ Date of Birth: Between 01/4/1996 and 31/3/1997.
- ❖ Family income: Less than Rs.1,20,000/- per annum.

Number of Girl Students who are eligible for Kanyashree Scholarship (both K1 and K2):

Academic Session	Total number of students who are recommended from the college as per eligibility criteria
2013-2014	142
2014-2015	132
2015-2016	149
2016-2017	184

Merit-cum-means Scholarship:

Students also receive financial assistance from various State Governmental agencies under merit-cum-means scholarship. The details are as follows.

Number of Students enjoying Merit-cum-Means Scholarship:

Academic Session	No. of recipients of Merit-cum-means scholarship (sponsored by State Govt.)	Amount (in Rs.)
2011-2012	3	27000
2012-2013	31	302400
2013-2014	18	162000

2014-2015	17	174600
2015-2016	48*	No data available**

*Total number of student applied for Merit-cum-means Scholarship

** The college had no data as from this session the scholarships are directly disbursed to the account of the recipient by the funding agency

Minority Scholarship:

West Bengal Minority Development Finance Corporation (WBMDFC) provides scholarships to students from the Minority community. Many students of this College are benefited through this scholarship.

Number of beneficiaries of Minority Scholarship:

Academic Session	No. of beneficiaries of Minority scholarship (sponsored by WBMDFC)	Amount (in Rs.)
2011-2012	81	377400
2012-2013	29	147900
2013-2014	111	552000
2014-2015	69	331200
2015-2016	85*	No data available**

*Total number of student applied for Minority Scholarship

** The college had no data as from this session the scholarships are directly disbursed to the account of the recipient by the funding agency

Scholarship given by Tata Chemicals Society for Rural Development:

Academic Session	No. of students	Amount (in Rs.)
2015-2016	25	75000
2016-2017	25	75000

Information about other scholarships:

Session	Name of Scholarship	No Of Recipients	Amount
2015-16	District Mass Education	13	32100
	National Handicapped Finance	6	60000

	Devlopment Corporation		
	Beedi shramik under labour Welfare Organisation	4*	No data available
2014-2015	Beedi shramik under labour Welfare Organisation	6*	No data available
	District Mass Education	8	13320
	National Handicapped Finance Development Corporation	1	10000
	Chief Minister Fund	75*	No data available
	Sitaram Jindal Fund	46*	No data available
2013-2014	District Mass Education	2	3000
	Sitaram jindal	16*	No data available
2012-13	District Mass Education	9	14160
	Sitaram Jindal Foundation	7	22800
	AAMRA	1	1650
2011-12	Beriwala Seva Trust	1	4000
	District Mass Education	4	6660
	National Handicapped Finance Development Corporation	1	10000
	Sitaram Jindal	4	14400
	Labour Welfare Organization	14	42000
	UGC national Stipend for Physically Challenged	533	549000

*Total number of student applied

5.1.4 What are the specific support services/facilities available for students from SC/ST, OBC and economically weaker sections?

- ❖ The Institution follows the extant reservation policies of the Government to earmark seats for SC, ST and OBC students.
- ❖ SC/ ST Complaint Cell.
- ❖ The Institution informs in due time the SC/ST , OBC and economically weaker students about various facilities to be provided to them by the Government and other educational institutions and motivates them to avail all those facilities.
- ❖ The Institution effectively handles the whole process of collection and allocation of fund regarding grants, scholarships, free studentships etc.

- ❖ The Students' Aid Fund is also extended to the economically weaker section of the students in the form of reducing examination fees, tuition fees and excursion grants etc.

Students with physical disabilities

- ❖ As per Govt. norms, the Institution follows the extant reservation policy (3% seats) for the physically disabled students in each discipline during admission procedure.
- ❖ Visually challenged students have a provision for availing assistance of scribes during Unit Tests and University Examinations.

Overseas students

As no overseas student has been admitted to this college in the recent past, a specialized support system meant for them has not been contemplated. However, they are entitled to avail all the facilities enjoyed by other students.

Students to participate in various competitions/National and International:

- ❖ The Institution provides necessary financial and logistical support for students participating in district/state/national/international level competitions. In this respect, it should be stated that in different years NSS volunteers of the institution have represented our college at national and international camps
- ❖ The Institution informs, motivates and guides students to participate in co-curricular events like sports, dance, drama, debate along with different academic events including paper/poster presentations at workshops/seminars organized by various institutions. Different relevant committees of the Teachers' Council and the Students' Union ensure student participation in various programmes throughout the year.

Medical assistance to students: health centre, health insurance, etc.

- ❖ Govt. hospitals as well as a number of private hospitals / nursing homes are in the close vicinity. The students are to their medical treatment through Students' Health Home and, accordingly, each student is charged a nominal fee at the time of admission.
- ❖ The Institution has its own arrangement for providing First Aid facility. In case of emergency, the institution opts for other medical facilities provided by the nearby medical centers.
- ❖ Awareness programmes such as rallies and seminars are organized by the institution to generate awareness among the students and teachers about fatal diseases like AIDS, Thalasemia, Dengue etc. on a regular basis.

Organizing coaching classes for competitive exams

- ❖ Entry-in-Services programme”, under UGC XIIth Plan for SC/ST/OBC (Non-Creamy Layer) and Minority candidates who have completed Bachelor’s Degree/H.S or Madhyamik, is one endeavor which has run successfully in this College.
- ❖ The Institution provides updated information about various job opportunities through its Career Counseling Cell.
- ❖ Departmental teachers of Science disciplines also groom their students for competitive examinations like JAM, ISI etc.

Skill development (spoken English, computer literacy, etc.,)

A good number of the college students, at their entry level are already proficient in basic computer skills, due to incorporation of computer literacy into the school level curriculum. Various softwares such as GIS Open Source, Minitab, R, Spectramanager, FelixGX are used by various academic departments (both teachers and students) for the analysis of data.

Support for “slow learners”.

Remedial classes and tutorials are organized by the concerned departments for such slow learners. .

- ❖ Bilingual (Bengali & English) explanation and discussions are undertaken by teachers inside the classroom.
- ❖ They are asked to submit the assignment of the topics.

Exposure of students to their institution of higher learning/ corporate/ business house, etc.

Trips to research laboratories and academic institutions of repute enable the students to make informed choices regarding their career and higher studies. The PG Departments recommend their M.Sc. Students for project work at various research Institutes for exposure of the students towards research.

Publication of student magazines

Different departments publish Wall Magazines annually at different points of time throughout the year.

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 Counseling Cell provides necessary information and prospects of entrepreneurship in various fields to the students.

Different companies like TCS, Wipro, LNT, and PWC visited college for direct campus recruitment in recent years. The Axis Bank (Haldia Branch) also visited our college for direct recruitment of the college students. The college in collaboration with George Telegraph organized a one day career counseling workshop in 2016. The Career Counseling Cell of the college is also planning for career counseling workshops to motivate students towards civil service and social service.

5.1.6. Enumerate the policies and strategies of the institution which promote participation of students in extra-curricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities, etc.

- ❖ Preference in Admission as per Government rules.
- ❖ Arranging additional classes for students participating in different co-curricular activities, NSS activities/ camps and NCC activities.
- ❖ Preference to be given to sportsmen for admission in hostels
- ❖ Providing material, dress, kits etc to sportsmen and NSS volunteers
- ❖ Additional academic support, flexibility in examinations

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, GATE/CAT/ GRE/ TOFEL/GMAT/Central/State services, Defense, Civil Services, etc.

Each year a considerable number of students appear for various competitive exams such as UGC-CSIR-NET, UGC-NET, SLET, GATE,, Defense, Civil Services, Staff Selection commission (SSC), Public service commission(PSC), School service commission (SSC), College service commission(CSC) etc.. The following data is compiled as per verbal and informal feedback received from students and their peers. The actual figures may be higher.

Department	NET/ SLET/ GATE	Civil Service	Defence service	SSC/CSC/PSC	Others
Anthropology	4	...	...	1	7
Bengali	2	...	10	4	5
Chemistry	12	...	...	5	5
Economics	...	...	...	...	...
Education	3	...	5	10	...

English	...	...	...	...	...
Geography	14	1	...	5	...
Mathematics	1	...	...	2	...
Physics	...	...	...	...	...
Sociology	2	...	...	2	...
Statistics	...	...	...	...	4
Travel and Tourism Management	...	...	...	...	7

5.1.8. What type of counseling services are made available to the students (academic, personal, career, psycho-social, etc.)

- ❖ Academic and personal counseling of the students are undertaken by the departmental teachers themselves. Remedial and tutorial classes are taken to support the slow learners, while the advanced learners are groomed for their career progression.
- ❖ Career Counseling Cell of the College undertakes counseling services to enable the students imbibe soft skills. GSCASH maintains a proactive environment for gender sensitization among all the stakeholders.
- ❖ A Student Counseling Cell is in place to address psychological and other problems of the students. Expert counselors offer their services.

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 College has a structured mechanism for career guidance and placement assistance for its students. The Career Counseling Cell of the College organizes industry interactions involving various reputed agencies whereby the students can identify the knowledge gap and the means to bridge the same. Job opportunities are also discussed in such sessions.
- ❖ UGC Entry-in-services programme is running successfully in this College. Teachers have been imparting professional and life-skills to many aspirants from disadvantaged sections of the society.
- ❖ About direct placement of students through campus interview, it is indeed uncommon to see instances where companies have recruited fresh graduates-to-be from general degree colleges on the basis of their qualification only. As the market determined model of economy reserves mainly the non-technical jobs and back-office jobs for students from non-science disciplines of general degree

colleges, the placement related functions are getting more and more specialized in nature.

- ❖ People deeply associated with the contours of the industry will perhaps be able to shed more light on the nuances and inner dynamics of placement. So the Career and Counselling Cell of the College proposes to partner with the HR wings of major industry heavyweights and rope in their expertise to enrich the employability possibilities of our students.

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 College has an Internal Complaints Committee (ICC), formed as per the Vishakha guidelines. It also has a Grievance Redressal Cell where students can record their grievances.
- ❖ Complaint boxes have been placed in multiple strategic locations of the College. There is provision for Complaint-Box also to maintain the anonymity of complainants of harassments.
- ❖ Students are always encouraged to express their complaints and requirements freely. But no formal grievance/complaint has been reported in the recent past. The reason may be that the students have free access to the Officer-in-Charge and departmental Heads and are more comfortable to talk with the concerned administrative heads. The Officer-in-Charge always extends patient hearing student's complaints and immediately tries to resolve their problems. Departmental heads also try their best to sort out the problems with the help of the available infrastructure. For instance, students of a few departments expressed their displeasure about the non-availability of their preferred books. The issue has been handled effectively, while giving priority to their demand.

5.1.11. What are the institutional provisions for resolving issues pertaining to sexual harassment?

- ❖ An Internal Complaints Committee (ICC), formed as per the Vishakha guidelines, looks after the issues related to sexual harassment. Complaint boxes have been placed in multiple strategic locations of the College, while focussing on keeping the anonymity of complainants of sexual harassments intact.
- ❖ The ICC often takes drives for gender sensitization among all the stakeholders of the institution.
- ❖ The institution feels a legitimate pride to proclaim that, not a single case had been reported to the committee in the last five years due to strict vigilance exercised by the authority on the college campus.

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?

- ❖ Yes, there is an Anti-Ragging Committee in the College, comprising of senior teachers. “UGC Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009” is prominently displayed in the College website. Students are also made aware of the National Anti-Ragging Help Line (UGC Crisis Hotline) having the 24x7 Toll Free Number 1800-180- 5522 and the email helpline@antiragging.in. The information packs from the anti-ragging portals are displayed in the College website in both English and the vernacular.
- ❖ It should be mentioned here that no formal complaints related to ragging within the campus has been reported to the College Authority during the last four years or the recent past before. However, the college authority is not complacent on this front. Strict vigil is maintained to prevent and/or punish any untoward incidents.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

By various students welfare schemes, the college tries to provide a healthy environment for students. The schemes are:

- ❖ All the students of our college are member of „Students“ Health Home“. They are entitled to get free medical checkups, treatment and hospitalization (if necessary). The College also has made provision for first aid facility within the campus, to take care of minor healthcare issues on the campus.
- ❖ Book bank has been constituted to cater to the needs of the poor but meritorious students.
- ❖ Students’ aid fund or the Poor-Fund, is utilized for various requirements of individual students such as examination fees, educational tour expenses etc. The Officer-in-Charge of the college also uses his discretionary powers to waive the admission fees of needy students.

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?

- ❖ Yes, the institution has an Alumni Association. The IQAC has one member from among the alumni of the college. The Alumni Association of the college is very sincere in its concern for the college’s upliftment and deeply involved in the developmental activities that are carried out.
- ❖ Valuable suggestions regarding on-campus job recruitments were provided by the Alumni Association.
- ❖ Strong encouragement for organizing national and state level seminars was also offered by the Alumni Association.

- ❖ Different departments are in constant touch with their ex-students and their valuable feedback are invited.

Suggestions for improvement in sports facilities were provided by them.

5.2. Student Progression

5.2.1. Provide the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Department	Student progression (Against % enrolled)				
	UG to PG	PG to M. Phil.	PG to Ph.D.	Employed	
				Campus selection	Other than campus recruitment
Anthropology	40	-	-	-	-
Bengali	80	2	-	2	4
Chemistry	65	-	50	-	20
Economics	100	-	-	-	-
Education	88	2	-	-	-
English	20	-	-	28	10
Geography	80	85	50	-	-
Mathematics	25	-	-	-	-
Physics	57	-	-	-	-
Sociology	80	-	-	-	10
Statistics	100	0	0	0	0
Travel and Tourism Management	60	-	-	50	-

Above data are collected on the basis of communication with the students, who have passed out and those who have registered in PG courses in this institution. In the, recent years several companies like TCS LNT, WIPRO etc., visited the college coming for campus recruitment of the students.

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.

	Session											
	2013-14			2014-15			2015-16			2016-17		
Subjects	Pass percentage in final year (%)	No. of 1st class	Completion rate (of the same batch)	Pass percentage in final year (%)	No. of 1st class	Completion rate (of the same batch)	Pass percentage in final year (%)	No. of 1st class	Completion rate (of the same batch)	Pass percentage in final year (%)	No. of 1st class	Completion rate (of the same batch)
Anthropology	100.00	4	No data	100.00	0	No data	100.00	5	0.43	100.00	3	0.39
Bengali	98.04	0		95.83	0		98.46	3	0.80	95.74	2	0.56
Chemistry	100.00	4		80.00	7		85.71	4	0.67	100.00	3	0.53
Economics	100.00	0		NA	0		NA	0	0.00	100.00	0	1.00
Education	98.53	30		95.31	17		97.53	25	0.96	100.00	23	0.76
English	91.67	0		97.83	0		97.44	0	0.61	83.33	0	0.65
Geography	100.00	1		100.00	1		96.77	1	0.55	87.50	3	0.64
Mathematics	100.00	3		100.00	3		100.00	2	0.53	87.50	0	0.23
Physics	71.43	1		100.00	2		100.00	2	0.75	100.00	5	0.58
Sociology	100.00	1		92.59	1		100.00	1	0.44	100.00	0	0.28
Statistics	100.00	3		100.00	0		100.00	0	-	NA	NA	0.00
TTM	100.00	0		100.00	2		100.00	0	0.06	100.00	0	0.26
B.A. General	95.31	0		98.11	0		86.49	0	0.54	92.11	0	0.30
B.SC. General	100.00	0		100.00	0		100.00	0	0.22	100.00	0	0.09

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

- ❖ Post-Graduate Courses are offered by the Departments of Chemistry and Geography on a regular basis under the affiliation of Vidyasagar University.
- ❖ Post-Graduate Courses are offered by the Departments of Chemistry and Geography and Bengali in distance mode under Vidyasagar University.
- ❖ The institution has a branch of Netaji Subhas Open University (NSOU) where the students can avail under graduate and post graduate courses.

- ❖ The institute also provides infrastructure for pursuing Ph.D in collaboration with different Universities/Institutes.
- ❖ The institution has a Career Counseling Cell which encourage the students for placement in different sectors.
- ❖ The institution had the platform of UGC sponsored Entry in Services for different service programmes.
- ❖ There is continuous evaluation of the performance of the students through student seminars, group discussions, surprise tests etc.
- ❖ Facilitating experience with computers, different scientific equipments and different statistical softwares are in place.
- ❖ Direct community interaction is provided through field studies, educational tours etc.
- ❖ Continuous evaluations of practical exercises in laboratory based subjects are held.
- ❖ Remedial classes and peer learning to help the slow learners and the unprivileged groups to cope with their studies are organized.

5.2.4. Enumerate the special support provided to students who are at risk of failure and drop out?

- ❖ The failed students are given a chance to continue as per university rules on getting themselves readmitted.
- ❖ Economically challenged students enjoy financial support from this institution to continue their studies.
- ❖ Remedial classes are offered in all the departments for academically poor students.
- ❖ All departments of the institution conduct parent-teacher meetings on regular basis to discuss the procedure for the improvement of the performance of the students.

5.3. Student Participation and Activities

5.3.1. List the range of sports, games, cultural and other extra-curricular activities available to students. Provide details of participation and program calendar.

SPORTS & GAMES:

Outdoor

1. Cricket- Men
2. Soccer- Men
3. Volleyball - Men
3. Athletics –Men and Women
 - ❖ Sprint
 - ❖ Long jump

- ❖ High jump
- ❖ Shot put
- ❖ Discus
- ❖ Javelin
- ❖ Musical chair- Women only

Indoor

- ❖ Badminton
- ❖ Table Tennis
- ❖ Chess
- ❖ Carom

Gymnasium- separate for Men and Women

Annual sporting Events:

1. Annual sports- Held in December-January every year.
2. University sports- Held in January-February every year
3. Inter Government College Meet- January-February each year
4. State Inter University Meet- January-February each year

CULTURAL AND OTHER EXTRA-CURRICULAR ACTIVITIES

- ❖ Music
- ❖ Dancing
- ❖ Essay writing
- ❖ Drama
- ❖ Recitation
- ❖ Wall magazine

CO-CORRICULUR ACTIVITIES:

- ❖ College Social
- ❖ Foundation day
- ❖ Independence Day and Republic day are celebrated both in College and Hostel
- ❖ Vidyasagar Birthday Celebration
- ❖ Reunion
- ❖ Swaraswati Puja
- ❖ Vivekananda Birthday Celebration

Highlights of Achievers in Sports:

Session	position	Event	Name Of the Competition
2016-17	1st, 3rd & 5th Position	5 K.M.	Safe Drive and Safe Life Awareness Programme
2016-17	3rd Position	Javelin throw	Inter-College State Sports and Games, 2015-16 (District level) organised by Govt. of West Bengal
2016-17	3rd Position	High Jump	Inter-College State Sports and Games, 2015-16 (District level) organised by Govt. of West Bengal

2016-17	3rd Position	200 mtr.	Inter-College State Sports and Games, 2015-16 (District level) organised by Govt. of West Bengal
2016-17	Selected for University Level (01)	Kabadi	Inter-University Kabadi Tournament, East zone
2016-17	Selected for University Level (04)	Football	Inter-University Football Tournament, East zone
2016-17	Bengal Team represent (01)	Handball	39 Junior Girls National Handball Championship(under 19yrs)
2015-16	2nd position	Javelin throw	Inter-College State Sports and Games, 2015-16 (District level) organised by Govt. of West Bengal
2015-16	2nd position	High Jump	Inter-College State Sports and Games, 2015-16 (District level) organised by Govt. of West Bengal
2015-16	2nd position	200 mtr.	Inter-College State Sports and Games, 2015-16 (District level) organised by Govt. of West Bengal
2015-16	Runners	Badminton	west Bengal Inter-College Sports championship
2015-16	2nd position	200 mtr.	Inter-College Annual Athletics Meets at Vidyasagar University, 2015-16
2013-14	winner	football	Winner of State Level Govt. Annual Sports in Football competition , Purba Medinipur District
2012-13	winner	Football	Winner of State Level Govt. Annual Sports in Football competition , Purba Medinipur District
2012-13	winner	Kho- Kho	Winner of State Level Govt. Annual Sports in Kho- Kho , Purba Medinipur District

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.

Details of such achievements are being mentioned in the following table.

Achievements of Students in various competitions:

Year	Position	Events	Name Of the Competition
2017	2nd	Quiz	District Level programme on "75 th Anniversary of Netaji's great Escape" at Gope College Midnapur
2017	1st	Extempore Speech	Youth Parliament Programme at District Level

2017	2nd	Quiz	Youth Parliament Programme at District Level
2017	1st	Essay writing	District Level programme on "75 th Anniversary of Netaji's great Escape" at Gope College Midnapur
2016	2nd	Extempore Speech	Youth Parliament Programme at State Level
2016	2nd	Quiz	Youth Parliament Programme at District Level
2014	1st	Music	Inter - College Cultural Programme
2014	2nd	Quiz	inter-College Cultural Competition
2014	2nd	Quiz	Youth Parliament Programme at District Level
2014	2nd	Extempore Speech	Youth Parliament Programme at district Level
2014	3rd	Quiz	Youth Parliament Programme at Regional Level
2013	1st	Quiz	Youth Parliament Programme at District level
2012	1st	Quiz	Youth Parliament Programme at District level

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?

Formal and informal feedbacks are collected from graduate students, teaching and non-teaching staff, parents and recognized alumni to improve the performance of the institution in different academic aspects. Collected feedbacks are implemented, on the recommendation of IQAC, in different fields like question design, class digitalization and infrastructural facilities available at the College, class performance of teachers etc.

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.

Students of various Departments of the College publish their Wall Magazines periodically. These are displayed properly for nurturing the culture of extra-curricular activities.

Publication of student magazines

Different departments publish Wall Magazines annually at different points of time throughout the year. The hostels (Boys and Girls) also publish two separate wall magazines.

Departments	Name of the Wall Magazine
Anthropology	Aikyatan
Bengali	Nabankur
Chemistry	Rasayan Sambad
Education	❖ Phuljhuri ❖ Uttaran
English	Blossoms
Geography	Voyage
Physics	Future Physics
Sociology	Naba Agamon
Boys' Hostel	Unmesh
Girls' Hostel	Sadichcha

5.3.5. Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

Yes, the college has a democratically elected Student Council named as “Haldia Government College Students’ Union”. All regular and bona-fide students who pay tuition fees and Students’ Union fees are members of this Students’ Union by default. The Union Council is a body of class representatives, with the ratio of representation being 1:25 students. They are elected by the students of the college every year. The Union Council members in turn elect the office bearers of the Cabinet among themselves. The tenure of the elected body is one year. The present composition of the Students’ Union Cabinet of the college is given below:

Composition of the Students’ Union Cabinet for session: 2015-16:

- ❖ President: Tapadhan Patra
- ❖ Vice-President: Suparna Barik
- ❖ General Secretary: Asima Rani Panda
- ❖ Assistant General Secretary: Paban Murmu
- ❖ Cashier: Ganesh Barman
- ❖ Sports Secretary:
- ❖ Treasurer: Sk Sanju Ali
- ❖ Cultural Secretary: Subhankar Das
- ❖ Magazine Secretary: Prabir Das
- ❖ Library Secretary: Birup Kr. Das
- ❖ Boys' Common Room: Sk Safirul Sha
- ❖ Girls' Common Room: Latima Khatun
- ❖ Social Secretary: Subhajit Barman

Election process is generally conducted through the months of January of each year as per University schedule. The election schedule is prepared in consultation with the district administration. An Election Committee comprising the faculty members is constituted to oversee the election process. The Principal/Officer-in-Charge of the College is also the ex-officio President of the Students' Union.

The Students' Union is a highly active body looking after the welfare of the general students. The members of the Union always cooperate with the college authority to maintain the healthy academic atmosphere of the college. The members also extend their full cooperation during the process of admission, different games and sports events, Annual Sports and Athletic Meet, blood donation camp and other extracurricular activities. The union organizes various cultural programmes like Fresher's Welcome, Teachers' day celebration, Annual social function, Saraswati Puja etc.

A part of the fees collected from the students at the time of their admission, earmarked as Union Fees, is utilized by the Students' Union in running their various activities during their tenure.

5.3.6. Give details of various academic and administrative bodies that have student representatives on them.

Several academic and administrative bodies of the College have student representative to facilitate smooth running of policy and its implementation. These are as follows:

Governing Body:

Governing Body is the highest administrative body of the college. The GB takes decisions in connection with various developmental proposal of the college as a whole. The president of the Governing Body is the District Magistrate of Purba Medinipur. The General Secretary of the Students' Union is a member.

IQAC: This is an important body of the college entrusted with the responsibility of quality control and development planning. IQAC includes two students of Postgraduate departments.

Cultural Committee: The Cultural Committee keeps in contact with the Cultural Secretary, Students' Union to mobilize the students in conducting the cultural programmes.

College games and sports Committee: This committee also maintains steady connection with the Students' Union to mobilize the students in conducting various games and sports activities.

The College Development Committee: This is a General Committee outside the purview of the Teachers' Council, and has representation from all the direct stakeholders of the College. Along with teachers and non-teaching staff, the students also are an active part of this committee entrusted to look after the overall development of the College.

Equal Opportunity cell: The Cell emphasizes on creating a condition of equal access in the midst of diversity. As a measure of promoting inclusion and diversity at the institutional level a number of affirmative action programmes are undertaken by this College. The students' union has a role to play here in assisting to identify the broad thrust areas.

NSS Committee: The student members, who are also NSS Volunteers, play active part and motivate others in the different activities of the NSS Unit of Haldia Govt. College.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

The Officer-in-Charge is the chief patron of the Alumni Association. Meetings are held in the college and students and staff of the college collaborate with the Alumni Association in organizing outreach programmes. In this digital era of social networking, the college makes plans to use social media to integrate the Alumni. Soon the options for registration of Alumni members through the College website and integration of the portal with Facebook/ WhatsApp will be made available.

Former faculty of the college always keeps close contacts through formal and informal networks. The College tries to utilize their expertise in various fields.

*****Any other relevant information regarding Student Support and Progression which the college would like to include.**

The college strives to impart quality based higher education so that students can acquire knowledge and development skills to face the national and global challenges. The Officer-in-Charge and all the staff members strive to promote a peaceful academic environment of harmony and cooperation essential in the process of concentration and learning.



Teachers' Day Celebration by the students of Haldia Govt. College



Students' Union



Wall Magazine

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Vision, Mission and Objectives of the Institution

- ❖ As one of the two government-owned general degree colleges meant for the dissemination of higher education in the district of Purba Medinipur, this college has as its primary objective the strict observance of quality and standard relating to the study of different subjects.
- ❖ As an institute of higher education the college aims primarily at achieving the supreme goals of higher education and not just at developing an examination oriented competitive mindset among the students. The principles of character-building and inculcation of higher values in young receptive minds are the priority of our teaching-learning process.
- ❖ The Government's commitment to provide equal opportunities for all prospective students across social divisions of class, gender and income is fulfilled daily through the running of this college. Specially, the scope of pursuing quality higher education in exchange of comparatively lower tuition fees is one of the chief hallmarks of this college. Affirmative action in the form of special attention to the needs of weaker sections of the students is in place.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The top management Governing Body (GB), Principal and faculty act in perfect harmony to ensure a smooth functioning of the college administration and the essence of democracy is strongly reflected in the entire mechanism of policy formulation and implementation.

- ❖ The Governing Body President is an external member from Haldia Development Authority (HDA) and the Secretary is the Officer-in-charge of this college. Apart from that, Government representatives, V.C.'s nominee, Executive engineer and representatives of various stakeholders like teachers, non-teaching staff and students form the rest of the GB.
- ❖ Internal Quality Assurance Cell (IQAC) was established in 2013, which plans and implements infrastructural and academic upgradations. It comprises of the Officer-in-Charge (Chairperson), the Teacher's Council Secretary, several faculty members, student representatives, administrative/technical staff, nominee from the alumni association and external members in the form of representatives from the Government, University and Haldia Development Authority. The members of IQAC

- hold meetings with various stakeholders regularly, frame AQAR annually and have thus been able to contribute significantly as an advisory body as well as a vigilant monitoring unit of the college.
- ❖ In various Teachers' Council meetings held on a regular basis throughout the year, different committees comprising of the faculties are formed to handle different facets of academic and administrative responsibilities. Based on the various recommendations by the GB and the IQAC, quality policies and plans are formulated and implemented by the committees of the Teachers' Council in an efficient manner.

6.1.3 What is the involvement of the leadership in ensuring:

a) The policy statements and action plans for fulfillment of the stated mission:

The Principal, the IQAC and the GB of the college work together to ensure that the proper policy statements are timely followed up and the directives of UGC and the Higher Education Department of Government of West Bengal are sincerely implemented through adequate action plans. The Teachers' Council meetings are arranged on a regular basis to discuss the effectiveness of the action plans for fulfillment of the institutional mission. The IQAC arranges couple of meetings every year with faculty members, students, non-teaching staff, alumni and others for this purpose.

b) Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan:

The Teachers' Council forms various committees to formulate proper action plans for all operations. The Heads of the Departments are entitled to frame departmental action plans, keeping in mind the mission and vision of the institute. The plans and strategies of various segments are finally brought together in the Teachers' Council meetings and GB meetings, which assess and approve the plans and incorporate it into the institutional strategies.

c) Interaction with stakeholders:

Our institution believes in the "Team Work" which plays the key role for steady progress and prosperity of the college. All the stakeholders of our college consisting of the people who benefit and contribute towards our institution and the people who are connected to our college in any way (directly or indirectly), are integral parts of our college. The more we work as a team, the better we move forward towards our mission. Therefore, our institution takes the matter of interaction with the stakeholders very seriously. The stakeholders, in our case, are administration, teachers, students, non-teaching staff, parents, and local community associated with the college. The interactive sessions go as follows:

- ❖ The Principal meets the HODs at the beginning of every session to discuss about admission policy and criteria and specific requirements of the respective departments to conduct the classes properly.
- ❖ The Principal, the members of the IQAC and the GB keep interactions with the teachers, students, and other stakeholders in every possible ways formally or informally.
- ❖ The Principal and the IQAC meet with the students' representatives and non-teaching staff members regularly and their concerns are addressed.
- ❖ Parent-Teacher meetings are arranged by the respective departments to update the parents about the strength and weakness of their wards.
- ❖ The college nurtures an amicable atmosphere so that anybody may feel free to approach the administration and to express himself/herself.

d) Proper support for policy and planning through need analysis, research inputs, and consultation with the stakeholders:

Need based analysis: The leadership is involved in ensuring proper support for the policies undertaken. An effective feedback system and feedback analysis helps the administration to understand the necessities of stakeholders properly and to take adequate measures, which will support the action plans meant for the advancement of the institution. The IQAC collects feedbacks from the students about teachers' evaluation, library and laboratory facilities, internet facilities, and other infrastructural issues at the end of every session. Students' attendance and results of internal assessment are analyzed at the departmental level to ascertain student needs and action plan modifications. Similarly, in Teachers' Council meetings, necessities of faculty members are discussed and addressed.

Research inputs: The college encourages research activities and provides supports for policy and planning of every kind that is required. Research Committee is set up in order to look after the issues related to research inputs. The faculties are encouraged for major and minor research projects.

Consultation with the stakeholders: The top management consults with various stakeholders to ensure proper support for policy implementation. The student feedback system, Teachers' Council meetings, parent teacher meetings, IQAC interactions with faculty members, students' representatives, non-teaching staff, alumni and local administration, various committees such as Purchase Committee, Research Committee, Library Committee, Anti-Ragging Committee, GSCASH, Sports Committee, Women's Cell, Teachers' Council support effective execution of the action plans.

e) Reinforcing the culture of excellence and Champion organizational change:

The college always stands sentinel over our long-standing culture of excellence and is dedicated to maintain and uplift its standard by worthwhile organizational reforms. The relevant measures include:

- ❖ Constant attention is directed towards effective upgradation of knowledge base of all teaching staff by ascertaining participation in Refresher Courses, Orientation Programmes, Research, Seminars and Workshops etc.
- ❖ Individual Departments are persuaded to organize seminars, workshops to upgrade the knowledge base of the students also.
- ❖ A student-friendly online admission interface has been introduced and used for last few years.
- ❖ Smart classrooms and departmental libraries have been constructed.
- ❖ As advised by the IQAC, the NSS units have become highly active and arrange seminars and rallies on burning social issues like gender violence, thalassemia awareness, drug addiction, the history and legacy of language.
- ❖ Initiatives taken to open post-graduate courses in the Chemistry and Geography department.

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?

The institution adopts certain procedures to monitor and evaluate policies and plans, and keeps a regular check on their effectiveness and worthwhile improvisations. This particular goal is achieved by forming specific committees to look after specific regimes of college infrastructure, academics and administration. These committees are decided in Teachers' Council meetings and approved by the Governing Body. The committees composed of the faculty members, are dedicated to carry out the tasks assigned to them. Following are the details of the committees formed:

Sl no.	Name of the Committee	Purpose
1.	Examination Sub-Committee	Conducts the college and university examinations in a well-organized and disciplined manner.
2.	Admission Sub-Committee	Oversees the student admission process for various courses.
3.	Internal Quality Assurance Cell (IQAC)	Assures high quality performance of the students, teaching and non-teaching staff and maintains coherence between functioning of various institutional bodies

4.	NAAC Sub-Committee	Takes care of the requirements for regular NAAC evaluation
5.	Research Project Sub-Committee	Looks after official formalities related to the research endeavor by faculty members of the college
6.	Purchase Sub-Committee	Annual purchase planning and relevant tasks are looked after by this committee.
7.	Academic Sub-Committee	Prepares the master routine, approves the departmental routine and takes care of other academic matters
8.	UGC Sub-Committee	Takes care of the UGC guidelines and their proper implementation.
9.	Income Tax Sub-Committee	Monitors proper submission of IT returns by the employees.
10.	Service Matters Sub-Committee	Looks after various issues related to the service and helps to resolve them.
11.	Seminar and Symposium Sub-Committee	Helps to organize seminars and symposiums in the college.
12.	Students' Welfare and Students' Union Sub-Committee	Students' welfare including scholarships and activities of students' union is monitored by this committee.
13.	Students' Hostel Sub-Committee	The problems and requirements of the Boys' and Girls' hostels are addressed by this committee.
14.	Sports Sub-Committee	Encourages students to take part in various sports and looks after the necessary formalities.
15.	NSS Sub-Committee	National Service Scheme activities are monitored by this committee.
16.	Library Sub-Committee	Oversees activities of central and departmental seminar libraries
17.	Youth Parliament Sub-Committee	Encourages students to participate in debates concerning various socio-economic issues and relevant policies adopted by the Government.
18.	Disciplinary Sub-Committee	Implements disciplinary actions necessary in various situations.
19.	Career Counselling and Placement Cell	Helps students by giving proper guidance about prospective career choices.
20.	Gender Sensitization Committee Against Sexual Harassment (GSCASH)	Raises awareness about gender-based maltreatments.
21.	Equal Opportunity Cell	Takes care that all facilities of the institution are equally accessible to all the pupils across all socio-economic strata.

22.	Grievance Cell	Addresses academic and non-academic grievances of the students.
23.	Women's Cell	Looks after the adversities faced by the womenfolk in the college.
24.	Anti-Ragging Sub-Committee	Takes strict action against any complaint of ragging in the campus and endeavours to make the college campus a ragging-free and harmonious zone.
25.	Building Monitoring Sub-Committee	The duty of overseeing proper maintenance of the college building is assigned to this committee.
26.	A.N.O. of N.C.C.	Monitors and guides NCC activities.
27.	Canteen Sub-Committee	Strives to upgrade canteen facilities after standard rules and practices.
28.	Data Management and AISHE Sub-Committee	Carries out the tasks of collection, arrangement, storage and supply of the data related to the college and its employees and carries out task-oriented activities.
29.	Reunion Sub-Committee	Arranges Reunion of the Alumni.
30.	Coordinator Kanyashree Prakalpa	Monitors Kanyashree applications and proper disbursement of the stipend amount.
31.	Website Monitoring Committee	Monitors and updates the college website, its appearance, organization and college details available in it.
32.	Culture Sub-Committee	Assumes lead role in organizing various cultural programs.
33.	Students' Counselling Sub-Committee	Monitors the mental health and hygiene of the students and arrange for counselling if necessary
34.	SC/ ST Complaint Cell	Address if any grievance raised by reserved candidate during admission process.
35.	Internal Complaints Committee and Special Cell	Address all types of complaints raised by different stakeholders of the college.

6.1.5 Give details of the academic leadership provided to the faculty by the top management.

The top management empowers the faculty members by providing strong academic leadership as follows:

- ❖ Faculty members organize seminars funded by UGC or state government in the respective departments.
- ❖ They are encouraged to take up research projects funded by UGC, DST and other funding agencies.

- ❖ They are encouraged and supported in making use of the latest technologies as unconventional modes of classroom teaching. Computer and internet facilities, projectors, smart classrooms are provided to the faculties based on need analysis.
- ❖ The Heads of the departments have the freedom to formulate and execute specific plans for the progress of the respective departments.
- ❖ Encourage participation of faculty members to participate in national, international, regional, topical conferences, seminars etc. and to present papers there.

6.1.6 How does the college groom leadership at various levels?

The college grooms leadership at various levels to ensure functional decentralized administrative machinery. At the student level, there is Students Union that takes care of needs and grievances of the students' community and communicates the same to the top management. There are student representatives in the IQAC to express the view of the students' segment. In the Boys' and Girls' hostel, there are hostel committees consisting of hostel boarders, which deals with the issues related to the hostel infrastructure including food quality, building maintenance. At the departmental level, faculty members are assigned various academic and administrative responsibilities relevant to the smooth functioning of the college as a whole. They are encouraged to take up research initiatives also. The faculty members organize national seminars and workshops funded by UGC or state government, where students act as volunteers. The NSS units and Women's cell are active in arranging awareness programs on various social issues like gender violence, drug addiction, thalassemia camp etc. The Principal invites suggestions from the faculty members, non-teaching staff and students' union on crucial matters related to the institute. In this way, our institute strives to ignite the spirit of leadership at every level by creating an environment of active participation and freedom of decision-making.

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?

Under the able leadership of the top management and pioneering guidance of the principal, the departments/units enjoy operational autonomy in academic matters. The departments take decision on the class routine, syllabus distribution among faculties, internal examinations, upgradation of classroom and laboratory infrastructure and instruments or consumables to be purchased (within budget limit approved by the purchase committee). Also from contingency fund, departments can purchase several items additionally required for teaching and other academic affairs. For departmental library, departments can purchase books of their choice within the approved budget. Furthermore, decentralization is ensured by formation of committees comprising of senior experienced faculty members, which oversee administrative matters as follows:

- i) Academic Committee

- ii) Purchase Committee
- iii) Disciplinary Committee
- iv) Research Committee
- v) IQAC
- vi) Students' Affair Committee
- vii) Library Committee

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

Yes, the college promotes a culture of participatory management, where every stakeholder enjoys an opportunity to participate in the management process and to provide valuable feedback, suggestion and ideas for development of the institution. The different ways in which the stakeholders can play active role in the management of the college are as follows:

- i) Governing Body Meetings
- ii) IQAC meetings
- iii) Teachers' Council Meetings
- iv) Departmental Meetings
- v) Meetings of Principal with the Heads of the Departments and Members of non-teaching staff and Students' Union
- vi) Suggestion Box / Open Register

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 institution has a "Quality Policy" which is framed keeping in mind the mission and vision of the institute. The supreme goal of the college is to become a light beacon of education and to redefine education as an enlightening blend of knowledge, skill, innovation and sublime human values that come with the emancipation of mind. It is developed and driven by an efficient mechanism of decentralized administration. The policy is deployed and always kept under strong review by regular collection of feedback and analysis thereof.

- i) The teaching-learning process is consistently upgraded with latest technologies and ever-expanding knowledge base of the academic community.
- ii) Students are always encouraged to think out-of-the-box and develop genuine attraction for the subject. Students' seminar, group discussion and debate are organized to enhance their depth of understanding.
- iii) Progress of students is monitored by periodical assessments and vigilance over their attendance.

- iv) Teacher-evaluation system by the students is very effective in maintaining teaching-learning standards.
- v) The research projects taken up by the faculty members add that inevitable edge to the academic environment of the college.
- vi) Competency of the teaching staff is enhanced by sanctioning leave to attend Refresher Courses/ Orientation Programmes.
- vii) The top management and the principal discuss with the teaching staff, non-teaching staff and students to sort out issues related to the institution to ensure smooth functioning of the college machinery and advancement towards better prospects. The Teachers' Council meetings, IQAC meetings and Governing Body meetings ensure proper deployment of the stated quality policy.
- viii) Different committees composed of faculty members (Art. 6.1.4) ensure that academics, finance, purchase, admission Teachers' Council procedures are carried out according to the stated quality policy. These committees are also vigilant about providing equal opportunity to the stakeholders of all socioeconomic strata, prevention of sexual harassment, proper redressal of students' grievances and ragging complaints, ensuring adequate library facilities, development of athletic skills and many such other aspects of the institution. These committees also see to it that the quality policy of the institute is developed and deployed in all activities of the college and the committees review the policies properly by feedback system and direct monitoring. The measures required to ensure proper policy exercise are recommended by these committees which are placed in the meetings of Teachers' Council and that of GB for final approval and execution.

6.2.2 Does the institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes, the institute has a perspective plan for development. The following aspects are considered for inclusion in the plan:

- i) Career Guidance (Competitive exams, Improvement of Communication skills, Software handling training, arrange to bring in more companies for campus recruitment)
- ii) Utilization of advanced technology in teaching and learning (internet, Wi-Fi, hotspots)
- iii) Research Initiatives (MRPs, seminars etc.)
- iv) Academic exposure (Lab visits, Knowledge about latest innovation in the respective subjects, students' seminar)
- v) Proper fulfillment of academic programmes according as the Curriculum (remedial classes, vigilance over teacher student attendance, regular assessments, frequent assignments, subject allotment according to respective specialization, to check if syllabus is covered)

- vi) Scholarship Guidance
- vii) Environmental Awareness (plantation)
- viii) Upgrading physical infrastructure (building maintenance, repair of water supply, renovation of hostel)
- ix) Computerization of library facilities.
- x) Upgradation of Laboratory facilities
- xi) Introduction of more and more post-graduate programmes.

6.2.3 Describe the internal organizational structure and decision making processes.

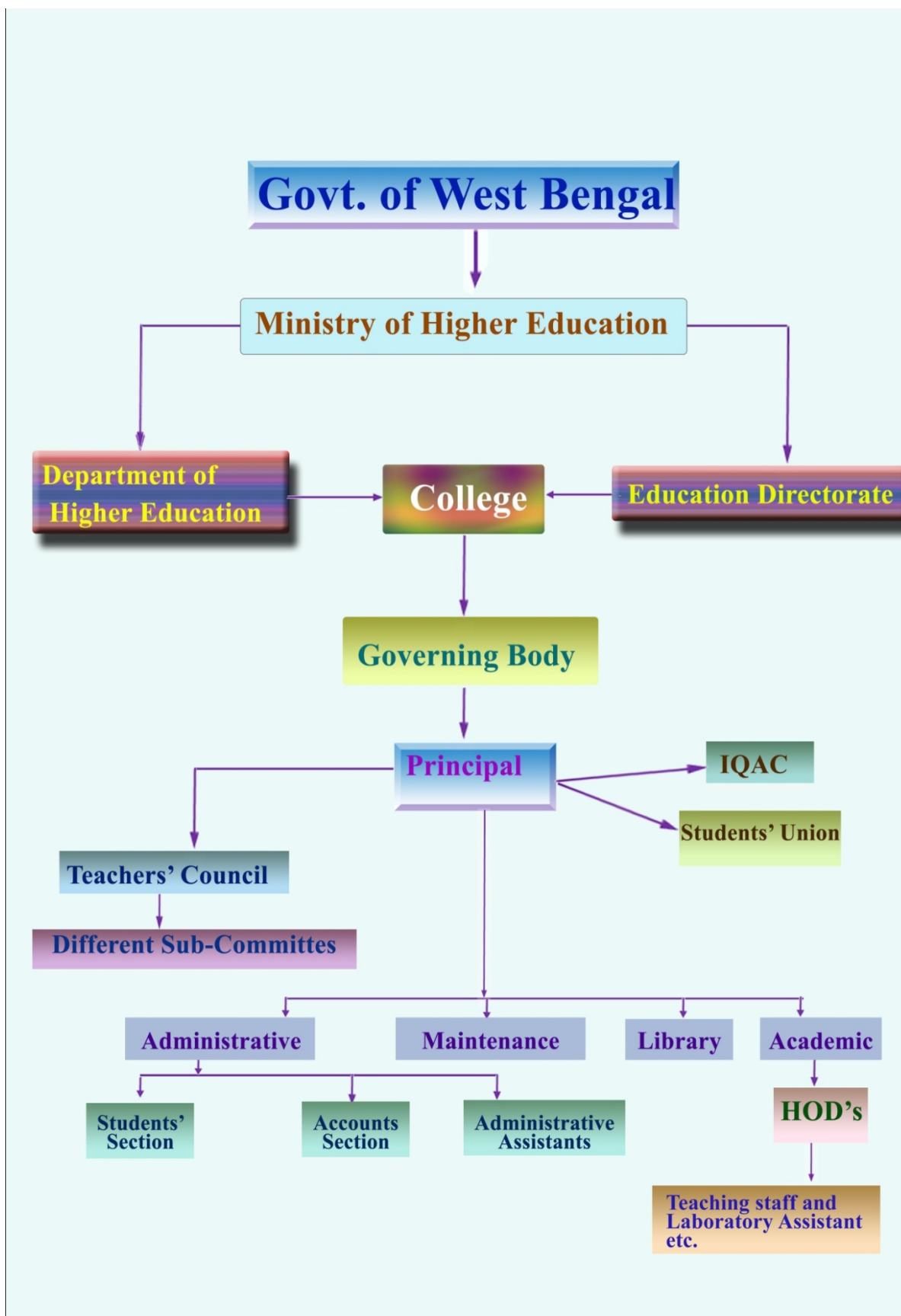
Details organizational structure is given in the next page.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following:

a) Teaching and Learning:

- i) Introduction of advanced technology: ICT, audio-visual aids
- ii) Smart classrooms
- iii) Orientation Program and Refreshers' Course
- iv) Teachers evaluation feedback
- v) Students seminar and wall magazines
- vi) National seminars and workshops
- vii) Library facilities
- viii) Laboratory facilities

Internal organizational structure of the Institution:



- ix) Periodical assessments and vigilance over students' attendance
- x) IQAC checks curriculum completion and regularity of classes
- xi) Research initiatives
- xii) UGC-sponsored Remedial classes
- xiii) Field and industry visits
- xiv) Communication and software skills
- xv) UGC-sponsored entry in services coaching for reserved and PWD:
- xvi) Tutorial classes for weaker students
- xvii) Online study materials

b) Research and Development:

- i) Major and minor research projects
- ii) Infrastructural support

c) Industry interaction:

TTM department interacts with different institutes and organizations in provincial, national and international tourism industry. Postgraduate students from Chemistry department go for industry visit as a part of their course curriculum.

6.2.5 How does the head of the institution ensure that adequate information (from feedback and personal contacts Teachers' Council) is available for the top management and the stakeholders, to review the activities of the institution?

The principal of the institution ascribes the responsibility of collecting feedback in the form of the questionnaire to the IQAC. Apart from that, there is a complaint box at the entrance of the college (adjacent to the college office). Separate committees (like sexual harassment cell, women's cell, anti-ragging committee and equal opportunity cell etc.) have been formed to provide a platform to the students to express their views, opinions, and grievances. The IQAC meets representatives from all segments of the stakeholders to directly be in touch with them and collect information about the real situation. The principal invites suggestions and seeks feedback on various issues ranging from academic to socio-economic from the non-teaching staff, students union representatives and teachers council by meeting them directly. Above all, there is an amicable ambience pervading the college which allows all the stakeholders to interact with each other freely and there is free exchange of information about the status of different activities in the college. All such information are available with the principal and eventually with the top management. This enables a systematic and disciplined approach towards full-fledged implementation of the desired policy and planning.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and the efficiency of the institutional processes?

The management encourages and supports the active participation of both teaching and non-teaching staff in the governance mechanism to ensure efficiency and fluidity of the institutional management processes. There are different layers of participatory management whereby the staff can be involved in the institutional processes:

- i) **Governing Body:** The highest policy making body of the college has representatives from the staff. This body is responsible for the policy formulation and chalking out the guideline for their proper implementation. All the recommendations from various bodies are implemented following the final approval of this Governing Body.
- ii) **Teachers' Council:** The Teachers' Council forms different committees (Art. 6.1.4) to take care of different aspects of academics, infrastructure and administration.
- iii) **IQAC:** The IQAC has representatives from teachers as well as administrative/technical staff. This cell strives to maintain the standard of the institution by sincerely monitoring the institutional processes and giving worthwhile suggestions.
- iv) **Departmental autonomy:** The head of the departments discuss with the faculty members and take decisions about the class routine, teaching load distribution, internal assessment calendar, recommendations for library books and other office items to be purchased, lab equipment and consumables to be purchased, field work or lab visits and the necessary upgradation of physical infrastructure of classrooms and laboratories. These decisions are communicated to the Principal and they are supported after proper consideration.
- v) **Feedback system:** The opinions and suggestions of the teaching faculties and non-teaching staffs are always invited and heeded to in various meetings between the stakeholders and the management.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Status report of the GB meetings and GB resolutions are enumerated below:

Date	Meeting no.	Resolution taken	Status
24/03/2015	4	1. Unanimously resolved that the college will go ahead with its drive for NAAC re-accreditation.	Preparation is going on.
		2. Unanimously resolved that new academic and administrative blocks should be constructed in the college premises in the earliest. The PWD be approached for planning.	Letter has been given to PWD but no cost estimate received till date.
		3. The PWD be approached for resuming	Renovation work done.

		of renovation work. The Hon'ble CEO advised the Officer-in Charge to submit a proposal for improvement of water supply. He gave assurance that he will look into the matter.	Installation of two pumps has been sanctioned by the state government.
		4. The Government be approached for renovation of Teachers' Hostel.	Cost estimate has been submitted to the DPI and Joint Secretary Higher Education department, Government of west Bengal.
		5. PWD will provide estimate of total cost for construction of the entire boundary wall.	Letter has been sent with estimate of cost prepared by the PWD.
		6. Gym and auditorium cost estimate to be submitted by the PWD.	No cost estimate received till date.
		7. Unanimously resolved that new arts subjects be opened in the college. Proposal to be submitted immediately to the Government for the purpose.	Pending Government approval for four subjects Political Science, History, Philosophy, Sanskrit.
		8. A copy of the holiday list be sent to the CEO for approval.	Already approved.
		9. Shortage of non-teaching staff. Application with detailed requirements be sent to the Government for this.	Several official communications have been made in this regard.

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?

Yes, there is partial autonomy at the PG level of Chemistry and Geography department. The syllabus is formulated by the university. But the questions for Examinations may be framed by the college subject to proper moderation under the guidance of the Board of Studies of the University.

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 is always vigilant about the grievances occurring in the campus and is dedicated to resolve them and to promote an environment that prevents further such occurrences. There are separate cells to address specific types of grievances:

- a) Women's cell
- b) Anti-ragging cell
- c) Equal Opportunity cell
- d) Gender Sensitization Committee Against Sexual Harassment (GSCASH)

Apart from this, there is a vibrant students' union where students can communicate their problems and Class Representatives (CR) are free to interact with the Principal or other faculties regarding relevant issues. Students' representatives are also members of the Governing Body and IQAC, whereby the top management may interact with the students directly and resolve grievances, if there are any. As far as the grievances of the teachers are concerned, the Teachers Council takes care of the issues and effective measures are taken in the Teachers' Council meetings. The non-teaching staff can air their grievances to the Principal directly or to the IQAC.

The nature of the grievances are analyzed and steps are taken to raise awareness so that grievances occur less frequently. A number of seminars and workshops have been organized by the grievance cells and NSS units throughout the year, aiming to encourage debate and group discussion and thereby raise the sense of social responsibility in the students. Following seminars and workshops have been organized in last four years:

- i) **State-level two day Workshop on Gender Sensitivity and Sexuality**, (2016) organized by GSCASH.
- ii) **World AIDS day rally** and awareness generation initiatives at nearby slum areas by NSS units.
- iii) **Anti-Drug (Substance abuse) rally** in collaboration with Haldia Police Station by NSS units.
- iv) **Two Thalassemia detection camp** in collaboration with Thalassemia Society of Midnapur District by NSS units.
- v) **Investment Awareness Generation Programme** in collaboration with **Securities and Exchange Board of India (SEBI)** by NSS units.
- vi) Seminar on **“International Mother Language Day: History, Tradition and Legacy”** organized by NSS along with cultural programmes by the students to celebrate International Mother Tongue Day.
- vii) Seminar on **“Violences: Everydayness and Extraordinary”** organized by NSS in an attempt to foster notions of gender equality.
- viii) The NSS units have started a blog to disseminate information related to NSS activities of the college (**url: <http://nsshgc.blogspot.in/>**)

- ix) A Special Camp was organized in the adopted slum areas on “**Life Style Management Awareness**”.
- x) Organization of **Legal Awareness Camp** by NSS units.

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 court case has been filed in the last four years.

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, the institute has an effective mechanism for analyzing student feedback on various institutional activities. The institute has always considered the feedback information with utmost importance and utilized them in reviewing the policies adopted by the institutes and modifying them according as the needs of the students. The feedbacks collected in the form of questionnaire are analyzed by the IQAC. Feedbacks gathered by direct personal contact between teachers and students, or from the students approaching grievance cells, or from the communications of the students’ union with the Principal have yielded proper resolution of the matter and steps are taken by the institute to prevent recurrence of such issues.

- ❖ Based on the student feedback on academic issues, new methods and ideas have been incorporated into the conventional teaching-learning strategies.
- ❖ Physical infrastructure of the classrooms and laboratories has been upgraded according to the needs of the students found in the feedbacks.
- ❖ Library facilities and internet facilities have been modernized following the analysis of the students’ feedback on these issues.
- ❖ After receiving the students’ feedback on overall institutional ambience in terms of report of various grievances, steps have been taken to resolve them and workshops and seminars have been organized to promote general awareness.

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?

Professional development is a continuous process and the teachers regularly participate in Orientation Programmes, Workshops and Refresher Courses conducted by the various Academic Staff Colleges of the Universities, as per UGC norms and Govt. rules. The teachers are encouraged to be members of PG and UG Board of Studies of the affiliating

University and are also encouraged to act as the Head Examiner, Examiner, Scrutinizer, Paper Setter, Moderator of different Universities and other organizations conducting different examinations. The teachers are also deputed to take the charge of the college unit of Netaji Subhas Open University (NSOU).

For financial work non-teaching staff have been trained in the use of COSA and HRMS softwares and e-Bantan system. At present most of the Group-C staff members are computer literate.

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.

As per existing UGC norms, the teachers have to participate in orientation programme and refresher courses for their career advancement and continuous self-enrichment. The college cannot release all the teachers of a department at a time to participate in these courses. Teachers are being released ensuring that their classes will be shared by the rest of the teachers in his temporary absence so that students are not deprived of their regular teaching routine.

For any professional training it is departmentally resolved who will participate in which training. Teachers are provided on-duty leave to attend various faculty improvement programmes. To the teachers, the major motivating factor is the success of their students, not only, in the university examinations but in their future careers also. The College authority always takes initiative to appreciate the qualities, which are very special to the individual as a teacher – this always boost the morale of the individual, motivate them to pursue further in the desired direction.

The ability and opportunity to conduct funded research and acceptance of papers by peer-reviewed and international journals motivate teaching staff to expand research activities. Moreover, increasing provision of updated research facilities like equipments, satellite imagery, journals, internet facilities etc. empower the faculty to conduct higher level research.

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.

For Teaching Staff: The performances of the teachers are evaluated primarily on the basis of the information from:

- i) the departmental heads
- ii) the feedbacks provided by the students and
- iii) directly by the Principal.

The teachers maintain self-appraisal reports on a daily basis and also specific self-appraisal reports as prescribed by the University Grants Commission and approved by the Government at the time of every upward movement (through Career Advancement Schemes).

Moreover, the Principal furnishes Annual Confidential Report for each and every faculty member to the Director of Public Instructions and also Special Confidential Report (SCR) as and when required in prescribed format.

For Non-teaching Staff: the non-teaching staffs of the College belong to two categories: Group-C and Group-D. They are posted in different departments and also in the Office of the Principal. They normally work according to the instructions issued by the teachers including the Head of the departments. Thus the performances of these departmental staffs are evaluated by the teachers and also by the Head of the concerned departments. The Principal also keeps watch through his machineries regarding the performances of the staff. There is scope of Career Advancement Schemes for non-teaching staff as well. They are evaluated by the concerned departments in accordance with the prescribed proforma issued by the Director of Public Instructions, Government of West Bengal. Any disciplinary action against any staff is to be taken as per West Bengal Service Rules. The Principal has to forward Annual Confidential Report and Special Confidential Report to the Education Directorate for confirmation of service of Group C staff.

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?

The Government can issue orders in case of any allegation against teaching or non-teaching staff which the Principal has to implement. The Principal can issue “Show Cause” letters to communicate the requirement for explanation or Government directives or censure.

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?

- ❖ The welfare schemes for the staff and faculty are mainly those which are available to all Government employees.
- ❖ There is a provision for residential quarters for faculties and non-teaching staff in Government Housing Estates.
- ❖ All faculty members and support staff are also entitled to get free medical treatment for them and their families in all Government Hospitals as per existing rules.
- ❖ There is a State Government Health Scheme, 2008. An employee entitled with this scheme can get cashless medical benefit upto Rs. one lakh and full reimbursement of the cost of his/her medical treatment and treatment of his/her family members in

different registered Private as well as Government hospitals. However, the employee has to forego the monthly medical allowance (Rs.300/- per month) from his salary. About 70% of the total teaching staff avails of the above welfare scheme.

- ❖ The non-teaching staff are offered bonus during the festive Puja season.
- ❖ Almost 100 percent of the Non-Teaching staff avail of the above mentioned welfare schemes.

6.3.6 What are the measures taken by the institution for attracting and retaining eminent faculty?

Since it is a Government Institution the Principal and the Governing Body of the College have no authority to attract or retain any whole time faculty. The recruitments of the faculties and librarians are done by the Higher Education Department of the Government of West Bengal on the recommendation of the Public Service Commission (PSC), West Bengal as and when required. The matter of retention of the faculties is controlled by the Directorate of Public Instructions and the Higher Education Department. The transfers of the faculties among the different Government colleges in West Bengal are a routine matter and in most of the cases a substitute is provided while issuing transfer order for an existing teacher.

However, after retirement of any eminent teacher, if there is scarcity of teachers in the respective department, the college can send a proposal to the Higher Education Department to engage them as guest lecturer against a stipulated honourarium.

6.4 Financial management and resource mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resource?

A number of committees consisting of teaching and/or non-teaching staff are constituted every year to ensure democratic decision making regarding purchases and to monitor the utilization of resources. Head of the Departments are members of the Committees. Tender quotations are invited for purchase of different equipments, chemicals, stationeries under the supervision of Purchase Committee consisting of a Convener & members of teaching staff as well as representative of non-teaching staff. UGC and Higher Education Department, Govt. of west Bengal sanctions grants each year for purchasing equipment, books, chemicals, office stationeries etc. All these items are purchased through proper tender-based quotations. Payments are made by the Treasury Office.

Salary is billed through the Human Resource Management System (HRMS). Financial resources are being received directly into bank accounts and the State Government has introduced the mechanism of e-Pradan and e-Billing system thereby making the system

computerized. Records of purchases, bill and cheque registers, stock books, scholarship registers showing receipts and disbursements are maintained and regularly updated. Each committee has its own registers for maintaining records.

6.4.2 What are the institutional mechanisms for internal and external audit? What was the last audit done and what are the major audits objections? Provide the details on compliance.

The last audit was conducted during 10.09.2015 to 19.09.2015 by the Audit and Accounts Department of the Government of West Bengal for the period 01.02.2011 to 31.08.2015. The major audit queries were:

- i) Retention of library books valuing Rs 46,000/- by the students and staff.
- ii) An account of furniture, computer and stationary articles of Rs 1.54 lac.
- iii) Non-revision of contractual load, unavoidable expenditure on electricity demand charges of Rs 4.65 lac.

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 State Government bears all the expenditures including salaries, electricity and telephone bills and gives development grants. Sanction of grants for repair, renovation, maintenance and construction are provided by the Government of West Bengal and are carried out by the PWD (Construction & Electrical).

FINANCIAL INFORMATION (During Financial year 2014-15)

Income			
Sl. No.	Items	Amount (in thousands)	Amount in Absolute Rupees
1	Grants Received from		
i)	University Grants Commission	0	0
ii)	Distance Education Council	0	0
iii)	Other Central Government Departments	0	0
2	Grants Received from State Government	36,722.875	36,722,875
3	Grants Received from University	0	0
4	Grants Received from Local Bodies	0	0
5	Donations	0	0
6	Tuition Fee	1,393.47	1,393,470

7	Other Fees	0	0
8	Interests	0	0
9	Sale of Application Form	0	0
10	Other Income	0	0
	Total	38,116.345	38,116,345

Expenditure			
Sl. No.	Items	Amount (in thousands)	Amount in Absolute Rupees
1	Salary, Allowances & Retirement Benefits	38,141.833	38,141,833
2	Buildings (Construction and Maintenance)	0	0
3	Library & Laboratory	443.816	443,816
4	Research Activities	0	0
5	Scholarships	0	0
6	Other Expenses	0	0
	Total	38,585.649	38,585,649

FINANCIAL INFORMATION (During Financial year 2013-14)

Income			
Sl. No.	Items	Amount (in thousands)	Amount in Absolute Rupees
1	Grants Received from		
i)	University Grants Commission	1569.4	1,569,400
ii)	Distance Education Council	0	0
iii)	Other Central Government Departments	0	0
2	Grants Received from State Government	49,956.89	49,956,890
3	Grants Received from University	0	0
4	Grants Received from Local Bodies	0	0
5	Donations	0	0
6	Tuition Fee	110.533	110,533
7	Other Fees	0	0
8	Interests	0	0
9	Sale of Application Form	0	0
10	Other Income	0	0
	Total	51,636.823	51,636,823

Expenditure			
Sl. No.	Items	Amount (in thousands)	Amount in Absolute Rupees
1	Salary, Allowances & Retirement Benefits	284,926.637	284,926,637
2	Buildings (Construction and Maintenance)	0	0
3	Library & Laboratory	1,226.277	1,226,277
4	Research Activities	29.4	29,400
5	Scholarships	386.4	386,400
6	Other Expenses	0	0
	Total	286,568.714	286,568,714

FINANCIAL INFORMATION (During Financial year 2012-13)

Income			
Sl. No.	Items	Amount (in thousands)	Amount in Absolute Rupees
1	Grants Received from		
i)	University Grants Commission	913.75	913,750
ii)	Distance Education Council	0	0
iii)	Other Central Government Departments	0	0
2	Grants Received from State Government	47,799.807	47,799,807
3	Grants Received from University	0	0
4	Grants Received from Local Bodies	0	0
5	Donations	0	0
6	Tuition Fee	956.852	956,852
7	Other Fees	48.55	48,550
8	Interests	0	0
9	Sale of Application Form	0	0
10	Other Income	0	0
	Total	49,718.959	49,718,959

Expenditure			
Sl. No.	Items	Amount (in thousands)	Amount in Absolute Rupees
1	Salary, Allowances & Retirement Benefits	26,689.847	26,689,847
2	Buildings (Construction and Maintenance)	0	0

3	Library & Laboratory	4,632.09	4,632,090
4	Research Activities	0	0
5	Scholarships	549.96	549,960
6	Other Expenses	403.987	403,987
	Total	32,275.884	32,275,884

FINANCIAL INFORMATION (During Financial year 2011-12)

Income			
Sl. No.	Items	Amount (in thousands)	Amount in Absolute Rupees
1	Grants Received from		
i)	University Grants Commission	6,936.47	6,936,470
ii)	Distance Education Council	0	0
iii)	Other Central Government Departments	0	0
2	Grants Received from State Government	57,841.687	57,841,687
3	Grants Received from University	0	0
4	Grants Received from Local Bodies	0	0
5	Donations	0	0
6	Tuition Fee	849.814	849,814
7	Other Fees	67.45	67,450
8	Interests	0	0
9	Sale of Application Form	0	0
10	Other Income	0	0
	Total	65,695.421	65,695,421

Expenditure			
Sl. No.	Items	Amount (in thousands)	Amount in Absolute Rupees
1	Salary, Allowances & Retirement Benefits	24,563.099	24,563,099
2	Buildings (Construction and Maintenance)	0	0
3	Library & Laboratory	6,065.39	6,065,390
4	Research Activities	1,030.72	1,030,720
5	Scholarships	774.81	774,810
6	Other Expenses	1,889.324	1,889,324
	Total	34,323.343	34,323,343

- ❖ Scholarships for students are received from WBMDc (for SC, ST, OBC & Minority), West Bengal Government Merit & Means scholarship and Chief Minister's Fund. The last two are directly credited into the bank accounts of the beneficiary students. Only WBMDc sends maintenance allowance in the name of the Principal which is then disbursed to the respective students.
- ❖ Since this is a purely Government run college no reserve fund/corpus fund is available with the institute.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

- i) Proposal for Major and Minor Research projects have been forwarded to UGC, ICSSR & DST.
- ii) Proposal for repair, renovation & construction have been made to the State Government.

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC)

a) 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?

The institution has an Internal Quality Assurance Cell. It was formed on 21.07.2013 as a logical corollary to the NAAC visit to our college in 2007. Our institution was graded "B" with score 71.2% by the NAAC peer team. Since its inception the IQAC has been continuously trying its level best to ensure the high quality of performance of its students and members of the teaching and non-teaching staff. Its institutional policy includes regular departmental meetings, parents-teachers meetings, tutorial and remedial classes organized specially for weaker students, industrial visits and educational tours, co-curricular and extra-curricular activities, extension lectures, community service, seminars and workshops, environmental awareness, financial assistance to meritorious and needy students etc.

b) How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?

The IQAC submitted AQARs for last four academic sessions starting from 2011 to 2015. They have been approved by the management. As per AQARs, the institution during the last few years regularly held departmental meetings and parents-teachers meetings,

science fair, cultural programmes, rendered special financial help to needy and meritorious students, helped teachers participate in Orientation Programme, Refresher Course, seminars, workshops and symposiums of state, national and international level, conducted educational tours and industrial visits for students etc. The institution paid special attention to promote social and environmental awareness among its students. The students submitted projects on environment. The students received different types of government scholarships. Similarly, teachers also received funds for research by UGC, CSIR, ICHR and other funding agencies.

c) Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Yes, there are external members included in the IQAC. Their names are:

- i) Dr. Nimai Masant, Officer-in-Charge. Jhargram Raj College
- ii) Mr. Ujjwal Kumar Sengupta, IAS, CEO, Haldia Development Authority

The external members offer valuable suggestions on many an occasion.

d) How do students and alumni contribute to the effective functioning of the IQAC?

Both the Students Union and the Alumni Association are keen on promoting the quality of the institution. They are cooperative, supportive and vigilant. The students help the institution in different activities like admission, games and sports, cultural programme, extension lectures, seminars and workshops. They also help the administration in its anti-ragging drive and cooperate with it in maintaining discipline in the campus. They also actively endeavour to promote an eco-friendly environment within the college campus.

The IQAC through the management keeps in touch with them.

e) How does the IQAC communicate and engage staff from different constituents of the institution?

The IQAC has some members of the teaching staff on its committee. It gets regular support and help from its non-teaching staff.

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.

To ensure quality and standard, the institution has an integrated framework for its academic and administrative activities. It has formed different academic and administrative committees.

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.

No such measures have been taken in this regard.

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 institutional activities?

No formal provision for Academic Audit has been introduced yet. However, external review of academic quality is ensured in the following ways:

- i) Papers of many teachers have been published in refereed journals. Many teachers have received funds for research works.
- ii) For the students, class tests and tutorials are held regularly. Also, seminars are organized in different fields of interest. The third year students of all the departments submit projects on environmental studies. The students of the Post-Graduate Departments also submit projects.
- iii) For socially and economically backward students of the college provided with remedial coaching classes on a regular basis.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The IQAC works smoothly with the management, i.e., the Governing Body, and gets support and cooperation from the Department of Higher Education, West Bengal and the UGC. The Governing Body is the highest advisory body which gives advice and support to the institution from time to time. As it is a government institute, it is directly controlled by the Department of Higher Education, Government of West Bengal. The employees, both teaching and non-teaching, are government staff. For quality assurance the Government keeps strict vigil on this institution and at the same time helps it with administrative and financial support.

The University Grants Commission as the nodal centre of higher education has extended its hands to this institution for high standard of teaching and research.

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.

- ❖ The departmental teachers monitor the performance of the students by their response in the classrooms as well as by their performance in the class tests conducted by the department.

- ❖ The Principal ensures effective teaching-learning in the college by constant interaction with the Departmental Heads and with individual teachers, as and when required.
- ❖ The IQAC also suggests the departments regarding the effective way of teaching-learning. The performance of the teachers gets reflected in the Annual Quality Assurance Report.
- ❖ Assessments of feedbacks from different stakeholders like the students, especially the Students' Union, parents also help the process of monitoring the teaching-learning in the college.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The IQAC generally communicates its policies and decisions to various stakeholders through notices and letters. Regular meetings are held among teachers and students on various important issues like admission, examination, cultural programme, beautification of the campus etc. Regular meetings are held between teachers of a department to ensure the internal quality of the department. The meetings are also held with the members of the non-teaching staff. Notices are pasted on the notice boards, notice book and in many cases in the college website. The Alumni Association and the guardians are contacted as and when required.

Any other relevant information regarding Governance, Leadership and Management which the college would like to include. : NIL.

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

The college boasts of many species of flora and fauna. The campus is a favourite spot for many species of birds that come to feed and build their nests. The *shimul*, *palash* and *bakul* trees are treat to one's eyes when they are in full bloom. Besides, the college has many more species of trees such as *akashmoni*, *jarul*, *sishu*, *deodar* etc. Many species of bird use these trees for nesting every year. Snails and squirrels are also regular residents of the campus.

Following measures are taken routinely that reflect the environmental awareness on the part of the stakeholders:

- ❖ It is mandatory for each of the Final Year students to undertake an environment related project as per University guidelines.
- ❖ The water samples from college are routinely collected and tested.
- ❖ The college has imposed restriction on use of plastic inside the campus.
- ❖ Chewing of pan- masalas and gutkhas inside the college campus is prohibited.
- ❖ Clean drainage system to stop water logging and growth of mosquitoes and other parasites.
- ❖ 'Save Energy' initiative of NSS makes the students take care to switch off lights and fans before leaving the class rooms to save electricity and power.
- ❖ The admission, the student affairs, billing, the scholarship delivery system and several other important activities are largely paper free.
- ❖ Pasting posters on the college building in any form- graffiti or paper is completely prohibited. There are dedicated boards on the campus to help in the percolation of information.
- ❖ Our waste disposal system is managed by Haldia Municipality.
- ❖ Clean and filtered drinking water throughout the premises.
- ❖ Canteen committee checks the quality and taste of the food supplied in canteen.
- ❖ Quality of drinking water is regularly monitored.

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Haldia Govt.College has an environment friendly campus. From time to time the Officer-in-Charge holds meetings with the PWD (civil) concerning upgradation of infrastructure and the maintenance of the garden features as one of the agenda. Other than this tree planting exercises are part of the regular activities of the NSS unit of the College. The College has been made a plastic free zone and students are constantly sensitized about clean and green environment through talks, poster campaigning, etc. Plants are counted every year and naming of the plants of the College garden with the help of an expert taxonomist is done. The P.W.D Department, Government of West Bengal, in consultation with the Principal regularly monitors the green cover of the college by de-weeding activities in the play ground and other common areas for maintaining the beautification. Annual plantation programmes are organized in the college to increase the greenery of the campus.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

Accumulation of water within the college campus is prevented to check malarial and dengue infestation, if any. Drinking water is regularly monitored for E.-coli. Plastic free premises are maintained by the NSS volunteers. Hazardous waste management is done at regular intervals. Moreover, primary importance is given to reduce the volume of chemical wastes generated in our laboratories and accordingly the following initiatives have been taken:

- ❖ Purchase of smallest quantity of hazardous chemicals required for our laboratories.
- ❖ Purchase of mercury-free instruments.
- ❖ Substituting hazardous chemicals with non-hazardous chemicals whenever possible.
- ❖ Waste from Chemistry labs are disposed of in sealed containers. Cleanliness in the laboratories is maintained, by regular dusting and wiping apart from which most of the instruments are kept covered to protect from dust and obtain better efficiency

***Energy conservation:** Energy conservation is a pre-requisite to the eco-friendly environment issue. The concern for energy conservation prevails among both the staff and the students. At the end of the day, all electronic and electrical installations are immediately switched off and the devices are unplugged. If, at times, the students forget to switch off the lights and fans after the classes, the vigilant non-teaching staff members immediately take care to switch these off. Use of AC machines is regulated. Doors and windows have tight seals and are closed when the air conditioner is running. The use of generators at the time of power cut and that of the emergency power supply is kept to a minimum. Effort has also been taken to supplant the energy consumable lamps with modern energy saving CFL lamps and tubes. The college uses environment friendly and star rated instruments for moderate consumption of energy. “Sleep” mode on computers and monitors are activated. Equipments are checked regularly for proper operation and maintenance needs.

*** Use of renewable energy:** Nil

*** Water harvesting:** Nil

*** Check dam construction:** As the College is in an urban area this is not under the purview of the institution.

*** Efforts for Carbon neutrality:** Plantation of trees & maintenance of adequate greenery in the College campus. Green plants are instrumental in consuming Carbon-dioxide (mainly released as an automobile exhaust and also during exhalation) and releasing oxygen which is vital for respiration. • All cars parked inside the College pertain to anti-pollution standards. This minimizes the release of carbon dioxide and carbon monoxide, the key ingredients of automobile waste. • By turning off equipment when not in use. • Use of low energy light bulbs. • Efficient use of air-conditioner.

*** Plantation-** Every year tree plantation programme is organized under the aegis of the college NSS Unit. The staff and the students participate in this programme with complete enthusiasm.

*** Hazardous waste management:** Certain safety norms are followed by the Chemistry Department to protect the environment from hazardous pollutants that are commonly produced in the laboratories during regular practical classes, both Honours and General. • Students working within the laboratory (around 300 per session) always have the chance of exposure to toxic fumes. This is taken care of by running efficient and multiple exhaust fans in the laboratories during class hours. This helps to drive away the fumes and reduces their concentration within the confines of the laboratory. • Handling of reagents which produce pungent irritating fumes are always carried out within fume chambers built within each laboratory. • Broken glass pieces of laboratory glass apparatus are manually crushed before disposal. • The College also organizes pestcontrol drives annually, especially, malaria and dengue-larva extermination in both campus& students' hostels. • fire-extinguisher system has been placed in laboratories.

*** e-waste management:** E-waste management- proposals have been made and forwarded to higher authorities.

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.

- ❖ The College began subscribing to inventories like INFLIBNET
- ❖ Introduction of Postgraduate courses: Postgraduate courses were introduced in the Department of Chemistry, and Department of Geography from 2015-16.
- ❖ Scientific Waste Management: The College has implemented efficient waste disposal management procedures.
- ❖ Publication of Conference Proceedings: During the national seminar, the seminar organizing team of the college published Conference Proceedings with ISBN number.
- ❖ Transparent and fully operational online admission process (2011-12): Enrolment and submission of forms are online. Percolation of information in college website with regional news channels percolating information. Merit Lists are available online, and may be compared, objected to (if any) through web portals. After counselling, fees are also deposited to the Bank. So there is little scope of merit being compromised.
- ❖ Digitalization of student database and NEFT transfer of scholarships: Student records are digitally maintained since a long time now. Now the bank account of the students is directly linked with scholarship awarding agencies and the scholarship amounts are directly debited to the students account.
- ❖ Implementation of Kanyashree Scheme (One time financial assistance) of Government of West Bengal: A number of girl students were benefitted under this scheme. From 2013-14, every year on average 150 girl students are benefitted under this scheme.
- ❖ E-payment through the E-PRADAN portal of Government of West Bengal. This has led to transparent and paperless bill processing and bill payment system. Staff salary

- is COSA compliant and linked directly to government exchequer. Thus bill preparation, scrutiny and payment of salaries are almost paper-free.
- ❖ Thrust on Outreach Activities: From 2010-11, the college is forging cooperation with neighbouring communities. The NSS units of the college have adopted two *bastis* and regularly hold various outreach programmes in those areas. These initiatives positively impacted the academics of the participating students too.
 - ❖ Poster and Graffiti free campus: The College is seen and revered by the students as a sacred place. This spirit of cleanliness and maintaining the beauty of its campus is inculcated through generations and the campus has been declared as a plastic free and poster free zone.
 - ❖ Anti Ragging Cell: An anti- ragging cell is functioning in the college. A student monitoring system through CCTV has been ensured in the campus. In the college, every student and every guardian has to undertake legal responsibility as an affidavit at the time of admission.
 - ❖ Cell against Sexual Harassment: This cell was constituted in the 2014-15 session. The students are sensitized about various gender issues and against issues related to sexual harassment through various seminars, campaign and workshops.
 - ❖ Students are made aware of humanitarian issues through awareness programmes by the NSS unit.
 - ❖ The fitness centre has been better equipped with government funds to encourage the habit of regular exercise.
 - ❖ To teach the students in a more illustrative and comprehensive way, teachers of most Departments use LCD projector and PPT in the class room.
 - ❖ Almost all departments periodically organize National level seminars, workshops as well as in house interdisciplinary workshops in which students are encouraged to take leading roles.
 - ❖ Students design interesting experiments, power point presentation and outlay posters under the guidance of the teachers. Students' seminars are also organised in many departments.
 - ❖ Emphasis on dissertation papers and project works in the Postgraduate Courses.
 - ❖ Film shows of literary texts in the Department of English are held on a regular basis.
 - ❖ Salary of the staff through COSA software is enabled.
 - ❖ Installations of CCTV cameras in different locations of the college campus are in place to ensure the security measure within it.
 - ❖ Installation of the computer based GIS information system in the department of Geography is enabled from 2014.
 - ❖ Introduction of WI-FI network in the college provides efficient, secure internet accessibility to faculty.
 - ❖ SMART Classes have been introduced from 2015 in the department of Geography to facilitate and enhance student-teacher interaction.
 - ❖ Central Library has been upgraded with the installation of UGC INFLIBNET for online Library accessibility to various e-resources for the staff of the college from 2015.
 - ❖ A Career Counselling Cell has been established with the goal of increasing the scope and exposure of students in the job market.

7.3 Best Practices

7.3.1 Elaborate on any two best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Best Practice 1

1. Title of the Practice: Strong Extension Activities

2. Goal

Extension activities provide a link between the college and the society. Since the goal of education is holistic development of students' personality the extension activities impart and nurture the human values among the students. It makes them sensitive towards different social issues and transforms them into responsible citizens. The extension activities are carried out through NSS and NCC units of this college. Participation in these extension activities enable them to communicate with the society and build among them the spirit of social service.

3. The Context

Haldia, an industrial town, is a mosaic of different groups of people who belong to different class, caste, ethnic and religious categories. A vast majority of its inhabitants are migrants working in various organised and unorganised sectors in this town. Many students of this college are first generation learners or are from migrant families. There is a felt need of fulfilling the institutional social responsibility by reaching to the weaker and underprivileged section of the society. The qualities of leadership, team spirit and discipline are also inculcated among students through these activities.

4. The Practice

The NSS units of this college have been working for the benefit of the college as well as its neighbourhoods for decades now. The NCC unit has also been re-established in the academic session 2016-17. At the time of admission the students are informed about the functions and goals of NSS and NCC. They are motivated to join these units by organizing campaigns throughout the college. The Programme Officers of both the units of NSS and A.N.O of NCC personally visit each and every department of the college to explain the mission and vision of these two social service units. Regular classes of NCC and NSS units are held at the college premises. The students participate enthusiastically in various camps and other activities. Regular college cleaning activities are organised by NSS volunteers. Apart from college centric activities students are also encouraged to engage with the neighbouring communities more actively. In order to enhance institution-community interaction, the NSS units of the college organize several outreach campaigns such as HIV/AIDS awareness camp, anti-alcohol consumption camp, legal awareness camp etc.

5. Evidence of Success

- ❖ One student was selected for Republic Day Parade at National Level and another at the State Level in 2017.
- ❖ Ten NSS volunteers were selected for National Integration Camp at BITS, Ranchi, Jharkhand in December, 2016.
- ❖ Four student volunteers participated in State Level Celebration on “National Integration’ held on 23rd January, 2015 at Presidency University.
- ❖ Two NSS volunteers were selected for Republic Day Parade at the State Level in 2015.
- ❖ Two student volunteer was participated in National Integration Camp at Mumbai University in 2015.
- ❖ One NSS volunteers selected for International Cultural Exchange among Youth at International Level at China, in 2014.
- ❖ Mahua Patra, the then Programme Officer of NSS Unit I was awarded Best Programme Officer Award in 2014.
- ❖ One student volunteer was awarded the Best Volunteer Award in 2014.
- ❖ Two student volunteers were selected for Pre-republic day parade at Gurudas College, Kolkata in 2013.
- ❖ One student volunteer was awarded Best Volunteer Award in 2013.

6. Problems Encountered and Resources Required

- ❖ Frequent transfer of faculty trained and working as Programme Officer of NSS.
- ❖ Lack of proper infrastructural facilities.
- ❖ Lack of fund for proper execution of all planned initiatives.
- ❖ Difficulty in motivating students at the end of the session when they get busy with the preparation of their exams.
- ❖ Difficulty in establishing rapport with the neighbourhood community.

Best Practice 2

1. Title of the Practice: **Students are motivated to think beyond curriculum**

2. Goal

It is quite often seen that students in educational institutions fall victims to the tyranny of pure theoretical learning and fail to connect their knowledge with the world outside their classrooms. They become storehouses of knowledge without any idea of how to put that knowledge into practice. We consider this to be nothing short of a failure of the education system and try our best to eliminate this problem. In this college our focus is on helping students to relate theoretical learning with their everyday experiences.

3. The Context

Such an endeavour necessarily entails a conflict with conventional approaches to teaching. The age-old lecture method augmented by the chalk-and-talk technique needs to be modified to incorporate more innovative as well as interactive ones. Therefore, the

teachers had to encounter quizzical looks from students and take it in their stride when some eyebrows were raised among those expecting traditional teaching.

4. The Practice

Alongside the conventional lecture method of instruction the teachers of this college also use interactive methods like discussions in the form of focus groups. The focus is always on the possibilities of building a strong connection between the world of the syllabus and the world the students inhabit. The big bad world lying outside the classroom is repeatedly contextualised inside and the boundaries between text and context intentionally blurred. Students here are also regularly instructed to get involved in extra-curricular activities that can actually enhance their grasp of the curriculum. Film-shows, group discussions, debates, workshops, cultural presentations etc. are some of these activities. The students are also guided through the intense maze of the internet and initiated into the fascinating world of blogs, digital archives etc.

Anything extra comes with its price. In this case, the price is the added workload that teachers and other staff have to shoulder. Of course, our teachers do it willingly and with gusto. There is one problem though which poses a serious threat to this practice and remains its grave limitation. It is the overall system of undergraduate level higher education under the affiliation of Vidyasagar University. Teaching is on one end of the spectrum, the other end being examinations. And examinations along with their evaluations are conducted by the university. There being no possibility of any coordination between the approaches adopted by our best practice and the university's examination system, it becomes an unimaginably uphill task for the teachers to implement the practice. Had the college been an autonomous institution all its novel and advanced teaching strategies would have paid off. Nevertheless, even without being complemented by the university our college continues to believe in its practice and carries on with it.

5. Evidence of Success

Students are slowly becoming aware of the different issues which surround the everydayness. They follow different events, academic blogs and voluntarily discuss issues with teachers in and after class hours. Several departments encourage students to make presentations, an endeavour which is running successfully.

Success should not always be assessed by examination performances alone. Our teachers believe that whatever the success rate in examinations, our students mature into socially responsible individuals as a result of our innovative approaches to teaching. Not just bookish knowledge geeks, our students prove themselves in the outer world as truly educated human beings.

6. Problems Encountered and Resources Required

Sometimes, students take time to adjust with these innovations which are outside the conventional mode of teaching. However, on a more serious plane, the college needs better library facilities along with high speed internet connection and smart class rooms to make such endeavours successful.



Tree Plantation at Haldia Govt. College



Flora and Fauna of Our College Campus

SECTION E:
EVALUATIVE REPORTS OF THE
DEPARTMENTS

Evaluative Report of the Department of Anthropology

- 1. Name of the Department:** ANTHROPOLOGY
- 2. Year of Establishment:** 1988
- 3. Names of Programmes/Courses Offered (UG, PG, M.Phil., Ph.D., Int. M.Sc., Int. Ph.D., etc.):** UG : Honours & General
- 4. Names of Interdisciplinary courses and the departments/ units involved:** None
- 5. Annual/ semester/ choice based credit system (Programme wise):** Annual Examinations (Part I, Part II and Part III)
- 6. Participation of the department in the courses offered by other department:** 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:**

a) Number of Full Time Teachers

Name of the Post	Sanctioned	Filled
Professor	-	-
Associate Professor	05	-
Assistant Professor		04

b) **Number of West Bengal Government Approved Part-Time Teachers:** 02 (TWO)

c) **Guest Teacher:** NIL

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
A) Current Full Time Faculty					
Dr. Bhubon Mohan Das	Ph.D.	Assistant Professor	Anthropology (Biological Anthropology)	1. 01 year and 07 months in Haldia Govt. College as an Assistant Professor in Anthropology 2. 01 year PG teaching experience in the Department of Anthropology and Tribal	Nil

				Studies, SKBU as a Guest Faculty 3. 02 months in the Department of Anthropology, Bangabasi Evening College as a Guest Faculty	
Dr. Soumi Dey	Ph.D.	Assistant Professor	Anthropology (Social – Cultural Anthropology)	01 year and 7 months in Haldia Govt. College as an Assistant Professor in Anthropology	Nil
Mr. Pinaki Dey Mullick	M.Sc.	Assistant Professor	Anthropology (Social– Cultural Anthropology)	1. 07Months in Haldia Govt. College as an Assistant Professor in Anthropology 2. 9.5 Years in Bangabasi College as a West Bengal Govt. Approved Part-	Nil

				Time Teacher in Anthropology, under University of Calcutta. 3. 05 years (on semester basis) as a Guest Faculty in the Department of Anthropology, University of Calcutta	
Dr. Mohan Chandra Dolai	Ph.D., PGDGAM	Assistant Professor	Anthropology (Social– Cultural Anthropology)	07 months in Haldia Govt. College as an Assistant Professor in Anthropology	Nil
B) Current Part-Time (Government Approved) Faculty					

Dr. Salil Kumar Dutta	Ph.D.	GAPTT*	Anthropology(Social- Cultural Anthropoloy)	1. 11 years in Haldia Govt. College as GAPTT in Anthropology till date. 2. 01 year and 01 month in Seva Bharati Mahavidyalaya, Kafgari, as Part Time Teacher. 3. 03 years and 02 months for invited Lecturer in Mahishadal Girls' College 4. Supervised Dissertations for 04 years and 02 months in MSW course for Netaji Subhash Open University	
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Ms. Madhuban Maji	M.Sc.	GAPTT	Prehistoric Archaeology	1. 11 years in Haldia Govt. College as GAPTT in Anthropology till date & 1.5 years Vivekananda College for Women	
C) Full Time Faculty Transferred/Retired (Since September 2011)					
Dr. Krishnendu Polley (Transferred to Bidhannagar Govt. College)	Ph.D.	Assistant Professor	Anthropology (Prehistoric Archaeology)	6 years in Haldia Govt. College as an Assistant Professor in Anthropology	Nil
Mrs. Moumita Gupta (Transferred to Dr. A.P.J. Abdul Kalam Govt. College)	M.Sc.	Assistant Professor	Anthropology (Social– Cultural Anthropology)	6 years in Haldia Govt. College as an Assistant Professor in Anthropology	Nil
Mr. Subhomoy Kisku	M.Sc.	Assistant Professor	Anthropology (Social – Cultural Anthropology)	06 months in Haldia Govt. College as an	Nil

(Resigned from Haldia Govt. College as an Assistant Professor in Anthropology and Joined in the Department of Anthropology, University of Calcutta as an Assistant Professor)				Assistant Professor in Anthropology	
Dr. Suman Nath (Transferred to Dr. A.P.J. Abdul Kalam Govt. College)	Ph.D.	Assistant Professor	Anthropology (Social – Cultural Anthropology)	6 years in Haldia Govt. College as an Assistant Professor in Anthropology	Nil

* GAPTT: Govt. Approved Part-Time Teacher

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL

13. Student Teacher Ratio (Programme Wise): (2016-17)

UG Honours: 9:1

UG General: 17:1

14. Number of academic support staff (technical) and administrative staffs; sanctioned and filled: None

15. Qualifications of teaching faculty with D.Sc. / D.Litt. / Ph.D. / M.Phil./ PG:

Qualification	Number of the Faculty Members
D.Sc.	Nil
D.Litt.	Nil
Ph.D.	04
M. Phil.	Nil
PG	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Two

Name of the Faculty	Funding Agency	Year	Status
Dr. Krishnendu Polley (Transferred to Bidhannagar Govt. College)	UGC	2010	Completed
Dr. Suman Nath (Transferred to Dr. A.P.J. Abdul Kalam Govt. College)	UGC	2012	Completed
	UGC	2016	Ongoing

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:

	No. of Papers in Peer Reviewed National/ International Journals	No. Of publications listed in Int. Data base	Monograph	Chapter in Books	Books With ISSN/ISBN No.	Citation Index	SNIP	SJR	Impact Factor	H-Index
Dr. Bhupon Mohan Das	07	-	-	01	-	-	-	-	-	-
Dr. Soumi Dey	13	-	-		01	-	-	-	-	-
Mr. Pinaki Dey Mallick	12	-	-	02	-	-	-	-	-	-
Dr. Mohan Chandra Dolai	06	-	-	01	-	-	-	-	-	-
Dr. Salil Kumar Dutta	03	-	-	09	-	-	-	-	-	-
Dr. Krishnendu Polley	07	-	-	02	-	-	-	-	-	-
Mr. Subhamay Kisku	02	-	-		-	-	-	-	-	-
Dr. Suman Nath	10	-	-	03	01	-	-	-	-	-
Mrs. Moumita Gupta	05	-	-	02	-	-	-	-	-	-

Details of publications is given in Annexure I

20. Areas of consultancy and income generated:

Being a Government College, teachers are not allowed to take up projects from private agencies.

21. Faculty as members in a) National committees b) International Committees c)

Editorial Board :

- **Faculty members in National Committees:**

1. Dr. Krishnendu Polley

Indian Science Congress Association (Life Member)

2. Dr. Bhubon Mohan Das

Indian Science Congress Association (Life Member)

Indian Anthropological Society (Life Member)

Indian Association for Social Sciences and Health (Life Member)

3. Dr. Salil Kumar Dutta

Indian Science Congress Association (Life Member)

Indian National Confederation for Academic in Anthropology (Founder Member)

Association of Creative's for Better Living (State Committee Founder Member and Presently President)

- **Faculty members in International Committees:** Nil

- **Faculty members in Editorial Board:** Nil

- **Faculty members in UG Board of Studies:**

Mrs. Moumita Gupta has been served as an honorable member of UG Board of Studies, under Vidyasagar University.

22. Student Projects:

a) Percentage of students who have done in-house projects including inter departmental/ programme:

- For UG Honours Course of the Department, 100% of the B.Sc. Part-III students participate in a compulsory Fieldwork in every academic year in Social-Cultural Anthropology for 10-15 days in a multi-ethnic village (preferably rural setting)/Tribal Settlements according to the curriculum of Vidyasagar University.

- For UG Honours Course of the Department, 100% of the B.Sc. Part-II participates in a compulsory Museum Visit of Archaeological Anthropology under the Syllabi (Revised Version) of Vidyasagar University.
- For UG Honours Course of the Department 100% of the B.Sc. Part-I, Part-II and Part-III students participate in projects on the pre-selected topic(s), organized by the faculties of the department. The teachers of the department provide study materials (both hard and soft copy) and interact with the students for better understanding of the topic selected and to help the students to prepare the presentation. After preparation, the students have to prepare the hand-out, PowerPoint slides, charts etc. and they have to present their own understanding of the topic selected in front of the other students and teachers.
- For UG General Course of the Department, 100% of the B.Sc. Part-III students participate in a compulsory Fieldwork in every academic year in Social-Cultural Anthropology for 07 days in a multi-ethnic village (preferably rural setting)/Tribal Settlements according to the curriculum of Vidyasagar University.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industries/ other agencies : NIL

23. Awards/ Recognitions received by faculties and students:

a) Awards/Recognition received by the faculties:

- Dr. Bhubon Mohan Das is awarded ICMR SRF in Anthropology
- Dr. Suman Nath is awarded in UNDP sponsored Global Photography contest programme
- Dr. Soumi Dey is Awarded-BEST PAPER AWARD FOR ORAL SESSION in Centenary Conference on Psychology, University of Calcutta.
- Dr. Soumi Dey is Awarded UGC JRF in Anthropology.
- Dr. Soumi Dey is Awarded Bishnu Ava Memorial Prize from Narasinha Dutt College, Howrah.

- Dr. Mohan Chandra Dolai is Awarded Post Graduate Diploma in Gerontology and Age Management (PGDGAM)
- Dr. Mohan Chandra Dolai is Awarded UGC Rajiv Gandhi National Fellowship
- Dr. Mohan Chandra Dolai is Awarded UGC JRF in Anthropology.
- Mr. Pinaki Dey Mullick is a Gold Medalist for being First Class First in M.Sc. Examination, 2016 in Anthropology, University of Calcutta.
- Mr. Pinaki Dey Mullick is awarded Bishnu Ava Memorial Prize from Narasinha Dutt College, Howrah.

b) Awards/Recognition received by the students :

- Ms. Sanjukta Sahoo (Pass out in the year 2011) is awarded as a Gold Medalist in UG level, Vidyasagar University.
- Ms. Trishna Bhuin (Pass out in the year 2013) is awarded as a Gold Medalist in UG level, Vidyasagar University.
- Mr. Subhandu Patra (Pass out in the year 2011) is qualified in IIT Delhi for Integrated Ph.D. Programme.
- Mr. Subhandu Patra (Pass out in the year 2011) is awarded UGC NET LECTURESHIP.
- Mr. Subhandu Patra (Pass out in the year 2011) is selected as an Integrated Ph.D. fellow in anthropology, Delhi University.
- Mr. Ashim Das (Pass out in the year 2011) is awarded ICSSR fellowship for Ph.D.
- Mr. Ashim Das (Pass out in the year 2011) is qualified in RET in Anthropology, Vidyasagar University.
- Ms. Indraja Bankura (Pass out in the year 2011 is qualified in RET in Anthropology, Vidyasagar University.
- Mr. Sanjay Mura (Pass out in the year 2011) is qualified in RET in Anthropology, Viswabharati University.
- 01 student qualified B.ED under Vidyasagar University.

24. List of eminent academicians and scientists/ visitors to the department: None

25. Seminars/ Conferences/ Workshops organized and the source of funding: NIL

26. Student profile programme/ course wise:

Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
2012-13	88	23	12	11	100.00 (2015)
2013-14	70	20	9	11	100.00 (2016)
2014-15	60	11	7	4	-
2015-16	54	11	7	4	-
2016-17	52	32	8	13	-

27. Diversity of students: 100% of the students from the same state

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services, etc.?

- 01 student has cleared UGC NET LECTURESHIP in Anthropology.
- 04 students have cleared RESEARCH ELIGIBILITY TEST (RET) in Anthropology at under Vidyasagar University and Visva Bharati Viswavidyalaya.
- 01 student has been served in the Department of Anthropology in Subarnarekha Mahavidyalaya, Paschim Medinipur as a Part-Time Teacher.
- 01 student has been served in the Centre for Indigenous Culture Studies, Jharkhand Central University as an Assistant Professor (Adhoc).
- 01 student is engaged in the Department of Anthropology, Guru Ghasidas Central University, Chhattisgarh, as a Guest Faculty.
- 01 student is engaged as an Assistant Librarian at Debra College, Paschim Medinipur under West Bengal Public Service Commission.
- 01 student is engaged as a Librarian at Tamluk District Library, Purba Medinipur.

- 01 student is engaged as a Lady Counselor at Basantia Hospital at Purba Medinipur.
- 01 student is engaged as a Librarian in Indian Institute of Technology, Kharagpur.
- 01 student is engaged in service at Indian Railway Service under Government in India.
- 01 student is engaged in the IT sector in Mumbai, India
- 30% of students are absorbed in different NGOs.

29. Student Progression:

Data based on contacts with students and network with university departments.

Student progression	Against % enrolled
UG to PG	50%
PG to M. Phil.	Not known
PG to Ph.D.	Not known
Ph.D. to Post- Doctoral	Not known
Employed • Campus Selection • Other than campus recruitment	- 20%
Entrepreneurship/ Self- Employment	Not known

30. Details of Infrastructural Facilities

a) Library

- The department has a seminar library with a collection of 0107 text and reference books on a variety of topics available for the students.
- The department has good e-books and journal articles resources that help the students to better understand the topics and areas under and beyond their syllabi.

b) Internet Facilities for Staffs and Students

- One of the computers in the departmental computer lab has internet connection for the faculties.
- One of the computers of the department is dedicated for the students where faculties regularly store e-books and other e-resources for the students.

c) Classroom with ICT Facility

The department has a portable LCD projector and screen which is frequently used to class demonstration, ethnographic documentary film, and seminar interactions. However, no classroom is exclusively dedicated or allotted for the same. Proposal to the college authority for converting one of the classrooms with ICT facility is sent.

d) Laboratories

- The department has a laboratory-cum-theoretical class room.
- The department is very rich with original prehistoric, ethnological and anatomical specimens for the students for practical classes and practice. It is well equipped with the instruments for Biological Anthropology, and Archaeological Anthropology practical exercises according to the syllabi of Vidyasagar University. The department also has photographic camera for audio-visual documentation of the cultural life and living of the people/group/settlement under study in their compulsory ethnographic fieldwork in Social-Cultural Anthropology as per the curriculum of Vidyasagar University.

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	Half free	Full Free
2013-14	4	7
2014-15	2	4
2015-16	1	0

32. Detail on student enrichment programmes (special lectures/ Workshops/ Seminar) with external experts:

- Student enrichment programmes, like special lectures/workshops/seminars with external experts are not organized by the department so far.
- The students of the Department of Anthropology actively participate in the workshops, seminars and special/invited lectures organized by different committees of Haldia Government College.
- Interdepartmental invited lectures and seminars are organized by the faculty members of the department for better understanding of the topics for the students under curriculum of Vidyasagar University to meet the holistic and multidisciplinary inclination of the subject. It is worth mentioning in this context that- Mr. Sujan Chandra (Assistant Professor of the Department of Statistics, Haldia Government College) was invited to deliver a special lecture with interactive session with the students on the basics of statistical analysis that has had a significant effect in relation to the syllabi and curriculum of Vidyasagar University.
- The faculty members of the department are highly interested to organize special lectures/workshops/seminars with external experts for the benefit of the students along with the continuation of the interdepartmental invited lectures, seminars and interactive session with the students so that the student can get insights about the key essence of the subject

33. Teaching methods adopted to improve student learning:

- The faculties mostly depend on chalk and talk method during their everyday classes.
- Power point presentation is used to enrich the learning experiences of the students.
- The faculties provide study materials including the printed materials, photocopies and e-books to the students.
- The departmental faculties often organize the students to experience different movies including documentaries relevant to several topics to the syllabi, and the content of the movie(s) and/or documentaries are analyzed by the faculties by the interactive sessions with the students.

- Different classroom teaching method (like- Lecture Method, Story Telling, Seminar, Interactive Method, Conversation Method etc.) are practiced by the faculties in context to the content of the topic of class.
- Photographs and Video Clips as texts of Academic Fieldwork in Social-Cultural Anthropology, and different prehistoric contents (like-Exploration and Excavation Method) are displayed through LCD projector to reflect the essence of the subject and to ensure the exposure of the students towards the applied aspects of their theoretical knowledge.
- The department organized academic fieldwork (in Social-Cultural Anthropology) in every year for both General and Honours students preferably in rural/tribal setting under the curriculum of Vidyasagar University. These fieldworks enrich the students' practical experiences of culture that they learn in their theoretical classes.
- Lectures of famous professors are often shown on particular topics through audio-visual means.
- Additionally, one of the faculties has developed an online blog containing free access to study materials prepared by him. The blog is now also recommended by Oxford University Press. <http://www.sumananthromaterials.blogspot.com>

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- The students of the department actively participates NSS intra-college activities, and participate different programme under NSS in different places.
- The students of the department actively participates NCC intra-college activities, and participate different programme under NCC in different places.
- The students of the department actively participate in Intra college sports; cultural programme, different workshops and seminars organized by different committees of Haldia Govt. College and Vidyasagar University, regional and institutional (mainly through NSS) awareness programme, cultural programme at different districts of West Bengal, and regional and state level quiz contests.

- Dr. Suman Nath has served the institution as a Programme Officer of NSS unit, Haldia Govt. College and promoted various significant initiatives to build up awareness in college campus.
- Dr. Bhubon Mohan Das is serving as a Programme Officer of NSS Unit-I, Haldia Govt. College and actively participates in different training programme to lead and represent the NSS activities in intra college, state and national level.
- Dr. Mohan Chandra Dolai is engaged as ANO of the NCC Unit of Haldia Govt. College and actively participates in different training programme and organized different social activities under NCC Unit of the college.
- Dr. Bhubon Mohan Das (Programme Officer of NSS Unit-I, Haldia Govt. College) and Dr. Mohan Chandra Dolai (ANO of the NCC Unit of Haldia Govt. College) organize, lead and observe different Days/programmes, like-World AIDS Day, Independence Day Celebration, Republic Day Celebration etc.
- Dr. Salil Kumar Dutta offers free service at Consumer Assistance Bureau, of the District of Howrah, West Bengal.
- Dr. Salil Kumar Dutta leaded and directed a drama at Sunderban Zone on the theme of Man-Animal conflict with the inclusion of local participation and local scripts that helped the inhabitants to be aware about the risks in their livelihood and how to prepare to combat/cope up with the risky and changing situations at Sunderban.
- Dr. Salil Kumar Dutta offers free service in an NGO at Jhargram to build up the awareness about local resource utilization.
- Dr. Salil Kumar Dutta offers free Health awareness programme at Sundarban Zone for local wellbeing.
- Dr. Salil Kumar Dutta offered free training to local school teachers on Health awareness programme at Sundarban Zone.
- The faculties of the department while conducting the compulsory fieldwork in different rural and tribal settings of West Bengal according to the curriculum of Vidyasagar University, interact with the local gatekeepers and state level administrative officers about the major problems of the settlement/group under study from the basis of the

findings of the fieldwork and sometimes recommends informally what can be done to solve the problem for long term wellbeing.

35. SWOC analysis of the department and future plans:

Strengths:

- Good faculty strength with quality teaching
- Use of latest technology in teaching-learning process
- Good Student-Teacher relationship with regular interactions and one to one counseling by the faculties for improvement of students' academic performances.
- The students of the department perform well consistently in University final examinations.
- Frequent interactions with parents/guardians of the students to maintain strong feedback system.
- Rich laboratory setup with sufficient quality instruments, specimens, blood samples, display charts, maps and other academic contents.
- Departmental Seminar Library with sufficient text and reference books.
- Sufficient number of e-books and journal article in departmental computers available and accessible for both faculties and students.
- Departmental faculties are updated to the current researches of the discipline and strong research inclination and practice.
- The students have the direct access to one of the computers of the department (dedicated to the students) for internet surfing for academic purpose and other relevant and contextual assignments.
- Student-Teacher interactions beyond scheduled classes for their personal wellbeing, extra guidance for better understanding of the contents of the syllabi, and for better preparation strategies for Internal Assessment Examination, and Final Examination (both theoretical and Practical) under the curriculum of Vidyasagar University.

Weakness:

- Lack of sufficient space for laboratory, and theoretical class rooms.

- No lab attendant or staffs for smooth conducting of the practical classes.
- No class room with ICT facility.
- Interrupted and slow internet connection facility
- Difficulties in maintaining departmental records and contents as the faculties get transferred frequently.
- All sanctioned posts not filled up.
- Being a fieldwork based subject, the departmental students (from the family of lower incoming group) have no facility to financial assistance.
- Weak infrastructure for the research work for the departmental faculties
- Replacement and repairing of the departmental instruments and equipment is quite a long term process.
- There are no sufficient grants for invited lectures, departmental seminars and/or workshops at college level.
- Being a Government College the official process lingers the immediate academic activities.
- Absence of suitable and relevant optional subjects, like Zoology and Botany affects the student strength and declines the scope to the Honours and General Students to appear in different academic competitive examinations like-West Bengal School Service Commission.

Opportunity:

- Extension of the Departmental space for smooth management of academic practices.
- Wide open professional scope for the students in academic, organized and unorganized sectors.
- Revised syllabi enhance the chances for the students to relate their theoretical knowledge with applied aspects of the subject.
- CAS policy motivates and accelerates improvement the efficiency of the faculties.
- Wide and varied scope for collaborative and interdisciplinary research.

- The essence and exposure of the subject reflects the scope for better social policy, action and wellbeing.

Challenges:

- Space constraints for departmental laboratory and theoretical class room.
- Insufficient number of quality reference books in Bengali language for the students that can cover the syllabi of Vidyasagar University.
- The optional subjects for the students of General courses affects the practical and theoretical classes as the department is laboratory based and most of the General students are enrolled under Arts discipline.
- Government policies for the faculties transfer in Government colleges affects and interrupt the teaching learning process.

Future Plans:

- To publish an annual departmental journal
- Separate laboratory for Biological Anthropology and Archaeological Anthropology
- All class rooms with ICT facility
- Remodeling of the departmental space
- To establish an Ethnographic Museum in the department
- To organize national level seminar/ workshop annually

Evaluative Report of the Department of Bengali

1. **Name of the Department:** BENGALI
2. **Year of Establishment:** 1988
3. **Names of Programmes / courses offered (UG, PG, MPhil, Ph.D., Integrated Masters; Integrated Ph.D., etc.):**

- UG (Honours & General)
- PG (*DDE)

** Directorate Distance Education of Vidyasagar University*

4. **Interdisciplinary courses and the department involved:** NIL
5. **Annual/ Semester/ Choice based credit system:** Annual
6. **Participation of the department in the courses offered by other department:**
One special lecture was delivered on “Jibanananda Das as a Poet” by Mr. Amit Patra at the department of English. This lecture was delivered on 08/01/17.
7. **Courses in collaboration with other universities, industries, foreign institution, etc:** NIL
8. **Details of courses/ programmes discontinued (if any) with reasons:** NIL
9. **Number of Teaching posts (Full time):**

a) **Full time Teachers:**

Post	Sanctioned	Filled
Professors	NIL	NIL
Associate Professors	04	01
Asst. Professors		02

b) **West Bengal Govt. Approved Part time Teachers:** NIL

c) **Guest Teachers:** NIL

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. etc.)

Name	Qualification	Designation	Specialization	No. Of Years of Experience	No. Of Ph.D. Students Guided for the last 4 years
A) PRESENT FACULTY (PERMANENT, FULL TIME)					
Himadri Mukhopadhyay	M.A.	Associate Professor	Rabindra Sahitya	UG-25 PG-05	NIL
Amit Patra	M.A., MPhil	Asst. Professor	Kathasahitya	UG-02 PG-02	NIL
Amrita Ghoshal	M.A., MPhil	Asst. Professor	Kathasahitya	UG-01 PG-01	NIL
B) TRANSFERRED FACULTY					
Subrata Roy Chowdhury	M.A	Associate Professor	Modern Literature	UG-20 PG-10	NIL
Abu Taher Kamruddin	M.A., Ph.D	Asst. Professor	Comparative Literature	UG-12 PG-16	NIL
Sharmistha Niyogi	M.A., Ph.D	Asst. Professor	Kathasahitya	UG-08 PG-05	NIL
Lina Sen	M.A., Ph.D	Asst. Professor	Kathasahitya	UG-08 PG-05	NIL

Dilip Kumar Mahanty	M.A., Ph.D	Asst Professor	Adhunik Kabya Kabita	UG-08 PG-03	NIL
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11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty (part time/ Guest faculty): NA

13. Student – teacher Ratio (Programme wise):

UNDER GRADUATE STUDENT:

ACADEMIC SESSION	HONOURS	GENERAL
2016-17	77:1 (Including 1st , 2nd and 3rd Year.)	250:1 (Including 1st, 2nd and 3rd Year.)

POST GRADUATE STUDENT (*DDE)

Academic Session	Program	No. of Students	No. of Teachers (at the beginning of Session)	Student-Teacher Ratio
2016-17	PG (*DDE)	46 (Including 1 st year and 2 nd Year)	3	15:1

** Directorate Distance Education of Vidyasagar University*

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./MPhil/PG:

Highest Qualification	No. of Teaching Faculty
D.Sc./D.Litt.	-
Ph.D.	-
M.Phil.	02
PG	01

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, ICSSER,etc. and total grants received: NIL

18. Research centre /faculty recognized by the University: NIL

19. Publications: (For details: See Annexure 1)

Publication list per faculty

Name	No. of Papers in Peer Reviewed National/ International Journals	No. Of publications listed in Int. Data base	Monograph	Chapter in Books	Books With ISSN/ISBN No.	Citation Index	SNIP	SJR	Impact Factor	H-Index
Himadri Mukhopadhyay	1	-	-	1	-	-	-	-	-	-
Amit Patra	2	-	-	1	-	-	-	-	-	-
Amrita Ghoshal	31	-	-	3	1	-	-	-	-	-

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

a. National committees : NIL

b. International Committees: NIL

c. Editorial Boards : NIL

22. Student projects:

- percentage of students who have done in-house projects including inter departmental/programme: Folklore Project 100% (UG)
- 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:

a) Awards received by faculty

▪ HIMADRI MUKHUPADHYAY

✓ Gold Medal, 1st in M.A. final exam, University of Burdwan-1985-87.

▪ AMRITA GHOSHAL

1. Arun Sarkar Memorial Medal for obtaining highest marks in Bengali Hons. exam, Presidency College, 2008
2. Prof. Haraprasad Mitra Memorial Prize for obtaining highest marks in Bengali Hons. Exam., Presidency College, 2008
3. Dipak Chandra Ghosh Memorial Prize for obtaining highest marks in Bengali Hons. Exam. among college students, Presidency College, 2009
4. Bibhutibhushan Bandyopadhyay Prize for obtaining highest marks in Bengali Hons. exam, Presidency College, 2009
5. Ashutosh Mukherjee Memorial Prize for obtaining highest marks in Bengali Hons. exam, Presidency College, 2009
6. Prof. Amulyadhan Mukherjee Birth Centenary Plaque for obtaining highest marks in Bengali Hons. exam, Presidency College, 2009
7. Bani Basu Memorial Prize for obtaining highest marks in Bengali Hons. exam among girls students, Presidency College, 2009
8. Sadinama Unnayan Samman, 3rd in B.A. (Bengali Hons.) Final exam., Presidency College, 2009

9. Kamala Bala Pal Studentship, First in the M.A. (Part-1) exam, University Of Calcutta, 2010

10. Dr. Pratap Chandra Chunder Award, 1st in M.A. final exam.,Sadinama, 2011.

11. Gold Medal, 1st in M.A. final exam, University Of Calcutta, 2017

b) **Awards received by Students:**

Session	Event & numbers with rank
2014-2015	One pupil attend R.P.D. camp , National Level
2015-2016	Two pupils performed in the Youth Parliament Quiz competition and achieved 2 nd position at the Division Level
	One pupil participate in the Youth Parliament Extempore speech and achieved 2 nd position at the state Level
	One pupil attend International Cultural Exchange among Youth at International Level(China)
2016-2017	One pupil achieve 2 nd rank in the programme of “ Celebration 75 th Anniversary of Netaji’s great Escape” at District Level Quiz Competition
	One Pupil performed R.D.P. camp at State Level, Kolkata
	One Pupil performed R.D.P. camp at District Level, Tamluk

24. List of eminent academicians and scientists/ visitors to the department: NIL

25. Seminars/ Conferences/ Workshops organized & the source of funding

- National: NIL
- International: NIL

26. Student Profile programme/ course wise:

Name of the Course/ Programme	Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
Bengali	2012-13	440	80	32	48	98.46 (2015)
Bengali	2013-14	487	66	13	53	95.74 (2016)
Bengali	2014-15	478	75	27	48	
Bengali	2015-16	826	79	27	52	
Bengali	2016-17	554	95	38	57	

27. Diversity of Students:

Name of the Course	% of students from the same States	% of students from other states	% of students from abroad
B.A.(HONOURS)	100%	NIL	NIL
B.A.(GENERAL)	100%	NIL	NIL
PG (DDE)	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: 21

29. Student progression

Student progression	Against % enrolled
UG to PG	80%
PG to M.Phil.	2%
PG to Ph.D.	Nil

Ph.D. to Post- Doctoral	Nil
Employed	
• Campus Selection	2%
• Other than campus recruitment	4%
Entrepreneurship/ Self- Employment	25%

30. Details of Infrastructural facilities

- Library: One seminar library (More than 800 books)
- Internet facilities for staff & Students: Fully available
- Class room with ICT facility: Nil
- Laboratories: Nil

31. Number of students receiving financial assistance from college, university, government or other agencies:

Subject	Session	Half free	Full Free
Bengali	2013-14	4	8
Bengali	2014-15	17	12
Bengali	2015-16	12	3

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:

We try to organize inter departmental seminar to enrich the knowledge of students on specific topics related with their syllabus. Knowledgeable teachers of Sociology and English have delivered their lectures on some apparently difficult topics already.

- Ms. ANANYA CHATTERJEE (Department Of Sociology)

“Post-Modernism and Literature”-Lecture delivered on 17.11.2016

- Mr. SRIMANTA DAS (Department of English)

“T.S.Eliot as a Poet”-Lecture delivered on 17.11.2016.

33. Teaching methods adopted to improve student learning:

- a) We conduct regularly internal assessments, take special classes and arrange fortnightly examinations, quiz, and interactive discussion sessions besides the regular classes. The department supplies notes, deliver demonstrations on difficult topics for helping the students to perform better in theoretical as well as practical paper also on a regular basis. We Provide students with reading materials like journals, reference books, information from the internet etc. Counseling (academic) for better performance and providing them addresses of institutions and guidance for career courses. Giving career guidance especially to the outgoing students by providing them materials from newspapers and concerned websites. Mentoring and strengthening tips are provided to individual students.
- b) For courses where the texts of Novels, Poetry, Dramas or Essays are taught, the teachers generally adopt the traditional method of Chalk and Talk. But this method is enriched with the interaction with the students where the teachers involve the students generally in three principal ways: a) Debate and discussion on a particular issue of the text, b) Quiz on a particular part of the text, c) Assignment on a particular topic of the text.
- c) In linguistics, the teachers use LCD projector for an audio-visual presentation and also the interactive electronic board as and when necessary.
- d) In Folkloristics, the teachers show different CDs and DVDs of the documents of folk culture through Projector.
- e) The teachers show the film version of the texts belonged to syllabus. Apart from that, film / audio version of other texts are shown to the students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Regularly parental meeting arranged
- Students are involves in various social activities through NSS & NCC.
- Folklore Projects organized by this Department encourage our students to mix up with Folk artists and artisans in remote villages associated with these culture and by this keen association, our students are inspired to be a part of folk literature and art in future and to do something positive for the development of folklore and the poor artists related with this profession.

35. SWOC analysis of the department and future plans:

Strengths:

- Energetic young fulltime faculty members have created a very balanced academic environment in the department.
- Departmental library is rich and constantly refurbished. The students can directly access this library.
- The journal section is also very rich which facilitates students in their different project works.
- Good Reputation of this Department
- Excellent and intelligent students study in this Department and that is reflected in the University results.

Weaknesses:

- The students coming from the rural background are not aware with the perfect language style of present day Bengali language and also with currents and cross currents of Bengali literature.
- The poor knowledge of English creates problems for the students of Bengali, because many a times they have to read some English Texts for comparative study.
- Scarcity in the number of the sanctioned fulltime faculty members is also a source of difficulty.
- Non-availability of rooms and space is also a severe problem for this growing department for which we cannot increase the number of books in departmental library and to introduce a folklore museum-cum-study Centre.
- Modern equipment's are not available.

Opportunities:

- Students of the Department have the Opportunity to appear for the competitive School Service examinations (Primary to high School level) as Bengali is a compulsory School subject.
- A degree in Bengali literature acts as a gateway to varied career options like Advertising, Mass Communication, Print-Media, Audio-Visual, Animation and Digital Media.
- Bengali and English the two language Departments have the opportunity to arrange

Inter-Departmental discussion that can enrich the faculty.

Challenges:

- The competitive market is posing a great challenge for the students of Bengali. The number of students passing out with Bengali as a major subject and the availability of service sector are not at all compatible with each other.
- The fast changing grammatical aspects of Bengali Language is also posing a challenge to the fresh learners as sometimes they cannot understand what to follow.
- To motivate the students for acquiring the ability to read and understand the text written in English is a challenge that the department should take up.

Future plans of the department:

- To introduce regular post graduate course.
- To build up sufficient space for folk-archive.
- Setting up of a School Service Commission Exam. Training Centre.
- Setting up of a Language Lab. for the study of Comparative Linguistics in collaboration with English Department.
- Regular shows of the films relevant to the syllabus are going on.
- Regular visit to places of literary interest and historical importance are arranged by the department frequently on holidays.
- To educate students with different types of skills to face the global challenges.

Evaluative Report of the Department of Chemistry

- 1. Name of the Department:** CHEMISTRY
- 2. Year of Establishment:** UG: 1988; PG-Distance: 2012; PG Regular: 2015
- 3. Names of Programmes/Courses Offered (UG, PG, M.Phil., Ph.D., Int. M.Sc., Int. Ph.D., etc.):** UG (Honours and General), PG (Regular and Distance)
- 4. Names of Interdisciplinary courses and the departments/ units involved:** None
- 5. Annual/ semester/ choice based credit system (Programme wise):** B.Sc. Chemistry (Honours) and General: Annual Examinations (Part I, Part II and Part III)
PG Chemistry (Directorate of Distance Education): Annual Examination (Part I and Part II)
PG Regular: Semester (Semester I, II, III and IV)
PG Regular: Choice based credit system (From 2016)
- 6. Participation of the department in the courses offered by other department:**
Chemistry is offered as General Subject for the following honours subjects: Physics, Mathematics, Statistics and Anthropology
Chemistry is also offered as a subject in the B.Sc. General Course
- 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:**
 - a) **Full Time Teachers:**

Posts	Sanctioned	Filled
Professor	0	0
Associate Professor	07	0
Assistant Professor		7

b) West Bengal Government Approved Part-Time Teachers: 01

c) Guest Teachers: Nil

10. Faculty profile with name, qualification, designation, specialization (D.Sc/ D. Litt./ Ph.D./ M.Phill. etc.)

Name	Qualification	Designation	Specialization	Experience	No. of Ph.D. students guided for the last 4 years
A) Current Full Time Faculty					
Dr. Dipankar Pramanik	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	UG - 4 Yr PG-2 Yr	None
Mr. Uday Sankar Midya	M.Sc.	Assistant Professor	Physical Chemistry	2 years (UG and PG)	None
Dr. Khokan Samanta	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	UG- 2 Yr PG-1 Yr	None
Dr. Sudipta Pathak	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	UG- 4 Yr PG-1 Yr	None
Dr. Saikat Kumar Manna	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	1 year (UG and PG)	None
Dr. Barnali Jana	M.Sc., Ph.D.	Assistant Professor	Physical Chemistry	1 year (UG and PG)	None

Mr. Monotosh Mondal	M.Sc.	Assistant Professor	Inorganic Chemistry	1 year (UG and PG)	None
B) Current Full Time Government Approved Faculty					
Dr. Kankan Kumar Maity	M.Sc., Ph.D.	Assistant Professor	Physical Chemistry	8 years	None
C) Full Time Faculty Transferred/Retired (Since September 2011)					
Mr. Arup Kumar Adak	M.Sc.	Assistant Professor	Inorganic Chemistry	@Bidhanna gar College	None
Dr. Shubhankar Samanta	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	@Bidhanna gar College	None
Dr. Arabinda Mandal	M.Sc., Ph.D.	Assistant Professor	Inorganic Chemistry	@Bidhanna gar College	None
Mr. Susanta Kumar Manna	M.Sc.	Assistant Professor	Organic Chemistry	@Bidhanna gar College	None
Dr. Bankim Chandra Ghosh	M.Sc., Ph.D.	Assistant Professor	Physical Chemistry	@Durgapur Govt. College	None
Mr. Biswanath Ghosh	M.Sc.	Associate Professor	Inorganic Chemistry	@Krishnan agar Govt. College	None
Dr. Kinshuk Das	M.Sc., Ph.D.	Assistant Professor	Inorganic Chemistry	@Derjeelin g Govt. College	None
Dr. Subhendu Maiti	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	@Moulana Azad College	None

Dr. Jishu Naskar	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	@Kalyani University	None
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11. List of Senior Visiting Faculty for Regular PG Courses

Name	Qualification	Designation	Specialization	Experience	PhD Students
Dr. Tapan Mondal	M.Sc., Ph.D.	Professor	Inorganic Chemistry	30 years	None
Dr. Arabinda Mandal	M.Sc., Ph.D.	Assistant Professor	Inorganic Chemistry	7 years	None
Dr. Soumitra Kar	M.Sc., Ph.D.	Assistant Professor	Nanotechnology	3 years	None
Dr. Diptangshu Chakraborty	M.Sc., Ph.D.	Assistant Professor	Spectroscopy	4 years	None
Dr. Tarun Mistri	M.Sc., Ph.D.	Assistant Professor	Spectroscopy	2 years	None
Dr. Keya Bose	M.Sc., Ph.D.	Associate Professor	Crystallography	15 years	None
Ms. Debolina De	M.Sc.	Assistant Professor	Nanotechnology	1 year	None

12. Percentage of lectures delivered and practical classes handled (programme wise):
Nil

13. Student-Teacher Ratio (Programme Wise): (2016-17)

UG Honours: 8:1

UG General: 11:1

PG regular: 6:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Posts	Sanctioned	Filled
Academic Support Staff (Technical)	2	1
Administrative Staff	0	0

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Highest Qualification	No. Of Teaching Faculty (Existing)
D.Sc./D.Litt.	0
Ph.D.	6
M.Phil.	0
PG	2

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:

Name of the Faculty	Title of the Project	Funding Agency	Duration of the Project	Grant Sanctioned
Dr. Shubhankar Samanta	Synthesis of naphthoquinone based natural product and its analogue by Heck and Michael reactions	DST	June, 2014- May, 2017*	19 Lacs
Dr. Shubhankar Samanta	Synthesis of Oxygen Containing Heterocycles by Heck and Michael reactions	UGC	June, 2012 to June, 2014	1.95 Lacs
Mr. Susanta Kumar Manna	DNA Intercalation of Ru (II)-complexes	UGC	Nov, 2011- Nov, 2013	1.66 Lacs

**Dr. S. Samanta has been transferred to Bidhannagar College on Feb, 2016 with this ongoing project.*

18. Research Centre/facility recognized by the University: Nil

19. Publications:

Total No. Of Publications of the faculty members of the Department (2011-16, during the teachers tenure at Haldia Govt. College) :

Name	No. of Papers in Peer Reviewed National/ International	No. Of publications listed in Int. Data	Monograph	Chapter in Books	Books With ISSN/ISBN No.	Citation Index	SNIP	SJR	Impact Factor	H-Index
Dr.Dipankar Pramanik	02				01					
Mr.Uday Sankar Midya					01					
Dr.Khokan Samanta					01					
Dr.Sudipta Pathak					01					
Dr.Saikat Kumar Manna	01				01					
Dr.Barnali Jana					01					
Mr.Monotosh Mondal	01				01					
Dr. Kankan Kumar Maity	10				01					
Mr. Arup Kumar Adak	01	01								
Dr.Shubhankar Samanta	04									
Dr.Arabinda Mandal	06									
Mr.Susanta Kumar Manna	04									
Dr. Bankim Chandra Ghosh	07									

20. Areas of consultancy and income generated: Nil

**21. Faculty as members in: a) National Committee b)International Committee
c)Editorial Boards**

Name of Faculty	Membership in i) National Committee ii) International Committee iii) Editorial Boards and iv) Others
Dr.Dipankar Pramanik	• Editorial Board Member of “International Journal of Innovative Technology and Adaptive Management” • Member, World Science Congress • Assistant Controller of Examination, PG Courses, Haldia Govt. College, Vidyasagar University • Member-BOS, PG Courses, Haldia Govt. College, Vidyasagar University
Mr.Uday Sankar Midya	• Member-BOS, PG Courses, Haldia Govt. College, Vidyasagar University
Dr.Arabinda Mandal	Life Member, IACS
Mr.Susanta Kumar Manna	Life Member, Indian Chemical Society Member, World Science Congress
Dr.Bankim Chandra Ghosh	Life Member, Indian Chemical Society

22. Student Projects:

Percentage of students who have done in-house projects including interdepartmental/programme: 100% in-house projects.

Percentage of students placed for projects in organizations out side the institution i.e. in Research laboratories/Industry/ other agencies: Nil

23. Awards/Recognitions received by faculty and students:

Name of Faculty	Awards/Recognition received and Year
Dr.Dipankar Pramanik	CSIR-UGC NET (2004)

Mr.Uday Sankar Midya	CSIR-UGC NET (2011)
Dr.Khokan Samanta	CSIR-UGC NET (2005)
Dr.Sudipta Pathak	CSIR-UGC NET (2008& 2010)
Dr.Saikat Kumar Manna	CSIR-UGC NET (2010 & 2011)
Dr.Barnali Jana	CSIR-UGC NET (2008)
Mr.Monotosh Mondal	CSIR-UGC NET (2013)

24. List of eminent academicians and scientists/visitors to the Department:

Name of Eminent Academicians/Scientists/Visitors	Affiliation	Purpose of visit	Year
Dr.Sanjoy Samanta	Research Associate, University of Massachusetts, Worcester, USA	Special Lecture	2016
Dr.Sushovan Paladhi	Postdoctoral Fellow, Sungkyunkwan University, Republic of Korea	Special Lecture	2016
Dr.Arabinda Chaudhuri	Chief Scientist, Biomaterials Group, CSIR-IICT, Hyderabad	Special Lecture	2016
Dr.ParthaSarathi Mukherjee	Dept. Of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore	Special Lecture	2016

Dr.Debabrata Maiti	Dept. Of Chemistry, IIT-Bombay	Special Lecture	2016
Dr.Tushar Jana	School of Chemistry, University of Hyderabad	Special Lecture	2016
Dr.Pradip Kumar Tarafdar	Dept. Of Chemistry, IISER-Kolkata	Special Lecture	2016
Dr.Jishu Naskar	Kalyani University	Special Lecture	2015
Dr.Brajagopal Bag	Dept. Of Chemistry, Vidyasagar University	Special Lecture	2015
Dr.Subhas Chandra Bhattacharya	Dept. Of Chemistry, Jadavpur University	Special Lecture	2015, 2016
Dr.Jishu Naskar	University of Kalyani	Special Lecture	2015
Dr.Samad Hossain	Group Leader, Invictus Oncology, New Delhi	Special Lecture	2015

25. Seminars/Conferences/Workshops organized and source of funding: Total=03

Theme	Level	Funding Agency	Date	Collaborator
Recent Development in Bio-Active Molecules	National	UGC	4 th and 5 th August 2016	Vivekananda Mission Mahavidyalaya, Chaitanyapur, Haldia

Recent Trends in Chemistry: A Students Perspective	Departmental	College Grant	8 th September 2015	Nil
Molecules to Materials	National	Higher Education Dept., Govt. Of West Bengal	16 th and 17 th March 2011	Nil

26. Student profile programme/course wise:

Undergraduate Programme					
Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
2012-13	285	36	19	17	100 % (2015)
2013-14	248	31	22	9	100 % (2016)
2014-15	272	34	26	8	-
2015-16	473	37	29	8	-
2016-17	270	33	29	4	-
Postgraduate Programme					
Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
2015-16	150	20	19	1	100% upto Semester-III
2016-17	190	22	17	5	-
Postgraduate Programme (*DDE)					
Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
2012-13	14	14	14	0	100.00
2013-14	12	10	8	2	100.00
2014-15	11	9	6	3	-
2015-16	5	4	3	1	-

** Directorate Distance Education of Vidyasagar University*

27. Diversity of Students: 100% of the students from the same state

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defence Services, etc.

NET/ GATE/ SET: 12

OTHERS: 10

29. Student Progression (2012-2016):

(Based on verbal feedback from students)

Student Progression	Against % enrolled
UG to PG	65%
PG to M. Phil.	NIL
PG to Ph.D.	50%
Ph.D. to Post-Doctoral	Not known
Employed	20%
Entrepreneurship/Self-employed	10%

30. Details of Infrastructural facilities:

- a) Library: One seminar library (More than 500 books)
- b) Internet facilities for staff & Students: Fully available
- c) Class room with ICT facility: two class room
- d) Laboratories: 03

31. Number of students received financial assistance from college, university, government or other agencies:

No. of students who are waived (Full/ Half) from their tuition fee:

Session	Half free	Full Free
2013-14	6	1
2014-15	13	1
2015-16	1	2

32. Details on student enrichment programmes (special lectures/workshops/seminars)

Student Enrichment Programme	Held on	Title	Funding Agency	External Expert/Resource Person/Speaker
National Seminar	4 th -5 th August 2016	Recent Development in Bio-Active Molecules	UGC	Dr.Arabinda Chaudhuri, IICT-Hyderabad Dr.Partha Sarathi Mukherjee, IISc-Bangalore Dr.Debabrata Maiti, IIT-Bom bay Dr.Tushar Jana, University of Hyderabad Dr.Pradip Kumar Tarafdar, IISER-Kolkata Dr. Syed Sirajul Islam, Vidyasagar University Dr. Amiya Kumar Panda, Vidyasagar University Dr. Subhas Chandra Bhattacharya, Jadavpur University
Departmental Seminar	8 th September, 2015	Recent Trends in Chemistry: A Students Perspective	College Fund	Dr.Brajagopal Bag, Vidyasagar University

33. Teaching methods adopted to improve student learning:

Besides the traditional chalk and talk method, the teachers have adopted various teaching methods for the betterment of the student learning. They make use of Models, Charts. Importantly they utilise Overhead projectors, screen and their personal laptop for power point presentation of the lectures. Students are frequently asked to complete numbers of assignments. They are allowed to access the internet to concern the various aspects of the

subject topics. Post Graduate students are guided to various project works. In addition, the following methods are also used for the improvement of teaching-learning process.

- Tutorial Lectures
- Special Lecture during Puja and Summer vacation especially for the Post Graduate students
- Repetition of the practical experiments

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- The departmental teachers and the students actively participate in different socially relevant programmes like plantation/beautification of the college campus, Blood Donation Camp, Thalassemia Detection Camp, etc. organized by the NSS unit of the college.
- As a part of Extension activities students are also encouraged to publish a wall magazine titled '*RasayanSambad*' in frequent intervals to make awareness about the recent findings and discoveries in science and technology all over the world.

35. SWOC Analysis of the Department and Future Plans:

Strengths:

- Highly qualified (having Ph.D.), well-competent, dedicated teaching staff
- Good academic profile of the students. The students occupy ranks in University Exams almost every year
- After graduation, the students qualify for various National level competitive Exams like JAM, IISER, IIScetc and get entry into various premier Universities and Institutes like IISc, IIT, ISM, IISER, etc. for higher studies
- Department contains a well-stocked seminar library (over 500 books) and computer as well as internet facilities
- Separate research laboratory has been setup for the project work of the Post Graduate students
- The student-teacher relationship is extremely cordial

Weaknesses:

- With increasing intake of students every year the existing space in the laboratories and classrooms have become inadequate
- Campus interviews are few in number

- Being a Government college, routine transfer of teachers causes an unbalanced situation in certain specialized areas of Chemistry and high student-teacher ratio sometime hamper the Teaching Learning process
- There is also shortage of academic technical staff (Group-C and Group-D) in the Department

Opportunities:

- Chemistry as a subject provides ample opportunities to the students to pursue further studies and/or get employment in various fields like Applied Chemistry, Industrial & Analytical Chemistry, Biochemistry & Biotechnology, Food Technology, Pharmaceutical Industries, etc.
- Provided, regular campus interviews can be arranged, students can get employment even after graduation
- There is a scope for extending research work both for teachers and students

Challenges:

- Proper collaboration needed with national research institutes and reputed private industries for running PG project work and post-degree placement.
- More infrastructural up-gradation and maintenance is required especially for PG courses.
- Since, in this region, students are from weak economic backgrounds our challenge is to provide them with modern facilities and a good academic environment to make their future bright.

Future Plans:

- Improvement of Research Laboratory and Research Facilities
- Innovative Research Works
- Carrying out Research in Collaboration with Industries
- Improvement of Laboratory and Infrastructural Facilities
- Organizing State/National Level Seminar/Symposium
- Setting up a Separate Computer Room
- Building up of e-classroom

Evaluative Report of the Department of Economics

- 1. Name of the Department:** ECONOMICS
- 2. Year of Establishment:** 1988
- 3. Names of Programmes / Courses offered:** UG Course (Honours and General)
- 4. Names of Interdisciplinary courses and the departments/units involved:** Nil
- 5. Annual/ semester/choice based credit system (programme wise):** Annual
- 6. Participation of the department in the courses offered by other departments:** No
- 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 (Full time):**

Posts	Sanctioned	Filled
Professor	0	0
Associate Professor	04	0
Assistant Professor		2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Names	Qualification	Designation	Specialization	No. of Years of Experience No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Soma Rani Karan	M.A., B.Ed.	Assistant Professor	Statistics and Econometrics	15	-
Tithi Bose	M.A., B.ED, Ph.D	Assistant Professor	Agriculture and Resource Economics	6	-
Debajit Jha (Transferred)	M. A.	Assistant Professor	-	-	-

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: (2016-17)

UG Honours: 2:1

UG General: 50:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG (Recent):

Ph.D.	1
M. Phil.	0
PG	1

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Name of the Faculty	Project Title	Grant Sanctioned (Rs.)	Duration	Name of the Funding Agency
Tithi Bose	Is National Rural Employment Guarantee Act beneficial for women? Experiences from West Bengal	2,10,000/-	2015-2017	UGC - Minor Research Project

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:**

Name of the faculty	papers published	publications listed in Int.	Monographs	Chapter in Books	Books Edited	Books with ISBN/ISSN no.	Citation Index	SNIP	SJR	Impact factor	h-index
Soma Rani Karan	1	-	-	-	-	1	-	-	-	-	-

Dr. Tithi Bose	1	-	-	-	-	2	-	-	-	3.1560 (UIF)	-
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20. Areas of consultancy and income generated: Nil

21. Faculty as members:

Name of the Faculty	National Committees	International Committees	Editorial Boards
Dr. Tithi Bose	-	-	International Research Journal of India

22. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme:
 - 100% of 3rd year honours students have conducted field studies in different districts of West Bengal to analyse farm productivity, cost benefit analysis of agricultural production, outcome of different rural development programmes, impacts of decentralisation
 - 100 % of General students with Economics as a subsidiary subject have conducted primary survey of the slums adjacent to the college to analyse their living standards, dependence on Haldia Port and outcome of immigration to Haldia.
- 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:

- Tithi Bose: Awarded ICSSR Doctoral Fellowship 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:

Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
2012-13	5	2	2	0	NA (2015)
2013-14	4	0	0	0	0.00 (2016)
2014-15	3	0	0	0	
2015-16	15	0	0	0	
2016-17	13	3	2	1	

27. Diversity of Students: 100% from same State

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Information not available

29. Student progression:

Student progression	Against % enrolled
UG to PG	100%
PG to M.Phil.	---
PG to Ph.D.	Not known
Ph.D. to Post-Doctoral	Not known
Employed • Campus selection • Other than campus recruitment	Nil
Entrepreneurship/Self-employment	Not known

30. Details of Infrastructural facilities:

- Library: The department maintains a Seminar Library containing about 100 books.
- Internet facilities for Staff & Students: Internet facilities are provided to staff as well as students in the departmental desktop computers. Students and staffs are also provided with the departmental net book (mini laptop) during the field studies.
- Class rooms with ICT facility: Nil
- Laboratories : The departmental Teachers' room is used as computer laboratory both for teachers and students. There are three desktops (two in proper form) with a scanner and printer for the faculty members and students.

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:

Apart from regular classroom teaching the department also arranges special classes/lectures, remedial classes, field studies, official tours for enrichment of the students

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Teachers always encourage students to participate in different activities to spread awareness among the fellow students and in the community. As Economics is social science, it is one of the basic duties of the Economics students to know about the behavioral pattern of his / her locality and spread awareness, raise voices to empower the mass in different aspects. One faculty member of the department is actively associated with NSS. The students of the department participate in the following social activities:

- Different field studies of the locality to know about the local socio-economic problems.
- Different national and international seminars organized by different institutions

- Different Social Awareness Workshops, discussions with different social organisations
- Seminars organized by NSS, Women Cell, Equal Opportunity Cell
- Students participate in quiz competitions and campus interviews for recruitment.

35. SWOC analysis of the department and Future plans:

Strength:

- Students are taught through field surveys, published papers, online discussions, secondary and primary data analysis for realizing economic theories and different economic aspects.
- Students are encouraged to surf online for current data, official records and recent papers.
- They are always encouraged to study different reference books, eBooks, and online journals along with class notes for in depth study of their syllabus.
- Students are taught thoroughly to construct questionnaire and conduct field studies. They are also mentored to find out secondary data from various published data sources and offices.
- Students are taught to deal with different econometric analysis, market analysis and statistical softwares for fulfilling the demand of the job markets.
- Faculties serve as paper setters, examiners and reviewers of Vidyasagar University.
- Teachers supervise the students in their field studies for completion of their 3rd Year course (both Honours and General).

Weakness:

- Very few numbers of students takes this subject in their UG course.
- Students in this area are not interested in economics.
- Students and their parents have an inbuilt fear about the subject , Economics
- Students and their parents bear a cliché idea that economics students lack job opportunities as they are not properly aware of the opportunities of the subject in corporate and industrial sector.

- Lacks proper and separate computer laboratory, which is very necessary for studying Economics.
- Deficiency of classrooms is a major problem and it becomes impossible to take two classes simultaneously.
- Does not possess a proper reading room.

Opportunities:

- Re-structuring of the departmental seminar library and making it more user friendly.
- Organising field studies for enhancing knowledge about the rural economy, functioning of the decentralization process in West Bengal.
- Arranging small scale surveys of the local industries and related data analysis to enhance the theoretical knowledge of the students.
- Organizing community action plans against industries for local pollutions
- Arranging interdisciplinary studies to popularize Economics
- Introducing Masters in Development Studies

Challenges:

- Few students take this subject in their honours course compared to other departments of the college.
- Haldia is a major industrial and port town in West Bengal and, therefore, demand for economists as firm / research analyst already exists in this region. Thus one major challenge is to encourage more students to take this subject in their UG course and raise their attraction towards Economics.
- Economics faculty earnestly wants to attract students in Economics (UG Course) but the department lacks manpower and teachers to organize special workshops or student counseling camps for encouraging students.
- As the college is one of the few colleges which offer Economics honours in under graduation course in combination with Statistics as a subsidiary subject under Vidyasagar University, the department has a big challenge ahead to build up future economists by increasing the quality and quantity of students.

Future plans:

- To arrange a national seminar in the next academic year.
- To arrange a workshop or Counseling camp for higher secondary students to attract them towards Economics
- To construct a proper computer laboratory, a smart classroom and a reading room.
- Introduction of Interdisciplinary Post Graduate Courses.
- Collaborative Major Research Projects with other colleagues and Universities
- In future we have a planning for community development. We have an idea to calculate the environmental cost of the pollutants emitted by the local industries through Social Cost Benefit Analysis. In this respect, we shall include the local inhabitants through participatory process and make them aware about the facts. Students of the department with the faculty shall try to mobilize the mass for demanding subsidy for their suffering from such an intensive pollution. The commoners will be helped to raise their voices for imposing pollution taxes on the industries so that pollution can be reduced in the long run.

Evaluative Report of the Department of Education

- 1. Name of the Department:** EDUCATION
- 2. Year of Establishment:** 1988
- 3. Names of Programmes / courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.):** UG (Honours & General).
- 4. Names of Interdisciplinary courses and the department/ units involved:** NIL
- 5. Annual/ Semester/ Choice based credit system (programmed wise):** Annual
- 6. Participation of the department in the courses offered by other department:** One special lecture was delivered on "Social Issue of Illiteracy" by Ms. Susmita Basu at the department of Sociology. This lecture was delivered on 16.12.2016.
- 7. Courses in collaboration with other universities, industries, foreign institution, etc:** NIL
- 8. Details of courses/ programmes discontinued (if any) with reasons:** So far no course discontinued by this department.
- 9. Number of Teaching posts (Full time):**

a) Full Time Teachers:

Posts	Sanctioned	Filled
Professor	0	0
Associate Professor	04	0
Assistant Professor		4

b) West Bengal Govt. Approved Part time Teachers: 02

c) Guest Teachers: NIL

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./MPhil. etc.,)

Name	Qualification	Designation	Specialization	No. Of Years of Experience	No. Of Ph.D. Students Guided for the last 4 years
<u>A) PRESENT FACULTY (PERMANENT, FULL TIME)</u>					
Sipra Samanta	M.A. , B.Ed.	Asst. Professor	1.Mental Hygiene 2. Special Education	16Years	Nil
Kamala Kanta Kar	M.A.	Asst. Professor	1.Mental Hygiene 2.Enviromment al Education	1.5Years	Nil
Nizamuddin Ahmed	M.A. , B.Ed.	Asst. Professor	1. Educational Technology 2. Indian Education in Historical perspective	6 Years-Teaching, 1.5 Years-Administr ation	Nil
Susmita Basu	M.A. , B.Ed.	Asst. Professor	1.Education of Children with Special Needs 2. Environmental Education	Post Graduate Teaching experience - 1 year (From 26.09.2014 to 4.12.2015 as a JRF Scholar.) Graduate level teaching experience -1 year	Nil
<u>B) PRESENT FACULTY (PERMANENT, PART TIME)</u>					
Debabrata Samanta	M.A. , MPhil	Part Time	1.Vocational Guidance & Counselling	7 Years	Nil
Anindita Pramanik	M.A. , B.Ed., M.Ed.	Part Time	1.Educational Technology 2 .History Of Education	6.5 Years	Nil

<u>C) TRANSFERRED FACULTY</u>					
Jhuma Banerjee (TRANSFERRED on 2011)	M.A. , B.Ed.,	Asst. Professor	1.Educational Technology 2.Guidance&Counselling	06Years	Nil
Sanghamitra Gayen (TRANSFERRED on 2012)	M.A. , B.Ed., PhD.	Asst. Professor	1.Educational Measurement 2.Special Education	07Years	Nil
Srabani Maity (TRANSFERRED on 2012)	M.A.	Part Time	1.Creativity 2.Educational Measurement	03Years	Nil

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty (part time/ Guest faculty): NA

13. Student – teacher Ratio (Programme wise):

ACADEMIC SESSION	HONOURS	GENERAL
2016-2017	50:1 (Including 1st , 2nd and 3rd Year.)	98:1 (Including 1st , 2nd and 3rd Year.)

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./MPhil/PG:

Highest Qualification	No. of Teaching Faculty (Existing)
D.Sc./D.Litt.	-
Ph.D.	-
M.Phil.	01
PG	05

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, ICSSER, etc. and total grants received: Nil

18. Research centre /faculty recognized by the University: Nil

19. Publications:

Name	No. of Papers in Peer Reviewed National/ International Journals	No. Of publications listed in Int. Data base	Monograph	Chapter in Books	Books With ISSN/ISBN No.	Citation Index	SNIP	SJR	Impact Factor	H-Index
SIPRA SAMANTA	-	-	-	01	01	-	-	-	-	-
SUSMITA BASU	-	-	-	04	04	-	-	-	-	-
ANINDITA PRAMANIK	-	-	-	01	01	-	-	-	-	-

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

- a. **National committees :** Nil
- b. **International Committees:** Nil
- c. **Editorial Boards :** 01

- **SIPRA SAMANTA** is a member of BOS, paper Setter, member of university's Syllabus Committee.

22. Student projects:

- Percentage of students who have done in-house projects including inter Departmental/Programme: 100% of 3rd year Honours students
- 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 received by faculty: SUSMITA BASU
- (Awarded by Junior Research Fellowship [UGC -NET] in June, 2013.)
- II. Stood third in grade A+ at the post graduate examination.

- Awards received by students: SPORTS/CULTURE/NCC/NSS performed by the students of Education Dept. (only for State/National level):

Year	Event	No. of Students	Rank	Name of the Competition
2017	NSS	01	Participation	RDC, Delhi,2017
	NCC	01	Participation	RDC, Delhi,2017
2016	NSS	01	Participation	(STATE)selection camp, 2016
	NCC	01	Participation	(STATE)selection camp, 2016
	Kho-Kho	01	3rd	Bengal Olympic Association 5th Netaji Subhas State Games-2016
2015	NSS	01	Participation	STATE)selection camp, 2016
	Kho-Kho	01	01	Participation
	Quiz	01	Participation	Programme of youth parliament, state level
2013	NSS	01	Participation	RDC, State
	Kho-Kho	01	Participation	State Level
	Football	01	Participation	State Level
2012	NSS	01	Participation	RDC, National

24. List of eminent academicians and scientists/ visitors to the department: Nil

25. Seminars/ Conferences/ Workshops organized & the source of funding

- National: Nil
- International: Nil

26. Student Profile programme/ course wise:

Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
2012-13	614	82	34	48	97.53 (2015)
2013-14	378	83	32	51	100.00 (2016)
2014-15	415	94	33	61	-
2015-16	666	100	39	61	-
2016-17	503	110	43	67	-

27. Diversity of Students: 100% students from the same state

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: 18

29. Student progression:

Student progression	Against % enrolled
UG to PG	88
PG to M.Phil.	2%
PG to Ph.D.	Not known
Ph.D. to Post- Doctoral	Not known
Employed • Campus Selection • Other than campus recruitment	Not known
Entrepreneurship/ Self- Employment	20%

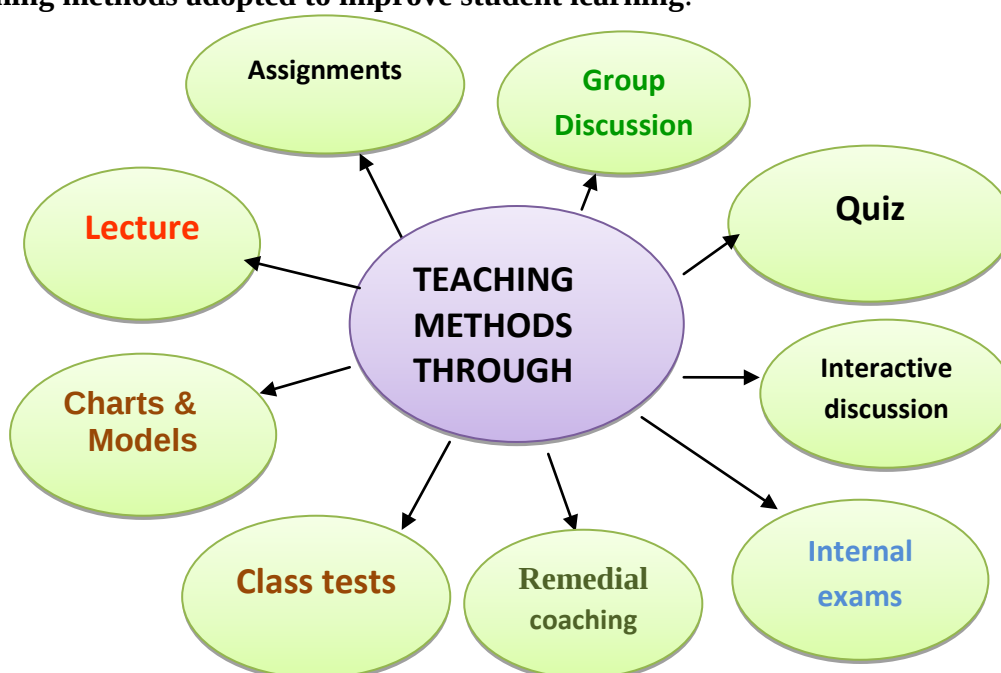
30. Details of Infrastructural facilities:

- Library: One Seminar library enriched with 608 books.
- Internet facilities for Staff & Students: One Departmental Computer.
- Class rooms with ICT facility: NIL
- Laboratories: Not Required.

31. Number of students receiving financial assistance from college, university, government or other agencies:

No. of students who are waived (Full/ Half) from their tuition fee:

Session	Half free	Full Free
2013-14	13	10
2014-15	24	6
2015-16	27	5

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts: Nil**33. Teaching methods adopted to improve student learning:**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Regularly parental meeting arranged
- Students are involved in various social activities through NSS & NCC.

35. SWOC analysis of the department and Future plans:

Strength:

- Good Reputation of this Department.
- Excellent and intelligent students reflected in the results.
- Faculty members of this department perform their duties very efficiently.
- Conducive working Environment.
- Good relation among the teacher and student.

Weakness:

- Lack of classrooms.
- Modern equipments are not available.
- We needed additional facilities like: large classroom, Seminar room, ICT facilities.

Opportunity:

- Interdisciplinary subject and ample scope in job opportunities.
- Try to open PG course in upcoming session.

Challenges:

- Grooming students from rural areas.
- We are trying to run all the year within a limited area.

Future Plans:

- To conduct a national level seminar.
- Publication of departmental Journal and Magazine.
- To arrange study tours.
- To organize Student Enrichment Programme.
- To organize carrier oriented seminar, discussion, and guidance for students in and outside of this department like NET, SET, and CIVIL SERVICES etc.

Evaluative Report of the Department of English

1. Name of the Department: ENGLISH

2. Year of Establishment: 1988

3. Names of Programmes/ Courses offered: UG (Honours & General)

4. Names of Interdisciplinary courses and the departments/ units involved: NIL

5. Annual/ semester/ choice based credit system (programme wise): NIL

6. Participation of the department in the courses offered by other departments:

Sri Srimanta Das, Assistant Professor of the department, delivered two seminar lectures entitled “T.S. Eliot as a Poet” at the Department of Bengali in 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:

a) Full Time:

Posts	Sanctioned	Filled
Professor	0	0
Associate Professor	04	02
Assistant Professor		01

b) Number of Teachers (Part Time): 01

c) Number of Guest Teachers: NIL

10. Faculty profile with name, qualification, designation, specialization,(D.Sc./D.Litt. /Ph.D./M.Phil.etc.,)

CURRENT FACULTY:

Name	Qualification	Designation	Specialization	Experience	PhD Students
A) Current Full Time Faculty					
Manu Auddy	M.A.	Associate Professor	Victorian Literature	28 Years	None
Pritam Bandyopadhyay	M.A.	Associate Professor	Teaching Literature	20 years	None
Srimanta Das	M.Phil.	Assistant Professor	Victorian Fiction	1 years	None
B) Current Full Time Government Approved Faculty					
Soumya KantiGhosh	M.Phil.	Assistant Professor	American Literature	9 years	None
C) Full Time Faculty Transferred/Retired					
Monalisa Jha	M.A.	Assistant Professor	American Literature	6 Years	None
Kaustav Bakshi	M.A.	Assistant Professor	Postcolonial literatures; Film	-	None
Samata Biswas	M.Phil.	Assistant Professor	Culture Studies	-	None

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise)

By temporary faculty: NIL

13. Student-Teacher Ratio (programme wise):

UG Honours: 70: 1

UG General: 6:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL**15. Qualifications of teaching faculty with MPhil/PG: (highest qualification)**

M. Phil. – 2, PG - 2

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:**

Name	No. of Papers in Peer Reviewed National/ International Journals	No. Of publications listed in Int. Data base	Monograph	Chapter in Books	Books With ISSN/ISBN No.	Citation Index	SNIP	SJR	Impact Factor	H-Index
Manu Auddy	4	-	-	-	2	-	-	-	-	-
Pritam Bandyopadhyay	3	-	-	-	2	-	-	-	-	-

Srimanta Das	3	-	-	-	3	-	-	-	-	-
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Details of the publications is given in *Annexure I*

20. Areas of consultancy and income generated:

The question of generating income through consultancy services does not arise as the college is a government college. But following are the areas in which teachers of the department (the number of teachers is mentioned in brackets) have engaged in consultancy service.

Member of UG Board of Studies: **01** (Pritam Bandyopadhyay is a member of the BDP BOS [UG Board of Studies] of Netaji Subhas Open University).

MODERATION: **01** (Manu Auddy was a member of the board for moderation of West Bengal Higher Secondary Examination question papers in 2015).

21. Faculty as members in

a) Editorial Board 01

Pritam Bandyopadhyay has served as member of editorial board for Paper VI of BDP SLM for Netaji Subhas Open University.

22. Student projects:

- Percentage of students who have done in-house projects including interdepartmental/ programme: 100%
- 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. Meenakshi Krishnan
Associate Professor of English,

Barrackpore Rashtraguru Surendranath College,
Kolkata.

- Yashodeep Sengupta
Senior Sub-editor,
The Telegraph
- Poulomi Das
PhD Research Scholar,
Jawaharlal Nehru University,
New Delhi.
- Debashis Bhattacharya
Eastern Zonal Campaigner,
Community Radio Station,
Government of India.

25. Seminars/ Conferences/ Workshops organized & the source of funding

- State level: 01
State level seminar on **“Mapping the Vistas: Career Opportunities for Students of the English Honours Course”** held on 21 January, 2015. The funding was done by the Department of Higher Education, Government of West Bengal.

26. Student profile programme/ course wise:

Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
2012-13	432	62	23	39	97.44 (2015)
2013-14	400	61	20	41	83.33 (2016)
2014-15	307	42	20	22	-
2015-16	758	44	20	24	-
2016-17	579	77	32	45	-

27. Diversity of Students: 100% of the students from the same state

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Data not available

29. Student progression

Student progression	Against % enrolled
UG to PG	20%
PG to M. Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	28%
Other than campus recruitment	10%
Entrepreneurship/ Self-employment	03%

30. Details of Infrastructural facilities

- Library: YES
- Internet facilities for Staff & Students: YES
- Class rooms with ICT facility: NO
- Laboratories: NO

31. Number of students receiving financial assistance from college, university,

Government or other agencies:

Session	Half free	Full Free
2013-14	3	3
2014-15	7	4
2015-16	6	2

32. Details on student enrichment programmes (special lectures/workshops/

Seminar) with external experts:

State level seminar on **“Mapping the Vistas: Career Opportunities for Students of the English Honours Course”** held on 21 January, 2015.

The seminar arose from the urgent need to run an awareness drive among the students of the department on career options and employment opportunities. Most students still think only of primary or secondary school teaching as their salvation. They have very little or no idea of the multitudinous openings that exist in today’s world for an English graduate. The situation is aggravated by the non-metropolitan character of Haldia, where the college is situated, and the rural backgrounds of majority of the students. They need some real guidance on where to look for the right jobs and how to go about the rigorous task of acquiring them.

Following is the list of resource persons who made presentations in the seminar:

- Dr. Meenakshi Krishnan
Associate Professor of English,
Barrackpore Rashtraguru Surendranath College,
Kolkata.
- Yashodeep Sengupta
Senior Sub-editor,
The Telegraph
- Poulomi Das
PhD Research Scholar,
Jawaharlal Nehru University,
New Delhi.
- Debashis Bhattacharya
Eastern Zonal Campaigner,

Community Radio Station,
Government of India.

The four speakers who acted as resource persons immensely benefited the students by exposing them to the different avenues that lead from the English Honours classrooms to a variety of successful careers. They were also sensitized about the transferable skills they are unconsciously picking up / learning while doing the course. They learnt that it is these skills that they should develop and hone to be ready for the job market.

33. Teaching methods adopted to improve student learning:

- Use of teaching aids like blackboard, audio-visual equipments etc.
- Screening of films followed by discussions.
- Circulation of handouts.
- Post lecture discussions.
- Production of wall-magazine.
- Preparation of posters and models related to the academic curriculum.
- Student seminars.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

NIL

35. SWOC analysis of the department and Future plans:

Strengths

- As a government college it offers quality education to students living in and around Haldia.
- Students are dedicated and disciplined, with great interest in a subject that offers them tremendous opportunities.
- Regularity of classes and a healthy academic atmosphere ensures success.
- Availability of government grants and scholarships for students is a great impetus for students to do their best.

- Students from financially weak backgrounds have access to free studentship.
- There exists a very friendly relationship between students and teachers of the department.
- Regular student seminars and film shows are organized by the department.
- International business houses like TCS and Wipro regularly offer placements to students of the college and English Honours students enjoy a distinct advantage.
- Students enjoy the facility of a good seminar library, with more than 500 books, in the department.

Weaknesses

- Communication skills of students need to be improved.
- Many students commute from distant places and thus cannot attend classes regularly.
- Periodic transfer of the teaching faculty is a drawback as it causes disruptions in the teaching learning procedure.
- More funds are needed to ensure more facilities for the college. Inadequate number of classrooms impedes the progress of regular classes.
- The department lacks the services of a non-teaching staff member.

Opportunities

- English offers a lot of career options for students like teaching, journalism, content writing, front desk jobs etc.
- The department can work together with other language departments like Bengali to further interdisciplinary studies.

Challenges

- To improve the performance of students in the University examinations and secure opportunities for higher studies is one of the biggest challenges.
- Students have to be exposed to the latest developments in the academic process through interactions with other colleges.
- They have to be provided opportunities to participate in extracurricular activities like debates and competitions to enhance their interaction skills.

- More books and journals have to be made available to enrich their knowledge of English Literature.

Future Plans

- To organize regular workshops on Communicative English conducted by professionals for students of the college with weak communication skills.
- To conduct a career counseling programme meant exclusively for English Honours students.
- To organize a workshop on the art of translation with special focus on local authors.
- To set up a film appreciation centre as an extension of the regular activities of the department.

Evaluative Report of the Department of Geography

1. Name of the department: GEOGRAPHY

2. Year of Establishment: UG: 1988; PG: 2015

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D. etc.): UG and PG (Regular and DDE Under Vidyasagar University)

4. Names of Interdisciplinary courses and the departments/ units involved: None

5. Annual/ semester/ choice based credit system (programme wise):

B.A/B.Sc. Geography (Honours), B.A/ B.Sc. (General) ; Both 3-years course with annual evaluation

M.A/M. Sc-- Semester based evaluation.

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: NA

9. Number of Teaching posts:

Posts	Sanctioned	Filled
Professor	0	0
Associate Professor	07	01
Assistant Professor		04

10. Faculty profile with name, qualification, designation, specialization (D.Sc/ D.Litt./ Ph.D./ M.Phil. etc.):

A) CURRENT FULL TIME FACULTY

Name	Qualification	Designation	Specialisation	Experience (Years)	No. Of PhD. Students
Pijush Kanti Tripathi	Ph.D	Associate Professor	Town and Country Planning, Urban Geography	15 Years	NIL
Bidyut Pramanik	Ph.D	Assistant Professor	Medical Geography & River Geography	10 years	NIL
Sarbeswar Halder	M.A	Assistant Professor	Advanced Geomorphology	2	NIL
Gopal Chandra Hembram	M.A	Assistant Professor	Applied Climatology	2	NIL
Sk. Mithun	M.A	Assistant Professor	Urban Growth Modelling with the Implication of Remote Sensing and GIS	1	NIL

B) FULL TIME FACULTY TRANSFERRED (Since October 2012)

Name	Qualification	Designation	Specialisation	Experience	No. Of PhD Students
Ms. Sayantani Mukhopadhyay	M.A.	Associate Professor	Climatology & Urban Geography	15 years	NIL.

Atreya Paul	Ph.D.	Assistant Professor	Urban Geography & Regional Planning	7 years	NIL
Swapan Kumar Maity	Ph.D.	Assistant Professor	Remote Sensing & GIS	2 years	NIL

11. List of senior visiting faculty:

Name of Academician	Title/ Topic of Lecture	Year	Any other details.
Nirmalya Das	Global Positioning System	2013	Assistant Professor, Panskura Banamali College
Soumendu Chattapadhyay	Origin of the Earth: Big Bang Theory	2013	Assistant Professor, Vidyasagar University
Nilanjana Das	Feminism	2013	Assistant Professor, Vidyasagar University

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NA

13. Student-Teacher Ratio (programme wise): (2016-17)

UG Honours: 29:1

UG General: 13:1

PG: 3:1

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:

Highest Qualification	No. of Teaching Faculty (Existing)
D.Sc./D.Litt.	NIL
Ph.D.	02
M. Phil.	NIL
PG	03

16. Number of faculty with on-going 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: None

18. Research Centre / facility recognized by the University: None

19. Publications:

Total No. of Publications of the Department (2012-16, during the teachers' tenure at Haldia Government College) = 19

Publications details of Faculty:

A) CURRENT FULL TIME FACULTY

NAME OF FACULTY	No. of papers in Peer reviewed National /International Journal	No. of publications listed in Int. Data base	Monograph	Chapter in Books	Books Edited	Books With ISSN/ISBN No.	Citation Index	SNIP	SJR	Impact Factor	H- Index
Pijush Kanti Tripathi	05										
Bidyut Pramanik	06										
Sarbeswar Haldar	04										
Gopal Ch. Hembram	NIL										
Sk Mithun	04										

Details of publications is given in *Annexure I*

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards, d) Others

NAME OF FACULTY	National committees/International Committees /Editorial Boards
Pijush Kanti Tripathi	Geographical Society of India, ILEE, NAGI, INCA

Bidyut Pramanik	Geographical Society of India
Sarbeswar Halder	Member ILEE & IGF
Sk Mithun	Indian Society of Remote Sensing, Indian Society of Geomatics.

22. Student projects:

- a) The PG students are required to do project work as partial fulfilment of M. Sc. Semester IV course. The evaluation is done on the basis of internal assessment and a power point presentation of 30 minutes including question session.
- 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:

The department has regularly organized Seminars, Symposia etc. as detailed below. These were financed by the College and as such cannot be categorized.

1. UGC-Sponsored two-day National Seminar on " Society, Economy and Development: Issues and Challenges" organised by the Department of Sociology and Geography, Haldia Govt. College in collaboration with Haldia Advance Research Foundation for Human Development.(19-20 March,2013)
2. One-day seminar on Millenniums Development Goal and its impacts sponsored by the State Government.
Speakers: I)Dipankar Jana, Associate Professor, Khejuri College II) Dr. Nirmalya Das, Assistant Professor, Panskura Banamali College.(19.01.2013)
3. One day Workshop on Q-GIS(Open Sources GIS) in Collaboration with Opsis System Pvt, Kolkat(10/02/2016)

Speakers: I) Mr. Sasanka Konar, Sr. Manager, OPSIS System Private Limited, Kolkata

II) Mr. Arijit Mukherjee, Technical Expert, OPSIS System Pvt. Ltd., Kolkata

26. Student profile programme/ course wise:

Undergraduate Programme					
Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
2012-13	622	55	28	27	96.77 (2015)
2013-14	469	49	24	25	87.50 (2016)
2014-15	505	60	33	27	-
2015-16	339	62	34	28	-
2016-17	524	63	40	23	-
Postgraduate Programme					
2015-16	257	17	9	8	-

27. Diversity of Students: 100% students from the same state

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.

Name of the Competitive Examination	No. of students passed (in last five years)
UGC NET	10
CSIR NET	NIL
WEST BENGAL SCHOOL SERVICE COMMISSION	NIL
UGC NET WITH JRF	04
WBCS	01
West Bengal College Service Commission	05

29. Student progression: (2012-2016)

Student progression	Against % enrolled
UG TO PG	80
PG TO M.PHIL.	85
PG TO Ph.D.	50
Ph.D. to Post-Doctoral	Not known
Employed • Campus selection • Other than campus recruitment	Not known
Entrepreneurship/ Self-employment	Not known

30. Details of Infrastructural facilities:

a) Library: Seminar Library: The seminar libraries are kind of extensions of the main library. Books are borrowed from the main library and entered in the stock of the seminar library. The departmental seminar library has sufficient text and reference books to meet the students' requirements. All students of the PG course and Honours stream use the library regularly. One of the faculty members conducts the library works as seminar library in charge.

b) Internet facilities for Staff & Students: A central computer room has been established in the department. The department has 14 desktop computers of which 7 have active internet connection, 3 printers and one Ricoh copiers/scanners and another copier. Most of the Department is endowed with Wi-Fi facility as part of the networking done under the DST-FIST assistance received by the college.

c) Class rooms with ICT facility: Modern teaching methods like Over-Head projector, Slide projector and Computer devices like digital visualizer are employed. A seminar cum class-room with LCD projector facility is there for use as research group discussion room

as well as for audio-visual class room. The Internet facility is widely used for individual training of the students.

d) Laboratories: The Geography department has 2 (two) laboratories for undergraduate Honours and & PG Practical classes. This includes one computer lab and one soil lab for the UG Hons and PG students. The laboratories are well equipped. The instruments are well maintained. The yearly grants from Government of West Bengal and UGC are utilized to upgrade the laboratories. The faculty members actively participate and give their suggestions in this process.

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	Half free	Full Free
2013-14	9	7
2014-15	10	19
2015-16	17	4

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:

Student Enrichment Programme	Held on	Title	Funding Agency	External Expert/Resource Person/ Speaker
Concept of Origin of the Earth	06/01/2013	Big Bang Theory	College	Dr. Soumendu Chottopadhyay, Assistant Professor, Vidyasagar University
Application of Statistics in Geography	18/02/2013	Probability & test of significance	College	Dr. Bimal Kumar Chakroborty

Application of Statistics in Geography	07/01/2014	Multivariate Analysis	College	Sujan Chandra, Assistant Professor, Haldia Govt. College
Population Geography	28/01/2014	Feminism	College	Dr. Nilanjana Das Chatterjee, Assistant Professor, Vidyasagar University
GIS & Remote Sensing	17/03/2015	Digital Image Processing	College	Arijit Mukherjee, IT Expert & Geoscientist.

33. Teaching methods adopted to improve student learning:

1. PowerPoint presentation 2. Topic wise Field base study.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: NIL

35. SWOC analysis of the department and Future plans:

Strengths:

- Highly qualified and motivated faculty with the right blend of experience and youth.
- Meritorious students, a large section of whom come from rural population find the department a natural choice.
- Infrastructural facilities like good lecture rooms, seminar library, well equipped laboratories, computer lab, high speed wi-fi network facility.

Weaknesses:

- The tendency of the students not to aim high and join jobs right after graduation is a hindrance to the coherent activities in the undergraduate section.
- Number of faculty members is not sufficient to deliver personal guidance to the students.
- There is no technical staff in the department. Also, administrative staff are all group – D cadre.

Opportunities:

- There are opportunities to eliminate the weaknesses. The tendency of the undergraduates to leave geography may be combated by bringing the very interesting front line discoveries and challenges of geography to the freshers.
- The government is aware of the problems and we hope action will be taken.
- The government is aware of the problems and we hope action will be taken.

Challenges:

- To avail the opportunities the faculty is required to make the teaching materials more interesting and use infrastructural facilities more efficiently
- We have to overcome this situation by properly utilising the existing faculties.
- We are always trying to overcome these problems by taking additional non-academic work pressure.

Future Plans:

- Efforts will be taken to improve the undergraduate teaching. A student in the first year of geography comes with many fascinating ideas. But the curricula naturally are based to give them a solid training of techniques which have evolved over the last 300 years. To bridge this gap we plan to arrange for a coherent series of lectures at the beginning level by experts in various fields. The second year B.A/B.Sc. Students will also be benefited by such lecture series.

- The advanced undergraduate and post graduate students need to know what opportunities of research are there in our country. We have already started organizing seminars and one day lectures for this purpose but due to various reasons regularity could not be maintained. Our future plan is to regularize and expand the scope of these activities.
- Our PG department is comparatively new , so there is a lack of infrastructural facilities as well as efficient faculties that's why we have to re-organise our department based on modern equipment and efficient faculties.
- We have already started working for creating an efficient research group, in collaboration with teachers and post graduate students of our department. In the near future our department will be able to shine in the field of social science.
- The annual research output and the quality of it as reflected by the list of publications is not satisfactory, because of the incommensurate research fund generated by the departmental faculty. Our plan is to give particular attention to it and generate more funds.

Evaluative Report of the Department of Mathematics

1. **Name of the Department:** MATHEMATICS
2. **Year of Establishment:** 1988
3. **Name of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** UG (Honours and General)
4. **Names of the interdisciplinary courses and the departments/units involved:** NIL
5. **Annual / semester / choice based credit system (programme wise):** Annual
6. **Participation of the department in the courses offered by other departments:**
Two seminar lectures was delivered on Mathematical probability in PG course (Semester I) in Geography department in 2016 and 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 (Full Time):

	Sanctioned	Filled
Professor	00	00
Associate Professor	04	00
Asst. Professor		02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt. / Ph.D. / M.Phil. etc.)

Name of the Teacher	Qualification	Designation	Specialization	No. of years of Experience	No of Ph.D. students guided for last 4 Years.

Dr. Dipankar Sadhukhan	Ph.D.	Asst. Professor	Mathematical Ecology	7	Nil
Dr. Monami Das Roy	Ph.D.	Asst. Professor	Operation Research	10	Nil
List of transferred teacher					
Dr. Subhasundar Bandyopadhyay	Ph.D.	Associate Professor	Algebra	18	Nil
Deepankar Das	M.Sc.	Asst. Professor	Operation Research	7	Nil
Partha Ghosh	M.Sc.	Asst. Professor	Operation Research	10	Nil
Dr. Tapan Saha	Ph.D.	Asst. Professor	Mathematical Ecology	10	Nil

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and Practical classes handled (programme wise) by temporary faculty: NIL

13. Student –Teacher Ratio :

ACADEMIC SESSION	HONOURS	GENERAL
2016-2017	29:1 (Including 1st, 2nd and 3rd Year.)	68:1 (Including 1st, 2nd and 3rd Year.)

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. Phill/ P.G.:

Highest degree	Ph.D.	M. Phill	P.G.
No. Of Teachers	2	0	0

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grant received: (2015-16)

No of faculty	National/ International	Funding Agencies	Grant Received
01	National	UGC	Rs. 337500/-

17. Departmental Projects Funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grant received:

Year	No of Project	Funded by	Total Grant Received
2012-14	01	UGC	Rs. 1,78,300/-

18. Research Centre / Facility recognized by the university: NIL

19. Publications:

Name	No. of Papers in Peer Reviewed National/ International Journals	No. Of publications listed in Int. Data base	Monograph	Chapter in Books	Books With ISSN/ISBN No.	Citation Index	SNIP	SJR	Impact Factor	H-Index
Dr. Dipankar Sadhukhan	2	-	-	1	-	-	-	-	-	-
Dr. Monami Das Roy	6	-	-	-	1	-	-	-	-	-

The details of publications is given in *Annexure I*

20. Areas of consultancy and income generated: No such areas.

21. Faculty as members in

a) **National Committees** b) **International Committees** c) **Editorial Boards:**
NIL

22. Student Projects :

- Percentage of students who have done in-house projects including inter Departmental/Programme: 100% of 3rd year Honours students
- Percentage of students placed for projects in organization outside the institution i.e. Research Laboratories / Industry /other agencies: NA

23. Awards / Recognition received by faculty and students:

Dr. Dipankar Sadhukhan awarded CSIR Scholarship in 2005.

24. List of eminent academicians and scientists / visitors to the department: NIL

25. Seminar / Conferences /Workshops organized & the source of funding (National & International): NIL

26. Student profile programme / course wise:

Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
2012-13	116	30	19	11	100.00 (2015)
2013-14	170	22	16	6	87.50 (2016)
2014-15	121	27	23	4	-
2015-16	439	28	24	4	-
2016-17	186	15	11	4	-

27. Diversity of students: 100% students from the same state

28. How many of students have cleared NET, SLET, GATE, Civil services, Defense services, etc.?

Exam Cleared	Session	No. of Students
SSC	2011-12	02
SSC	2012-13	03
NET	2015-16	01

29. Student progression:

Student progression	Against % enrolled
UG to PG	25%
Employed	

Campus selection	13%
Other than Campus selection	
Entrepreneurship/Self-employment	Data not available

30. Details of infrastructural facilities

- Library:
 - Central Library: There are sufficient number of books on the subject.
 - Seminar Library: The department is equipped with an adequate number of books for the benefit of students.
- Internet facilities for staff & students:
Internet facilities are available in the department. Preparations are in progress for installation of Wi-Fi connectivity as well.
- Class rooms with ICT facility: Nil.
- Laboratories: One fully functional computer laboratory is attached to this department.

31. Number of students receiving financial assistance from college, university, government or other agencies:

No. of students who are waived (Full/ Half) from their tuition fee:

Session	Half free	Full Free
2013-14	6	2
2014-15	4	2
2015-16	7	2

32. Details of student enrichment programs (special lecture / workshops / seminar) with external experts: NIL

33. Teaching methods adopted to improve student learning: Lecture

34. Participation in institutional Social Responsibility (ISR) and Extension activities: NIL

35. SWOC analysis of the department and Future plans:

Strength:

- All the faculty members of the department are dedicated and devoted to their responsibilities.
- The students of the department maintain good academic discipline.
- The department has sufficient number of class rooms to hold honours and general classes for all three years.
- The department has a computer laboratory which is well-equipped to conduct computer programming and computer oriented courses. The department provides internet and LAN facilities to the students.
- The department has a good seminar library with sufficient number of excellent books on Mathematics.
- The interaction between students and teachers takes place in a homely environment in this department.
- Students feel free to interact with the teachers. Apart from Mathematics related problems, other queries are also taken care of by the teachers outside classes.
- Students are motivated to think with clarity and logical reasoning, guided by intuition and common sense. It is desired that they will grow up to be good human beings.

Weakness:

- The department has no non-teaching staff to offer support in departmental activities.
- We also do not have a computer laboratory assistant.
- Students are from different backgrounds. Some of them are first-generation learners of Mathematics. Some of them are from poor financial backgrounds. So, it becomes difficult to inculcate mathematical discipline to them as they do not have the basic support system in their homes.
- Due to the transfer of teachers some of the teaching posts lie vacant over long periods of time.
- We do not have access to good mathematical Journals as no financial support is available for good journals.

Opportunities:

- We try to make our students academically sound so that they can get entry into Institutes of global repute for their higher studies after completing the undergraduate course.
- We encourage our students for greater proficiency in soft skills and the college tries to provide the support with technical and infrastructural resources.
- Students are encouraged to take part in short term courses in Mathematics in different mathematical schools, to appear for IIT JAM, apply for any other competitive examination and also to apply for fellowships in research institutes.

Challenges:

- The department has to take necessary steps to fill vacant posts of teachers and possibly two non-teaching posts and a laboratory assistant.
- We have to take remedial steps to motivate students who are first generation learners. We also have to provide support to the students who are financially poor as far as possible.
- The students need constant encouragement from teachers to remain devoted to the subject.
- They also need motivation to face interviews and examinations for entry into reputed institutes of higher learning after completing the undergraduate course.
- The most daunting task is to make them healthy(mentally and physically) human beings with motivation, in particular, to the enhancement of mathematics learning and the enhancement of the society as a whole.
- A major challenge is to intellectually stimulate them to use their knowledge of mathematics for academic excellence and the larger welfare of society.

Future plan:

- Extensive efforts will be taken to improve undergraduate teaching. A student in the first year of Mathematics comes with many fascinating ideas. He likes to solve puzzles and many combinatorial problems. But the curricula naturally are based to give them a solid training of techniques which have evolved over the last 300 years. It impinges on his natural love of the subject. To bridge this gap we would like to try to arrange a coherent series of lectures at the elementary level by experts in various fields of mathematics so that the natural love is not lost. The senior students will also be benefited by such lecture series.
- The advanced undergraduate students need to know what opportunities of research are there in our country for higher Mathematics. In this respect our future plan will be to organize seminars and one day lectures regularly for this purpose.
- Our future plan is also to give stress on more research work and publications of the faculty.
- A proposal for the introduction of P.G. course in the department is in the pipeline. Professional courses like BCA and MCA are also under consideration.

Evaluative Report of the Department of Physical Education

1. **Name of the department:** PHYSICAL EDUCATION
2. **Year of Establishment:** 1988
3. **Names of Programmes/ Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., Etc.):** UG – (General.)
4. **Names of Inter disciplinary courses and the departments/units involved:** NIL
5. **Annual/semester/choice based credit system (Programme wise):** Annual
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:**

	Sanctioned	Filled
Professors		-
Associate Professors	02	-
Assistant Professors		01

10. A) **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
Sushanta Pal	M.Sc. (Economics) M.P.Ed	Assistant Professor	Biomechanics	01 year	Nil

- B) **Full time faculty transferred (since October 2012):**

Name	Qualification	Designation	Specialisation	Experience	No. Of Ph.D students
Biswajit Bhunia	Ph.D.	Assistant Professor	Sports Medicine	09 years	N.A.

11. List of senior visiting faculty: N/A

12. Percentage of lectures delivered and Practical classes handled (programme wise)

By temporary faculty (guest faculty): Nil

13. Student-Teacher Ratio (programme wise): (2015-2016):

Honours	General
--	231:1

14. Number of academic support staff (technical) and Administrative staff; sanctioned and filled: NIL

	Sanctioned	Filled
Academic support staff (Technical)	N.A	N.A
Administrative staff	N.A	N.A

15. Qualifications of teaching faculty With DSc/D.Lit./Ph.D./MPhil/PG/Ph.D.:

D.Lit. - NIL

Ph. D. - NIL

M.Phil. – NIL

P.G. - 01

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:

The details of the publications is given in Annexure I

20. Areas of consultancy and income generated: NIL

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 interdepartmental program: NIL
- 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: NA

24. List of eminent academicians and scientists/visitors to the departments:

Prof. A.K.Uppal, LNIPE, Gwalior; Prof. S.K. Mishra, BCPE, Orissa; Prof. Alok K Banerjee, Former VC, University of Kalyani; Prof. S. Bhowmik, University of Kalyani; Prof. A.K. Mallick, BCKV, Kalyani; Prof. S. Mridha, University of Kalyani; Prof. A.K. Biswas, JU, Kolkata; Prof. A.K. Goon & Prof. S. Mondal, Viswa-Bharati.

25. Seminars/Conferences/Workshops organized & the source of funding :

Sl. No.	NAME OF THE SEMINAR	SPONSORED BY	TOPIC	HELD ON
1	UGC – Sponsored National seminar	UGC	Physical Education for health, wellness, fitness and social integrity	March 22-23, 2013
2	UGC – Sponsored National seminar	UGC	Modern Physical Education and Globalization	September 03-04, 2015

26. Student profile programme/course wise:

Name of the Course/ programme	Year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.A./ B.Sc. (General.)	2011-12	Data not available	144	108	36	NA
	2012-13	270	168	110	58	NA
	2013-14	290	117	80	37	NA
	2014-15	300	114	82	32	NA
	2015-16	310	133	102	31	NA

*M=Male *F=Female

27. Diversity of Students: 100% of students from the same state

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, and Civil-services Defense services, etc.? NA

29. Student progression

Student progression	Against % enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	Not known
Entrepreneurship/Self-employment	Not known

30. Details of Infrastructural facilities (Departmental)

a) **Library:** Our department has no separate library for the use of students, they are generally used the common library of the college.

b) **Internet facilities for Staff & Students:** Department provide limited internet facility (only faculties).

c) **Class rooms with ICT facility:** Nil

d) **Laboratories:** There is one gymnasium in our department used by students for physical fitness and training.

31. Number of students receiving financial assistance from college, University, government or other agencies (Current year - 2016): NA

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts (Mention all departmental seminars)

Two national seminars organized by the department during last five years. The details are given in section 25.

33. Teaching methods adopted to improve student learning:

- Traditional lecture method
- Assignment
- Demonstration

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students are involved in various social activities through NSS & NCC.

35. SWOC analysis of the department and Future plans:

Strengths

- Regular interaction between teachers and students
- Gymnasium is available for fitness training of students
- A large number of students opt for Physical Education as their elective subject.

Weaknesses

- Only one faculty member is not sufficient to deliver personal guidance to the students.
- There is no technical staff and grounds man in this department.
- There is no proper play ground and sports arena

Opportunity

- Scope for higher education
- Employment Opportunities in Sports Quota
- Motivated students

Challenge

- To avail the opportunities the faculty is required to make the teaching materials more interesting and use of infrastructural facilities more efficient.
- Poor economic conditions of the students which is a barrier to maintain a proper physique and health needed for participating in sports
- Drop-out rates among girl students are higher and often they are discouraged to participate proactively

Future Plan:

The future plan of action can be briefly organized in the following points:

- To improve the infrastructural facility for practical as well as theory.
- To conduct departmental / National Seminar regularly.
- To undertake research projects with the assistance of U.G.C and other funding agencies on emerging topics.
- Arrange group discussion among the students at least one day in a week.
- Publish annual departmental magazine
- Renovation of gymnasium with modern facilities.
- Intend to arrange at least one yoga camp and one first aid training programme in every year

Evaluative Report of the Department of Physics

1. **Name of the Department:** PHYSICS
2. **Year of Establishment:** 1988
3. **Names of Programmes/Courses Offered (UG, PG, M.Phil., Ph.D., Int. M.Sc., Int. Ph.D., etc.):** UG (Honours and General)
4. **Names of Interdisciplinary courses and the departments/ units involved:** NIL
5. **Annual/ semester/ choice based credit system (Programme wise):** Annual
6. **Participation of the department in the courses offered by other department:** 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:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	7	-
Assistant Professors		4

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M. Phil.etc.,)**

CURRENT FACULTY

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for last 4yrs
1. Mr. Tirthankar Choudhury	M.Sc.	Assistant Professor	Electronics	09	Nil
2. Dr. Niladri Sekhar Mondal	M.Sc., Ph.D.	Assistant Professor	Solid State Physics	02	Nil
3. Ms.	M.Sc.	Assistant	Condensed	01	Nil

Debolina Das		Professor	Matter Physics		
4. Mr. Aloke Kumar Sinha	M.Sc.	Assistant Professor	Quantum Field Theory	01	Nil

RECENTLY TRANSFERRED FACULTY

Name	Qualification	Designation	Specialization	No. of years of experience	No of PhD students guided for last 4 years
1. Dr. Keya Bose	M.Sc., Ph.D.	Associate Professor	Solid State Physics	24	Nil
4. Dr. Uday Das	M.Sc., Ph.D.	Assistant Professor	Solid State Physics	8	Nil
5. Mr. Himangshu	M.Sc.	Assistant Professor	Nuclear Physics	8	Nil

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty (Part Time/ Guest Faculty): NIL

13. Student-Teacher Ratio (programmewise):

ACADEMIC SESSION	HONOURS	GENERAL
2016-2017	9:1 (Including 1st, 2nd and 3rd Year.)	30:1 (Including 1st, 2nd and 3rd Year.)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

- Sanctioned: 0
- Filled: 0

15. Qualification of teaching faculty with Ph.D. / M. Phil/PG:

Highest Qualification	No. of Teaching Faculty (Existing)
D.Sc./D.Litt.	-
Ph.D.	01
M.Phil.	-
PG	03

16. Number of faculty with on going 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 of the Faculties:

Name	No. of Papers in Peer Reviewed National/ International Journals	No. Of publications listed in Int. Data base	Monograph	Chapter in Books	Books With ISSN/ISBN No.	Citation Index	SNIP	SJR	Impact Factor	H-Index
Dr. Niladri Sekhar Mondal	09									
Tirthankar Chaudhury	08									
Debolina Das	09									04

Details of publications is given in Annexure I

20. Areas of consultancy and income generated: NIL

21. Faculty as members in Editorial Board: NIL

22. Student projects:

Percentage of students who have done in-house projects including interdepartmental/ programme: 100%

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: 03(CSIR Fellowship by faculties)

24. List of eminent academicians, scientists or visitors to the department: Nil

25. Seminars/ conferences/ workshops organized and sources of funding: National & International: Nil

26. Student profile (Program/ course wise):

Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
2012-13	221	12	8	4	100.00 (2015)
2013-14	146	9	8	1	100.00 (2016)
2014-15	204	13	11	2	
2015-16	417	13	12	1	
2016-17	236	14	10	4	

27. Diversity of students:100% of the students from the same state

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services etc.? Not known

29. Student progression:

Student Progression	Against % enrolled
UG to PG	57%
PG to MPhil	NIL
PG to PhD	NIL
PhD to Post-Doctoral	NIL
Employed: 1. Campus selection 2. Other than campus recruitment	1 8
Entrepreneurship/ self-employment	Not known

30. Details of infrastructural facilities:

- Seminar Library: No. of books: 505
- Internet facilities for staff and students: Yes
- Classrooms with ICT facilities: Yes
- Laboratories: 5

31. No. of students receiving financial assistance from college, university, government or other agencies:

No. of students who are waived (Full/ Half) from their tuition fee:

Session	Half free	Full Free
2013-14	2	2
2014-15	2	1
2015-16	3	0

32. Details on student enrichment programs (special lectures/workshops/seminar) with external experts: NIL

33. Teaching method adopted to improve student learning:

- ICT assisted lectures.
- Post lecture discussions.
- Various documentaries on recent developments of the subject are shown to the students to enrich their knowledge database and give them a better exposure.
- Teachers are connected to the students over social media, whereby students get guidance about how to make good use of academic resources that are available online.
- Students' seminar is organized to enhance the understanding of the subject and improve communication skills.
- Assignments are given and regular assessments are taken to ensure regularity and discipline in the study.

34. Participation in institutional social responsibility (ISR) and Extension activities: NSS and NCC.

35. SWOC analysis of the department and future plans:

Strength:

- Students harbor a genuine interest for the subject, which makes them dedicated and disciplined.
- There is a very well-knit fabric of mutual exchange between the teachers and students that eases the process of efficient teaching-learning.
- The students enjoy a good laboratory infrastructure and library facilities.
- The teacher-student ratio is suited for ensuring adequate individual attention.

Weakness:

- The department seriously suffers from lack of lab attendant.
- The number of teaching staff is inadequate for handling all the theory and practical classes of honours and pass students.
- Number of well-equipped classrooms are not adequate.

- A fair number of students come from distant areas. This hampers their regularity in class.
- Laboratory facilities need to be upgraded.
- Communication skills of the students need to be improved.

Opportunity:

- Graduate students with a physics background have a plethora of career options: both in academic and non-academic channels. Students can pursue further higher studies or they can apply for various government and private jobs.
- There is a good opportunity of initiating research activities in the department.

Challenges:

- To give the students a better exposure in terms of seminars, workshops and academic excursion to research laboratories.
- To equip the laboratories with more instruments.
- To increase the number of books in the seminar library.
- To prepare the students for various competitive exams.

Future Plans:

- Academic excursions and students' visit to research laboratories.
- National seminar or workshop in the department.
- Special coaching classes for competitive exams.
- Research activities in the department.
- Reading room for the students in the departmental library.

Evaluative Report of the Department of Sociology

1. Name of the Department: SOCIOLOGY

2. Year of Establishment: 1988

3. Names of Programmes/ Courses Offered (UG, PG, M.Phil., Ph.D., Int. M.Sc., Int. Ph.D. etc.): UG (Honours & General)

4. Names of Interdisciplinary courses and the departments/ units involved: NIL

5. Annual/ semester/ choice based credit system (Programme wise): Annual

6. Participation of the department in the courses offered by other department:

Two Special lectures was delivered by Ms. Ananya Chatterjee entitled “Post Modernism and Bengali Literature” in UG courses of Bengali department in 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. a).Number of teaching posts (Full Time):

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	04	0
Asst. Professors		04

b).West Bengal Govt. Approved Part Time teachers:Nil

c).Number of Guest Teachers: Nil

10. Faculty profile with name, qualification, designation, specialization, (D.sc./ D. Litt./ Ph.D/ M.Phil., etc.)

Present Faculty

Name	Qualification	Designation	Specialization	No. of years of experience	No. of PhD students guided for the last 4 years
Dr. Hasibul Rahman	M.A., M.Phil, Ph.D	Assistant Professor	Sociology of Religion	8 years	N.A.
Dr. Sumana Goswami	M.A., Ph.D	Assistant Professor	Sociology of Culture	7 years	N.A.
Ms. Ananya Chatterjee	M.A.	Assistant Professor	Rural Urban and Cultural Sociology	2.5 Years	N.A.
Mr. Rajdeep Sunar	M.A.	Assistant Professor	Industrial Sociology	1.6 Years	N.A.

Transferred Faculty

Name	Qualification	Designation	Specialization	No. of years of experience	No. of PhD students guided for the last 4 years
Ms. Mahua Patra	MA	Assistant Professor	Sociology	6 yrs	N.A.

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):

ACADEMIC SESSION	HONOURS	GENERAL
2016-2017	55:1(Including 1st, 2nd and 3rd Year.)	162:1(Including 1st, 2nd and 3rd Year.)

14. Number of academic support staff (technical) and administrative staffs; sanctioned and filled: NIL

15. Qualifications of teaching faculty with D.Sc./D.Litt/Ph.D./MPhil/PG:

Highest Qualification	No. of Teaching Faculty (Existing)
D.Sc./D.Litt.	-
Ph.D.	02
M.Phil.	0
PG	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Name of the Faculty	Project Title	Grant Sanctioned (Rs.)	Duration	Name of the Funding Agency
Ms. Ananya Chatterjee	Fast Food: Perceptions and Practices among youths in Kolkata	2,75,000/-	2016-onwards	UGC - Minor Research Project

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:

Publications	2011	2012	2013	2014	2015	2016	Total
Total year wise publication of the Department	-	-	2	6	4	1	13
No. of papers published in peer reviewed journals by faculty and students	-	-	1	4	1	-	6
Chapter in Books	-	-		2	3	-	5
Books with ISBN/ ISSN numbers with details of publishers	-	-	1	-	-	1	2

- List per faculty: See Annexure I

20. Areas of consultancy and income generated: NIL

21. Faculty as members in a) National committees b) International Committees c)

Editorial Boards : NIL

22. Student projects

- Percentage of students who have done in-house projects including inter departmental/ programme: 100% of 3rd yr students (Environmental Studies Project)
- Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industries/ other agencies : NIL

23. Awards/ Recognitions received by faculties and students:

- Dr. Sumana Goswami obtained first place with first class in Post Graduate Examination at the University of Kalyani.
- Dr. Sumana Goswami was awarded Young Sociologist at the annual conference of Indian Sociological Society in 2005.
- Dr. Sumana Goswami was awarded UGC JRF in Sociology
- Ms. Ananya Chatterjee obtained first place in Under Graduate Honours Examination at the University of Calcutta.
- Mr. Rajdeep Sunar awarded UGC JRF in Sociology.

24. List of eminent academicians and scientists/ visitors to the department:

- Prof. Abhijit Mitra, Burdwan University
- Abhay Xaxa, Jawaharlal Nehru University
- Swatasiddha Sarkar, North Bengal University
- Pradip Bhowmik, IIT Kharagpur
- Prof. S.A.H. Moinuddin, Vidyasagar University

25. Seminars/ Conferences/ Workshops organized and the source of funding

- **National : 01** (UGC Sponsored, 2013)
UGC Sponsored two days National Seminar entitled “Society, Economy and Development: Issues and Challenges” jointly organized with Department of Geography in collaboration with Haldia Advance Research Foundation for Human Development on 19 & 20th March, 2013.
- **International:** NIL

26. Student profile programme/ course wise:

Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
2012-13	278	81	27	54	100.00 (2015)
2013-14	111	72	25	47	100.00 (2016)
2014-15	96	47	14	33	-
2015-16	224	48	14	34	-
2016-17	148	78	26	52	-

27. Diversity of student: 100% of the students from the same state

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services, etc.?

NET/ SLET: 2

School Service commission: 2

29. Student Progression

Student Progression	Against % enrolled
UG to PG	80%
PG to M. Phil.	Not known
PG to Ph.D.	Not known
Ph.D. To Post-Doctoral	Not known
Employed • Campus selection : • Other than campus recruitment:	10%
Entrepreneurship/ Self-employment	30%

30. Detail of Infrastructural facilities:

- Library: Available
- Internet facilities for Staff and Students: Available (02)
- Class rooms with ICT facility: NIL
- Laboratories: NIL

31. Number of students receiving financial assistance from college, university, government or other agencies:

No. of students who are waived (Full/ Half) from their tuition fee:

Session	Half free	Full Free
2013-14	2	2
2014-15	12	6
2015-16	32	3

32. Detail on student enrichment programmes (special lectures/ Workshops/ Seminar) with external experts:

- UGC sponsored two days National Seminar entitled “Society, Economy and Development: Issues and Challenges” jointly organized with Department of Geography in collaboration with Haldia Advance Research Foundation for Human Development on 19 & 20th March, 2013.
- Two special lectures delivered by faculty member of Statistics entitled “Statistics in Social Science” and “Graphical Representation of Social Science Data” in 2017
- One special lecture delivered by faculty member of Education entitled “Illiteracy as a Social Problem” in 2017

33. Teaching methods adopted to improve student learning:

Interactive classroom discussions, screening of films relevant to the course and PowerPoint presentations.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students enthusiastically participate in NSS and NCC activities of the college.

35. SWOC analysis of the department and future plans:

Strength:

- Quality education to students living in and around Haldia.
- Qualified and dedicated teachers.
- Good student strength
- Availability of Books
- Regularity of classes and a healthy academic atmosphere.
- Strict measures regarding attendance of the students.

Weakness:

- Inadequate classrooms/ No smart classrooms

- No departmental toilet facility
- Huge number of students in general stream
- Inadequate sitting arrangements

Opportunities:

- Students get admitted to MA Course in different Universities including Vidyasagar University
- Career opportunities in government and non-governmental organizations for teaching research and administrative jobs.

Challenges:

- First generation learners
- To attract students with an aptitude to pursue higher studies
- Poor attendance
- Lack of proper infrastructural facilities

Future Plans:

- We intend to arrange for screening of more films which are relevant to the syllabus.
- We intend to arrange a national seminar in the next academic year.
- We intend to construct a smart classroom and a proper reading room.
- Introduction of Post-Graduation course provided more teachers are recruited and infrastructural facilities are improved to maintain the quality of teaching.

Evaluative Report of the Department of Statistics

Statistics is the grammar of science.

--Karl Pearson

- 1. Name of the Department:** STATISTICS
- 2. Year of Establishment:** 1988
- 3. Names of Programmes /Courses offered:** UG: Honours and General
- 4. Names of Interdisciplinary courses and the departments/units involved:** NIL
- 5. Annual/semester/choice based credit system (Programme wise):** Annual
- 6. Participation of the department in the courses offered by other departments:**

Mr. Sujan Chandra of this department delivered

- Special lecture on Multivariate analysis in Geography department in 2014
- Special lecture entitled “Application of Statistics in Anthropology” in Anthropology department in 2015.
- Special lecture on Testing of Hypothesis in Geography department in 2015
- Special lecture on “Statistical Geography: Methods and Applications” in Geography department in 2017
- Two special lectures entitled “Statistics in Social Science” and “Graphical Representation of Social Science Data” in Sociology department in 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 (Full time):**

Posts	Sanctioned	Filled
Professor	0	0
Associate Professor	05	0
Assistant Professor		5

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
Shyamsundar Sahoo	M.Sc., Ph.D.	Assistant Professor	Survival Analysis, Regression Analysis, Statistical Inference	9	—
Sujan Chandra	M.Sc., M.Phil	Assistant Professor	Applied Statistics	8	—
Sibsankar Karan	M.Sc.	Assistant Professor	Advanced Statistical Inference	8	—
Tanmay Kumar Maity	M.Sc, M.Phil	Assistant Professor	Regression analysis, Neural Networks	6	—
Tuhin Subhra Bhattacharya	M.Sc.	Assistant Professor	Applied Statistics and Probability	2	—

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 :

ACADEMIC SESSION	HONOURS	GENERAL
2016-2017	2:1 (Including 1st, 2nd and 3rd Year.)	2:1 (Including 1st, 2nd and 3rd Year.)

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:**

Ph.D.	1
M. Phil.	2
PG	2

16. Number of faculty with ongoing projects from a) National b) International funding Agencies and grants received:

Name of the Faculty	Project Title	Grant Sanctioned (Rs.)	Duration	Name of the Funding Agency
Dr. Shyamsundar Sahoo	Calibration of Some Diagnostic Plots for Checking the PH Assumption in Cox's Semi-parametric Regression Model	1,64,000/-	2012-2016	UGC - Minor Research Project
Sujan Chandra	The comparative cost performance study of some inventory models with price discount on backorders and permissible delay in payments in different demand environment	3,30,000/-	2015-2017	UGC - Minor Research Project

Tanmay Kumar Maity	Neural Networks in Longitudinal Analysis	2,80,000/-	2015-2017	UGC - Minor Research Project
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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:**

Name of the faculty	Number of papers published (Nat./ Int.)	Number of publications listed in Int. Database	Monographs	Chapter in Books	Books Edited	Books with ISBN/ISSN no.	Citation Index	SNIP	SJR	Impact factor	h-index
Dr. Shyamsundar Sahoo	2	2	-	-	-	-	-	-	2059 2061	1.22 1.82	56 120
Sujan Chandra	6	-	-	2	-	-	-	-	-	-	-
Tanmay Kumar Maity	1	-	-	-	-	-	-	-	-	-	-
Tuhinsubhra Bhattacharya	3	-	-	1	-	-	-	-	-	-	-

**** Details of publications given in Annexure I**

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees b) International Committees, c) Editorial Boards.

Name of the Faculty	National Committees	International Committees	Editorial Boards
Dr. Shyamsundar Sahoo	Life Member: ▪ Indian Statistical Institute ▪ Calcutta Statistical Association ▪ Indian Statistical Association	Member: ▪ International Indian Statistical Association	-
Sujan Chandra	Life Member: ▪ Calcutta Statistical Association ▪ Indian Science Congress	-	-
Sibsankar Karan	Life Member: ▪ Calcutta Statistical Association	-	-
Tuhinsubhra Bhattacharya	Life Member: ▪ Calcutta Statistical Association	-	-

22. Student projects

- Percentage of students who have done in-house projects including inter Departmental/Programme: 100% of 3rd year Honours students
- 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. Shyamsundar Sahoo: CSIR-JRF fellowship (2001) (not availed)
- Tuhinsubhra Bhattacharya:
 - Awarded First in 1st Class in UG course of Statistics (Hons.) by Vidyasagar

University (2004)

- o CSIR-JRF fellowship (2009), CSIR-SRF fellowship (2012)
- Sibsankar Karan:
 - o CSIR-JRF fellowship (2004) (not availed)

24. List of eminent academicians and scientists/visitors to the department:

- Dr. Abhijit Mandal, Visiting Scientist, Indian Statistical Institute, Kolkata.
- Dr. Susanta Tewari, Director, Tera Bundle Analytics pvt. Ltd.

25. Seminars/ Conferences/ Workshops organized & the source of funding

- National: Nil
- International: Nil

26. Student profile programme/ course wise:

Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
2012-13	21	14	10	4	100 (2015)
2013-14	12	7	6	1	100 (2016)
2014-15	13	3	2	1	-
2015-16	39	4	3	1	-
2016-17	28	5	4	1	-

27. Diversity of Students: 100% students from the same state

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	100%
PG to M.Phil.	Not known
PG to Ph.D.	Not known
Ph.D. to Post-Doctoral	Not known
Employed • Campus selection • Other than campus recruitment	-
Entrepreneurship/ Self-employment	-

30. Details of Infrastructural facilities

- **Library:** The department maintains a Seminar Library containing more than 300 books.
- **Internet facilities for Staff & Students:** Internet facilities are available in the departmental desktop computers, and both Staff and Students of the department regularly avail this facility. The staffs are also provided secured Wi-Fi connection in their laptops/tabs.
- **Class rooms with ICT facility:** Nil (However, the department has its own projector setup and it is frequently used during class lectures, project works of the students etc.)
- **Laboratories:** There are two computer laboratories in the department with 10 computers having internet connection.

31. Number of students receiving financial assistance from college, university,

Government or other agencies:

No. of students who are waived (Full/ Half) from their tuition fee:

Session	Half free	Full Free
2013-14	0	1
2014-15	1	1
2015-16	1	0

**32. Details on student enrichment programmes (special lectures/workshops/
Seminar) with external experts:**

- State-sponsored workshop on *Applications and Career Aspects of Statistics* held on October 7, 2013.

Details of Topics & Speakers:

Why study Statistics? <u>Speaker:</u> Mr. Ujjwal Kanti Manna <i>Assistant Adviser (AGM), Department of Statistics & Information Management, Reserve Bank of India, Mumbai.</i>
Application of Statistics in Drug Development and Clinical Trial <u>Speaker:</u> Mr. Kaushik Maity <i>Associate Manager – Biostatistics, Clinical Programming & Data Management, MMS Holdings, Bangalore.</i>
Enabling Data Driven Decision <u>Speaker:</u> Mr. Animesh Mondal <i>Associate Consultant - Advanced Analytics & Information Management, Wipro Technologies, Kolkata.</i>
Use of Statistical tools in some real life problems <u>Speaker:</u> Dr. Abhijit Mandal <i>Visiting Scientist, Indian Statistical Institute, Kolkata</i>

How to lie with Statistics?

Speaker: Mr. Sujan Chandra

Assistant Professor, Dept. of Statistics, Haldia Govt. College

- One-Day seminar on ***An Overview of Clinical Research: Career Opportunities in Biostatistics & SAS Programming*** held on October 31, 2014.

Details of Topics & Speakers:**Clinical trials and its career opportunities**

Speaker:Mr. Kaushik Maity

Associate Manager – Biostatistics, Clinical Programming & Data Management, MMS Holdings, Bangalore.

Survival analysis in clinical trials

Speaker:Mr. Shyamsundar Sahoo

Assistant Professor, Dept. of Statistics, Haldia Govt. College

Clinical trials: Demonstration with some real life data

Speaker:Mr. Kaushik Maity

Associate Manager – Biostatistics, Clinical Programming & Data Management, MMS Holdings, Bangalore.

- Seminar lecture on “Accelerating Science and Skilling for the Next-Generation of Jobs: A Global exposure” delivered by Dr. Susanta Tewari, Director, Terabundle Analytics Pvt. Ltd. held on March 1, 2017.

33. Teaching methods adopted to improve student learning:

Apart from regular classroom teaching, the department also arranges for special classes/lectures, remedial classes etc. to improve the quality of the students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The department always encourages the students to take part in different institutional and state level activities. The students and teachers of this department enthusiastically participate in different activities such as:

- Seminars organized by NSS, Women Cell, Equal Opportunity Cell
- Inter Collegiate Quiz Competition
- Youth Parliament Programme
- Inter College Sports
- College Sports and Cultural Programme

35. SWOC analysis of the Department and Future plans:

Strengths:

- The department has adequate number of qualified teachers with different specialization.
- Along with classroom teaching the faculties are involved in research work to improve them both theoretically and practically and publish papers regularly in reputed national and international journals.
- The students are very much dependable on classroom teaching as they are advised not to take any type of private tuition. They are always encouraged to study different reference books along with class notes.
- The students are always made aware of different real life problems along with the theoretic ideas to adapt themselves to the job market.
- The department has well equipped computer laboratory to help the students for their UG course and the teachers for their project work, research work and other academic activities.
- The department plays an important role in major TC sub-committees of the college.
- The faculties serve as paper setters, examiners and moderators of different universities and autonomous colleges.
- The faculties have major role in preparing and/or modifying the UG syllabus of Statistics honours and general courses under Vidyasagar University and Midnapore Autonomous College.

- The faculties chair the various sessions in International Conferences.
- The faculties also serve as the reviewers of reputed peer reviewed international journals on statistics.

Weakness:

Small numbers of student take this subject in their UG course.

Opportunities:

- Students are encouraged to do extra reading and make presentations of their class work.
- Re-structuring the departmental seminar library and making it more user friendly.
- Participation in small scale surveys and related data analysis to revive the theoretic knowledge of the students.

Challenges:

Few students take this subject in their honours course compared to other departments of the college. This picture is totally different in other colleges which are situated in the town areas. As the demand for Statistics professionals is day by day increasing, one major important challenge is to encourage more students to take this subject in their UG course. One workshop has already been organized by the department for the 10+2 level students from different school of the locality to aware them about this subject. Owing to one of the oldest college to teach Statistics under Vidyasagar University, the department has big challenge to spread this subject by increasing the quality and quantity of students.

Future plans:

- To introduce post-graduate programme in Statistics.
- To arrange a national seminar in the next academic year.

Evaluative Report of the Department of Tourism & Travel Management

- 1. Name of the Department:** TOURISM & TRAVEL MANAGEMENT
- 2. Year of Establishment:** 1998
- 3. Names of Programmes / Courses offered:** 3 Years B.A Degree Course (Major)
- 4. Names of Interdisciplinary courses and the departments/units involved:** NIL
- 5. Annual/ semester/choice based credit system (programme wise):** Annual
- 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 (Full time):**
 - a) Full Time Teachers:** NIL
 - b) West Bengal Government Approved Part-Time Teachers:** NIL
 - c) Guest Teachers:** Two (2)
- 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
Soumen Mullick	MTM (Masters in Tourism Management)	Guest Faculty	Tourism Management, HR & Entrepreneurship	04 Years	NIL
Anirban Sau	MTM (Masters in Tourism Management)	Guest Faculty	Tourism Management, Marketing & Entrepreneurship	03 years	NIL

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: 20:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: 2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:

Ph.D.	-
M. Phil.	-
PG	2

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:**

NIL

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

- **National committees b) International Committees c) Editorial Boards.**

NIL

22. Student projects

- Percentage of students who have done in-house projects including inter departmental/p rogramme: NIL
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 100% percent student Participate outside institution (Tourism & Travel Industry) for Industrial Training and Research Purpose.

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

- National: NIL
- International: NIL

26. Student profile programme/ course wise:

Session	Applications received	Selected	M	F	Pass percentage of the same batch in final exam.
2012-13	8	5	5	0	100 (2015)
2013-14	16	13	12	1	100 (2016)
2014-15	18	13	10	3	-
2015-16	20	17	12	5	-
2016-17	21	19	14	5	-

27. Diversity of Students: 100 % of the students from the same State.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Not known

29. Student progression:

Student progression	Against % enrolled
UG to PG	60%
PG to M.Phil.	Not known
PG to Ph.D.	Not known
Ph.D. to Post-Doctoral	Not known
Employed	
• Campus selection	30%
• Other than campus recruitment	
Entrepreneurship/Self-employment	20%

30. Details of Infrastructural facilities

- a) **Library:** The department has seminar Library as per the current needs of the student and faculty members. The library has separate section with CDs & DVD s on various

tourism topic.

- b) **Internet facilities for Staff & Students:** We have Internet Facilities for staff & students.
- c) **Class rooms with ICT facility:** There is a sophisticated computer laboratory with LAN & Broad Band Facilities for easy access to the internet. The laboratory is equipped with recent application software as use in the Industry.

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:

As per exiting guide line of the University each student is required to undertake for at least 3 month of practical training in Tourism Enterprise (e.g. Travel agency tour operation Unit, Hotel, Transportation Unit , etc). Student also visit and undertake training in ministry of Tourism Office Govt. Of West Bengal and student also attend Tourism Work shop seminar time to time.

There is field trip during the course. This trip is compulsory part for the 3 rd year student of Travel & Tourism Management. Our department is accordingly arranged for field trip within and outside the state. Before appearing the final exam each student is required to submit field report as their individual project report showing their view and experience us on the subject.

33. Teaching methods adopted to improve student learning:

Mode of Teaching include lecture session, field visit , classroom demonstration .

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Every year our students participate Tourism Awareness campaign and join preservation & Conservation activities of the local cultural resources.

35. SWOC analysis of the department and Future plans:

Strength:

- Audio visual classroom
- Innovative teaching method – Specified lecture, guest lecture, excursion, case studies.
- Special Coaching on communication, Group Discussion, personnel interview, Grooming & Personality Development.
- Good collection books are made available for the student from the department.
- Computer laboratory which helps student in handling computer based tourism software.

Weakness:

- Lack of adequate classroom.
- Insufficient teaching staff for smoothly running the Department.
- NO permanent full Time Teaching Post In this Department.
- NO financial support from university to run this professional course properly.
- Insufficient for contingency , Library books, printer and computer practical.

Opportunity:

The Tourism and Travel management is the most upcoming industry today. The tourism industry has a lot of new types of emerging jobs apart from the traditional ones. The increasing demand for professionals in the travel, tourism and hospitality industry have given rise to innumerable career opportunities.

Challenges:

This is self financial course .Department cannot get financial assistance from the University. Department completely depends on the enrollment of the student. Most of the time Department faces the crises of the fund to fulfill the relevant objective of the project.

Future Plan:

- Our aim and objective is to create professionally trained man – power in the field of travel, tourism, hospitality and other related service.

- Our aim is to Provide Placement Assistance to the every student in Government and Non-govt. Travel Tourism Organisation.
- Our mission is to provide quality training and to shape our student to be readily deployable by the industries, to meet the growing demand for trained manpower in the intrinsic competitive knowledge industry. The cell regularly arrange personality development programmes, mock interview, training and industrial visit for student.
- There are a lot of scope and opportunity in reputed organisation like Oberoi, Taj, ITC, Marriot, the park, Radition, Jet Airways, Cox & kings, SOTC and other major players in the industry. Apart from the normal training and placement activities have a frequent personal interaction with the students to understand and realize their problems better and try to solve effectively and boosting their confidence in every aspect.

SECTION F:
POST ACCREDITATION INITIATIVES

Post-accreditation Initiatives

Haldia Government College was accredited with Grade B in Cycle I of NAAC Accreditation on 31.03.2007. The Peer Team suggested some major guidelines for quality enhancement and maintenance of the institute. Subsequently, for quality assurance, the Internal Quality Assurance Cell (IQAC) was established. The IQAC plays a major role in ensuring quality enhancement of the college. It has emerged as a regularly functioning unit to sustain the quality of academic excellence. It prepares Annual Quality Assurance Reports (AQAR) of the college each year.

Following are the post-accreditation initiatives undertaken by the college:

- ❖ Regular postgraduate courses in Chemistry and Geography were introduced from the 2015 - 16 academic session.
- ❖ The teachers are encouraged to apply for Major and Minor Research Projects offered by different funding agencies to promote the culture of research activity in the institute. During the last five years the college has had 18 (ongoing and completed) Minor Research Projects and 1 Major Research Project.
- ❖ The college has organized quite a few value based special lectures and seminars to provide inspiration to the young learners and enhance their knowledge. Initiatives have been taken to organize UGC and state government sponsored national, state-level seminars on different academic areas.
- ❖ The departments have also been constantly encouraged to hold student-seminars. As a result many departments have come up with interesting ways of making students engage with meaningful academic presentations and interactions within the classroom.
- ❖ Departments are encouraged to regularly hold Remedial as well as Tutorial classes to address the specific needs of weaker sections of students.
- ❖ The college library is gearing up to become a major Learning Resource. It is now a subscriber of the INFLIBNET NLIST database. It has also initiated necessary steps for automation of the library through KOHA software.
- ❖ Complete online admissions both in undergraduate and postgraduate courses have been successfully introduced from the 2014- 15 academic session.

- ❖ The National Service Scheme (NSS) units of the college have carried out many important and meaningful activities in the recent years. Adoption of slums, special camps aimed at uplift of living conditions of the neighbourhood, community health and hygiene awareness drive, pollution awareness, literacy campaigns, blood donation camps, social audit, legal aid service programmes, cleanliness drives in the premises etc. are some of the prime measures taken by the NSS in recent years.
- ❖ The NCC unit of the college was introduced in 2015. Since then it has participated in more than 10 camps and training programmes (all India firing competitions, trekking, national integration camps, combined annual training camps etc.) conducted in different colleges and other institutions within the state and elsewhere. Our cadets have performed with distinction in national and state-level Republic Day parades. Different sensitization programmes, campus cleaning activities etc. have also been conducted by the NCC unit.
- ❖ Choice-based Credit System has already been introduced in the postgraduate courses from the academic session 2016 – 17 as per Vidyasagar University curriculum.
- ❖ Management of the Pay Roll and the Accounting System has been upgraded through the introduction of COSA, E-Pradan and E-Bantan softwares.
- ❖ High speed broadband internet connection has been successfully made available to all departments, the Principal's Office, the Central Library and the Students' Union Room. All these are also effectively connected through LAN. Moreover, the whole academic building has now been connected with Wi-Fi network which students, teachers, non-teaching staff members can access round the clock. The hostels too shall have the same access shortly.
- ❖ A separate Canteen Building has been constructed on the premises and designed with separate seating facilities for students and teachers. The canteen provided different hygienic food items at cheap rates.
- ❖ Placement facilities are being provided on regular basis from 2013 to the students. Different organizations hold Campus Recruitment programmes each year from which several students have obtained jobs.

- ❖ The college is equipped with a 50 KV Kohler silent, auto- start, pollution-free, diesel power generator set which can supply additional power to the entire academic building during power-cuts or emergency shortages.
- ❖ Both the boys' and girls' hostels have been renovated thoroughly during the financial year 2016 – 17 with funds sanctioned by the state government.
- ❖ The college has a vibrant Alumni Association which organizes an annual Reunion along with different programmes contributing to the improvement of the overall academic atmosphere of the college.
- ❖ Regular Parent-teacher meets are held in every department where problems of the students are addressed and valuable suggestions received from parents by the departments.
- ❖ Three submersible pumps have been installed to supply water to the academic building and hostels of the college. Advanced RO water purifier systems have been installed at several places in the academic building in order to supply safe and pure drinking water to students. Moreover, departments, the staff-room as well as the college office have also been equipped with water purifying systems.
- ❖ The PWD (Civil) has undertaken a plan to install fire-extinguishing systems in the academic building and hostels which is expected to be complete in the next few months.
- ❖ Initiatives are under way for the construction of a chemical sludge discharge pit on the premises for the department of Chemistry.
- ❖ The government has taken initiatives to install a solar energy system on the roof of the academic building in order to procure solar power as an alternate energy resource.
- ❖ Arrangements are present in the college for smooth movement of physically challenged persons (ramps, wheelchair etc.).
- ❖ The college has a well-equipped gym which students and staff members can access for workout.
- ❖ Every department has ICT enabled teaching-learning infrastructure. Some departments have Smart Classrooms too. There are two virtual classrooms which departments use according to their needs.

- ❖ The college has a UGC Network Resource Centre since 2004 which has gradually been upgraded by increasing the number of computers and enhancing the net connectivity. This centre is used by teachers and students.

The post-accreditation initiatives indicate that quality enhancement in every sphere of institutional development is the prime objective of Haldia Government College. The college is relentlessly pursuing excellence in areas of academic, extra-curricular and extension activities. The institution believes that although perfect excellence is never fully achieved, if the desire and goodwill are strong enough it can surely be approached. Exposing students to the ever-expanding horizon of knowledge, and enabling them to become worthy individuals of this society as well as of this world remains the ultimate goal of this institution.

SECTION G:

ANNEXURE-I, II & III

ANNEXURE I

LIST OF PUBLICATIONS BY THE FACULTY MEMBERS

Department of Anthropology

Bhubon Mohan Das

1. Das, B. Mohan, Ray, S., Mishra, S. K., Roy, A. G.(2010). Menstrual characteristics : A study of the adolescents of the rural and urban West Bengal, India”. *Annals of Human Biology*, 37(5), 668-681. ISSN: 0301-4460 (print), 1464-5033 (electronic)].
2. Das, B. Mohan .(2010) “Age changes in the anthropometric and body composition characteristics of the Bishnupriya Manipuris of Cachar district, Assam”. *Advances in Bioscience and Biotechnology*, 1(2), 122- 130. ISSN: 2156-8456 (print), 2156-8502 (electronic).
3. Das, B. Mohan, Ray, S. and Mishra, S. K. “Sexual and reproductive health issues among rural and urban adolescent boys of eastern India”. *Journal of Men's Health*, 9(2), 94-101. ISSN: 1875-6867. (2012)
4. Das, B. Mohan, Ray, S. and Mishra, S. K. “Rural - urban differences in nutritional status and physical body dimensions of adult Santal males of West Bengal”. *International Journal of Anthropology*, 28(4), 237-254. ISSN: 0393-9383 (2013)
5. Das, B. Mohan, Malakar, B ,Ray, S. and Mishra, S. K. “Bio-cultural perspective of reproductive and sexual health with special reference to adolescent male”. *The Asian Man*, 7(1&2), 14-28. ISSN: 0974-6366 (print), 0975-6884 (electronic) (2013)
6. Das, B. Mohan, Mozumdar, A., and Roy, S. K. “Life table analysis of a small sample of Santal population living in a rural locality of West Bengal, India”. *Anthropological Review*, 77(2), 233-248. ISSN: 1898-6773 (print), 2083-4594 (electronic) (2014)
7. Das, B. Mohan, Roy, S.K “Socio-demographic correlates of self-rated health among Santals of rural West Bengal, India”. *Eurasian Journal of Anthropology*, 5(1), 1-13. ISSN: 1309-2326 (print), 2166-7411(electronic) (2014)

Soumi Dey

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2. **Dey, Soumi,** Shaw, Tanusree, Mukhapadhyay, Sutapa, Das, Arnab, Goswami, Nabanita and Bagchi, Subrata Sankar. (2010). Facing exclusion at aging : an ethnographic profile of the elderly people in an old home in Kolkata metropolis. *Journal of the Department of Anthropology*, 10 & 11, 123-130. ISSN: 2249-6181.
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4. **Dey, Soumi,** Das, Arnab, Chaudhuri, Anindita, and Shaw, Tanusree. (2012). Launda dance in northern India: A study on the vulnerable young kothi performers in face of aggressive masculine desire. *Journal of the Department of Anthropology*, 14, 168-185. ISSN : 2249-6181.
5. **Dey, Soumi,** Shaw, Tanusree, Das, Arnab and Chakraborty, Falguni. (2012). In the dead end: A study of the decline of handloom silk weavers of Murshidabad. *Department of Anthropology, University of Calcutta*, 14, 242-258. ISSN : 2249-6181.
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11. **Dey, Soumi, Shaw, Tanusree & Das, Arnab (2015).** Hierarchy, power-relation and domination in a handloom ‘field. *International Organization of Scientific Research Journal of Humanities and Social Science*, 20(7), 14-21. pISSN : 2279-0845, eISSN : 22790837. DOI: 10.9790/0837- 20751421.
12. **Dey, Soumi, Shaw, Tanusree & Das, Arnab (2016).** Role of gender in decision-making: A study of women attached in handloom weaving. *International Journal of Gender Studies in Developing Societies*, 1(3), 278-298. eISSN: 2052-0360, pISSN: 2052-0352.
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Pinaki Dey Mullick

1. Dey Mullick, P. , A few entrees in a Bengali Encyclopaedia of Anthropology-Bigyankosh, Vol-1, published by *Sishu Kishore Academy*, Information and cultural section, Govt. of West Bengal. (2010)
2. Dey Mullick, P. ,Sen, P., Das, K., and Mukherjee, K. “Caste, Space, Symbols and Power: A Study of the Brahman and Other Castes in an Urban Enclave of West Bengal”. *Journal of the Department of Anthropology, University of Calcutta*, 12&13, 195-202. ISSN: 2249-6181 (2011)
3. Dey Mullick, P. , “The Basics of Ethnography: An Overview of Designing Ethnographic Research in Anthropology and Beyond”. *Journal of the Anthropological Survey of India*, 62(2), 893-902. ISSN: 2277-436X (2013)
4. Dey Mullick, P., Sen, P., Das, K., and Mukherjee, K. “The Basics of Ethnography: An Overview of Designing Ethnographic Research in Anthropology and Beyond”. *Journal of the Anthropological Survey of India*, 62(2), 893-902. ISSN: 2277-436X (2013)
5. Dey Mullick, P., Das, A. Bridging Caste, Psyche, Brahman, Brain and God: Introducing an Interdisciplinary Discourse of Managing Self. In S. Mazumdar and S. Banerjee (Eds.), *Behavioural Science in Management Practice*, 125-152, Kolkata: UGC Academic Staff College, University of Calcutta. ISBN: 978-81-927807-1-9. (2014)
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7. Dey Mullick, P., Das, A. “Serving the Tourists at Emergencies: An Ethnographic Account on Crisis, Communication, Interaction and Hospitality Management in the Face of Disasters”. *Scholars Journal of Arts, Humanities and Social Sciences*. 2(6A), 862-865. ISSN: 2347-5374 (Online), 2347-9493 (Print). (2014)
8. Dey Mullick, P., Das, A. “Puri: An Overview on Space, Potential and Possibilities for Social Research”. *Radix International Journal of Research in Social Science*, 3(11), 01-07. ISSN: 2250-3994 (Online), 2320-1738 (Print).(2014)

9. Dey Mullick, P., Das, A. "Disaster and Anthropology: An Overview on Theorizing Disaster in Interdisciplinary Spectrum". *International Journal of Physical and Social Sciences*, 4(4), 385-395. ISSN: 2249-5894. (2014)
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Mohan Chandra Dolai

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7. Dolai, M. C. Mouli: A Vulnerable Community of Sundarbans". *Bulletin of the Cultural Research Institute*, XXV(1&2), 75-81. ISSN: 0011-2895. (2014)
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Salil Dutta

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2. Dutta, S. "Community and Tuberculosis: A Study in Western Sundarban, West Bengal". In R.K. Mutatkar, Ajit K. Danda and Bikash Bhatt (Eds.), *Studies on Bio-Medical Anthropology Profiles of Health Cultures*. Indian National Confederation and Academy of Anthropologists, Indira Gandhi Rastriya Manav Sangrahalaya and Aryan Books International, New Delhi, 205-208. ISBN: 978-81-7305-372-6 (2010)
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Department of Bengali

Himadri Mukhopadhyay

1. Swamijir Samajchinta, Relevance of the message of Vedanta and swami Vivekananda Today, (Edit by- Satyanarayan Shou), ISBN 978-93-81554-08
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Amit Patra

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2. Herbart O Kangal Malshat Ebong Slang - Er Bhinno Boyaan , Sahitya Bishari , May 2012 , ISSN: 2278-1978 .
3. Sur-Realism - Er Anginay Pratichyer Chitrakala O Jibananander Kobita , Sahitya Bishari , October 2012 , ISSN: 2278-1978 .
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Department of Chemistry

Dipankar Pramanik

Grants

1. Hussain, S.; **Pramanik, D.**; Roy, M. Development of Antibody-Platinum Conjugates for the therapy of EGFR-overexpressing Tumors (Phase-1) **BT/SBIRI/879/33-B17/2011**. (~USD 50000)

Patent (Commercialized)

1. Maitra, A.; **Pramanik, D.** Smart polymeric nanoparticles which overcome multidrug resistance to cancer therapeutics and treatment-related systemic toxicity. PCT/US2011/063870.

This patent has been commercialized to SignPath Pharma, PA, USA.

Patents:

2. Majeti, B.K.; Karmali, P.P.; **Pramanik, D.**; Chaudhuri, A. Novel Integrin binding RGD-Lipopeptides with gene transfer activities. **US, PCT and Indian Patents** filed. (**Patent Application No. PT-488/06** filed **March 30, 2006**)
3. Hussain, S.; **Pramanik, D.**; Hossain, S.; Roy, M. Ligand Targeted Molecules and Methods Thereof. International Patent Application No. **PCT/US13/20130**.

Journal Publications (Average Impact Factor 5.1):

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(Immediately after its publication, this work received coverage in *SciBx*, a joint publication of *Nature* and *Biocentury* which highlights only 25 research papers each week after scanning thousands of papers published each week across the entire spectrum of life sciences. In addition, the paper received coverage in *Nature India*).
2. Srinivas, R.; Karmali, P.P.; **Pramanik, D.**; Garu, A.; Mahidhar, Y.V.; Majeti, B.K.; Ramakrishna, S.; Srinivas, G.; Chaudhuri, A. Cationic amphiphile with shikimic acid headgroup shows more systemic promise than its mannosyl analogue as DNA vaccine carrier in dendritic cell based genetic immunization. *J. Med. Chem.* **2010**, *53*, 1387-1391. (IF 5.25)
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Saikat Kumar Manna

Journal Publications:

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2. Mahapatra, A. K.; Ali, S. S.; Maiti, K.; Mondal, S.; Maji, R.; Manna, S.; **Manna, S. K.**; Uddin, M. R.; Mandal, S. *RSC Advances* **2016**, *6*, 113219.
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4. Mahapatra, A. K.; Maji, R.; Maiti, K.; Mondal, S.; Ali, S. S.; **Manna, S. K.**; Sahoo, P. *Supramolecular Chemistry* **2016**, *29*, 215.
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Sudipta Pathak

Journal Publications:

1. “Facile synthesis of substituted pyrrole-fused isocoumarins from ninhydrin” Sudipta Pathak, Ashis Kundu, Animesh Pramanik, ***Tetrahedron Letters***, 2011, 52, 5180-5183.
2. “Regioselective synthesis of two types of highly substituted 2-pyridones through similar multicomponent reactions” Sudipta Pathak, Ashis Kundu, Animesh Pramanik, ***Tetrahedron Letters***, 2012, 53, 3030-3034.

3. "Synthesis of biologically important phthalazinones, 2,3-benzoxazin-1-ones and isoindolinones from ninhydrin and their antimicrobial activity" Sudipta Pathak, Kamalesh Debnath, Sk Tofajjen Hossain, Samir Kumar Mukherjee, Animesh Pramanik, **Tetrahedron Letters**, 2013, 54, 3137-3143.
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Khokan Samanta

Journal Publications:

1. Y. Yoon^a, **K. Samanta**^a, H. Lee, K. S. Lee, A. P. Tiwari, J. H. Lee, J. Yang and H. Lee; *Scientific Reports*, 2015 , 5:14177 | DOI: 10.1038/srep14177. (^aAuthors are equal contributing)
2. S. Some, S. Kim, **K. Samanta**, Y. Kim, Y. Yoon, Y. Park, S. M. Lee, K. S. Lee and H. Lee; *Nanoscale*, 2014, 6, 11322.
3. **K. Samanta**, S. Some, Y. Kim, Y. Yoon, M. Min, S. M. Lee, Y. Park and H. Lee; *Chem. Commun.*, 2013, 49, 8991.
4. **K. Samanta**, A. K. Sarkar, G. K. Kar. *Synthetic Communication* 2013, 43, 384.
5. **K. Samanta**, G. K. Kar, A. K. Sarkar *Tetrahedron Lett.* 2012, 53, 1376.
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Barnali Jana

Articles Published in Publications:

1. A. Mahata, D. Bose, D. Ghosh, **B. Jana**, B. Bhattacharya, D. Sarkar and N. Chattopadhyay, *Studies of Triton-X-165- β cyclodextrin interactions using both intrinsic and extrinsic fluorescence*, J. Colloid Interface Sci. 2010, 347, 252.

2. B. Bhattacharya, **B. Jana**, D. Bose and N. Chattopadhyay, *Multiple emissions of benzil at RT and 77K and their assignments from ab-initio quantum chemical calculation*, J. Chem. Phys. 2011, 134, 44535.
3. D. Bose, **B. Jana**, S. Datta and N. Chattopadhyay, *Excited state intramolecular proton transfer of 2-hydroxy-1-naphthaldehyde semicarbazone: A combined fluorometric and quantum chemical study*. J. Photochem. Photobiol. A: Chem. 2011, 222, 220.
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6. **B. Jana**, S. Ghosh and N. Chattopadhyay, *Competitive binding of nile red between lipids and β -cyclodextrin*. J. Photochem. Photobiol. B: Biol. 2013, 126, 1.
7. P. Kundu, S. Ghosh, **B. Jana**, N. Chattopadhyay, *Binding interaction of differently charged fluorescent probes with egg yolk phosphatidylcholine and the effect of β -cyclodextrin on the lipid–probe complexes: A fluorometric investigation*. Spectrochim. Acta A. 2015, 142, 15.

Uday Sankar Midya

Articles Published in Journals:

1. Hydration Behavior at the Ice-Binding Surface of the Tenebrio molitor Antifreeze Protein. U. S. Midya; S. Bandyopadhyay. **J. Phys. Chem. B** 2014, 118, 4743.

Monotosh Mondal

Articles Published in Journals:

1. **M. Mondal**, P. M. Guha, S. Giri, A. Ghosh, *Deactivation of catecholase-like activity of a dinuclear Ni(II) complex by incorporation of an additional Ni(II)*, Journal of Molecular Catalysis A, Chemical, **2016**, 424, 54.
2. **M. Mondal**, S. Giri, P. M. Guha, A. Ghosh, *Dependence of magnetic coupling on ligands at the axial positions of Ni^{II} in phenoxido bridged dimers: experimental observations and DFT studies*. Dalton Trans, **2017**, 46, 697.

Shubhankar Samanta

(Transfer to Bidhannagar Govt. College on February 2016)

RESEARCH ACTIVITIES

Principal Investigator: **DST FAST TRACK** Project entitled “Synthesis of naphthoquinone based natural product and its analogue by Heck and Michael reactions” (SB/FT/CS-189/2012 DATE 30.06.2014)

UGC Sponsored Minor Research Project “Synthesis of Oxygen Containing Heterocycles by Heck and Michael reactions” (F.PSW-169/11-12 (ERO) dated 25-Jan-2012)

Rs. 1.95 lacs (June, 2012 to June, 2014)

Articles Published in Journal:

1. Pd(0) catalyzed intramolecular Heck reaction: a versatile route for the synthesis of 2-aryl substituted 5-, 6-, and 7-membered O-containing heterocycles **Shubhankar Samanta**, Hemakesh Mohapatra, Rathin Jana, Jayanta K. Ray **Tetrahedron letters*, **2008**, 49, 7153.
2. Substrate dependent intramolecular palladium-catalyzed cyclization and subsequent β -H elimination or C-H activation: a general method for the synthesis of fused pyran rings Rathin Jana, **Shubhankar Samanta**, Jayanta K. Ray **Tetrahedron letters*, **2008**, 49, 851

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3. Novel and Rapid Palladium-Assisted 6π Electrocyclic Reaction Affording 9,10-Dihydrophenanthrene and Its Analogues Rathin Jana, Indranil Chatterjee, **Shubhankar Samanta**, and Jayanta K. Ray* *Organic letters*, **2008**, 10, 4795.
4. Sodiumborohydride or potassium carbonate-mediated intramolecular Michael addition: a general method for the synthesis of fused dihydrofuran and furan derivatives **Shubhankar Samanta**, Rathin Jana, Jayanta K. Ray **Tetrahedron letters*, **2009**, 50, 6751.
5. Thiol-mediated tandem Michael–aldol reaction: a convenient method for the synthesis of fused cyclopentenones **ShubhankarSamanta**, NasimaYasmin, DebasishKundu and Jayanta K. Ray **Tetrahedron Letters*, **2010**, 51, 4132.
6. Synthesis of substituted benzimidazo[2,1-*a*]isoquinolines and its condensed analogues using Pd(0)-catalyzed cyclization/C-H activation Sukla Nandi, **Shubhankar Samanta**, Susovan Jana and Jayanta K. Ray* *Tetrahedron Letters*, **2010**, 51, 5294
7. Palladium-catalyzed one-pot Suzuki coupling followed by arylpalladium addition to aldehyde: a convenient route to fluoren-9-one derivatives Sunandapaul, **ShubhankarSamanta**, and Jayanta K. Ray**Tetrahedron Letters*, **2010**, 51, 5604.
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- 10.A facile, catalyst-free synthesis of new polycyclic pyrrolo[1,2-*b*]pyrazolonederivatives by Suresh Kumar Mondal, Susanta Kumar Manna, ArabindaMandal , **ShubhankarSamanta***, Jayanta K. Ray*. *Tetrahedron Letters* **2014**, 55, 6411–6415

11. One-pot synthesis of highly fluorescent polycyclic benzimidazole derivatives By Susanta Kumar Manna, Suresh Kumar Mondal, Atiur Ahmed, ArabindaMandal, AtanuJanac, Mohammed Ikbai, **ShubhankarSamanta**,* Jayanta K. Ray* RSC Advances, **2014**, 4, 2474-2481.
12. Platinum(II)–Catalyzed Novel Synthesis of 3,4-Fused Furans. Susanta Kumar Manna, ArabindaMandal, Suresh Kumar Mondal, **ShubhankarSamanta**,* Jayanta K. Ray*,Mahiuddin Baidya*. Synthetic Communication. **2015**, 45, 625-634.

Arabinda Mandal

(Transferred to Bidhannagar Govt. College on February 2016)

Articles Published in Journals:

1. A facile, catalyst-free synthesis of new polycyclic pyrrolo[1,2-b]pyrazolone derivatives by Suresh Kumar Mondal, Susanta Kumar Manna, **ArabindaMandal** , ShubhankarSamanta*, Jayanta K. Ray*. Tetrahedron Letters **2014**, 55, 6411–6415.
2. One-pot synthesis of highly fluorescent polycyclic benzimidazole derivatives By Susanta Kumar Manna, Suresh Kumar Mondal, Atiur Ahmed, **ArabindaMandal**,AtanuJanac, Mohammed Ikbai, ShubhankarSamanta,* Jayanta K. Ray* RSC Advances, **2014**, 4, 2474-2481.
3. Platinum(II)–Catalyzed Novel Synthesis of 3,4-Fused Furans. Susanta Kumar Manna, **Arabinda Mandal**,Suresh Kumar Mondal, ShubhankarSamanta,* Jayanta K. Ray*,MahiuddinBaidya*.Synthetic Communication **2015**, 45, 625-634.

Susanta Kumar Manna

(Transfer to Bidhannagar Govt. College on February 2016)

Principal Investigator: **UGC Sponsored Minor Research Project** “DNA Intercalation of Ru (II)-complexes” [UGC-MRP (No. PSW-086/11-12) 28.11.2011- 28.11.2013]

Articles Published in Journals:

1. One-pot synthesis of highly fluorescent polycyclic benzimidazole derivatives By **Susanta Kumar Manna**, Suresh Kumar Mondal, Atiur Ahmed, Arabinda Mandal, Atanu Janac, Mohammed Iqbal, Shubhankar Samanta,* Jayanta K. Ray* RSC Advances, 2014, 4, 2474-2481.
2. A facile, catalyst-free synthesis of new polycyclic pyrrolo[1,2-b]pyrazolone derivatives by Suresh Kumar Mondal, **Susanta Kumar Manna**, Arabinda Mandal, Shubhankar Samanta*, Jayanta K. Ray*. Tetrahedron Letters **2014**, 55, 6411–6415
3. Platinum(II)–Catalyzed Novel Synthesis of 3,4-Fused Furans. **Susanta Kumar Manna**, Arabinda Mandal, Suresh Kumar Mondal, Shubhankar Samanta,* Jayanta K. Ray*, Mahiuddin Baidya*. Synthetic Communication **2015**, 45, 625-634.

Arup Kumar Adak

(Transfer to Bidhannagar Govt. College on June 2016)

1. Antacids: Composition and Function by Arup Kumar Adak Aureole (ISSN no-0976-9625) **2014**, 5, 67-72.

Bankim Chandra Ghosh

(Transfer to Durgapur Govt. College, January 2016)

Articles Published in Journal:

1. ‘Determination of individual proton affinities of reserpine from its UV-Vis and charge transfer spectra’- **B. C. Ghosh**, N. Deb and A. K. Mukherjee. *J. Phys. Chem. A*, 112, 6929-6935 (2008).
2. ‘Inclusion of riboflavin in β -cyclodextrin: A fluorimetric and absorption spectrometric study’- D. K. Roy, N. Deb, **B. C. Ghosh** and A. K. Mukherjee. *Spectrochim. Acta, Part A*, 73, 201-204 (2009).

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4. Spectroscopic investigation of the three prototropic forms of a β -cyclodextrin-indolizine derivative from its inclusion-cum-charge-transfer complexes'- **B. C. Ghosh**, N. Deb, M. Becuwe, S. Fourmentin and A. K. Mukherjee. *Chem. Phys. Lett*, 504, 100-106 (2011).
5. 'Room-temperature fluorescence of a charge-transfer complex of reserpine in aqueous and aqueous-ethanol media'- **B. C. Ghosh** and A. K. Mukherjee. *Mol. Phys.*, 109, 1805-1811 (2011).
6. Excited State Proton Transfer assisted Fluorescence Resonance Energy Transfer in an Inclusion complex of a β -CD derivative'- **B. C. Ghosh**, N. Deb, M. Becuwe, S. Fourmentin and A. K. Mukherjee. *J. Photochem. Photobiol. A: Chemistry* 238, 29-34 (2012).
7. 'Investigation of ionization equilibria of L-aspartic and L-glutamic acids in water at a microscopic level by DFT method'- **B. C. Ghosh** and A. K. Mukherjee. *Mol. Phys.*, 111, 851-859 (2013).

Kankan Kumar Maity
(Govt. approved part time Lecturer:)

1. A heteroglycan from the mycelia of *Pleurotus ostreatus*: structure determination and study of antioxidant properties. Suresh Patra, Pradip Patra, **Kankan K. Maity**, Soumitra Mandal, Sanjay K. Bhunia, Biswajit Dey, K. Sanjana P. Devi, Somanjana Khatua, Krishnendu Acharya, Tapas K. Maiti, Syed S. Islam, *Carbohydrate Research*, 368, 2013, 16-21.
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3. Glucans of *Pleurotus florida* blue variant: Isolation, purification, characterization and immunological studies. Biswajit Dey, Sanjoy K. Bhunia, **Kankan K. Maity**, Suresh Patra, Soumitra Mandal, Swatilekha Maiti, Tapas K. Maiti, Samir R. Sikdar, Syed S. Islam, *International Journal of Biological Macromolecules*, 50, **2012**, 591– 597.

4. Heteroglycan from an alkaline extract of a somatic hybrid mushroom (*Pflovv1aFB*) of *Pleurotus florida* and *Volvariella volvacea*: structural characterization and study of immunoenhancing properties. Sanjoy Kumar Bhunia, Biswajit Dey, **Kankan K. Maity**, Suresh Patra, Soumitra Mandal, Swatilekha Maiti, Tapas K. Maiti, Samir R. Sikdar, Syed S. Islam, *Carbohydrate Research*, 354, **2012**, 110–115.

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10. Structural characterization of an immunoenhancing heteroglycan isolated from an aqueous extract of an edible mushroom, *Lentinus squarrosulus* (Mont.) Singer. Sanjoy Kumar Bhunia, Biswajit Dey, **Kankan K. Maity**, Sukesh Patra, Soumitra Mandal, Swatilekha Maiti, Tapas K. Maiti, Samir R. Sikdar, Syed S. Islam, *Carbohydrate Research*, 345, 2010, 2542–2549.

11. Chemical analysis of new water-soluble (1→6)-, (1 → 4)-a, b-glucan and water-insoluble (1 → 3)-, (1 → 4)-b-glucan (Calocyban) from alkaline extract of an edible mushroom, *Calocybe indica* (Dudh Chattu). Soumitra Mandal, **Kankan K. Maity**, Sanjoy K. Bhunia, Biswajit Dey, Sukesh Patra, Samir R. Sikdar, Syed S. Islam, *Carbohydrate Research*, 345, 2010, 2657–2663.

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Department of Economics

Tithi Bose

1. Bose, Tithi and Archita Ghosh (2013), “Performance of Panchayats in Executing Indira Awas Yojana in West Bengal” in Ghosh and Chattopadhyay (ed.) *Rural Development in India: Challenges and Prospects*, Serials Publications, New Delhi, ISBN: 978-81-8387-592-9.
2. Bose, Tithi (2015): Right to Work And How It Is Being Executed in West Bengal : A Case Study, *Indian Streams Research Journal*, Volume.5, Issue.7., pp 1-16

3. Bose, Tithi & Archita, Ghosh (2016): “How Far Has MGNREGS Contributed to Empowerment of Women? A Case Study of a Block in Purulia” in Hasibul Rahman (ed) *SOCIAL PERCEPTION OF WOMEN* , Kunal Books, New Delhi, ISBN : 978-93-82420-000.

Department of English

Manu Auddy

1. Katherine Mansfield :’The Fly’(Chapter in book entitled Narrative and Narration- A study of the Modern Short Story published by Anthem Press) 2008
2. Chapter included in Seminar proceedings- seminar on Victorian Literature held in Naba Ballygunge Mahavidyalaya 2010
3. Self Learning Material for NSOU ON Chaucer 2014
4. Chapter in book on Women’s Studies. Chapter entitled ‘Women in Ashapurna Devi’s Trilogy’ 2014
5. Section on Ernest Hemingway’s ‘The Old Man and the Sea’ in book on American Literature- yet to be published

Pritam Bandyopadhyay

1. **Translation for book:**

Word for Word: Essays on Translation in Memory of Jagannath Chakraborty

(edited by Prof. Visvanath Chatterjee)

Year of publication:1994

Published by: Papyrus

2. **Title of paper published:** *Keats and Silence*

Year of publication: 2008

Title of journal: *Impressions*

Published by: Department of English,Vivekananda College for Women, Barisha, Kolkata.

3. **Title of paper published:** 'Colonial Cousins or Conjoined Twins? Observations on Literature, Language and Power in the English Literature Classroom'

Year of publication: 2013

Title of Journal: *Asian Quarterly: An International Journal of Contemporary*

Issues, Volume 11, Issue no. 3 ISSN 2229 – 581X

Srimanta Das

Articles Published in Journals:

1. "An Ordinary Evening in the City", *International Journal of English Literature, Language, and Skills*, Ed. MrudulaLakkaraju, August 2015, Volume 4 Special Issue 2, Short Story Special, ISSN 22780742.
2. "Eve Kosofsky Sedgwick: A Feminist Writing about Men", *Women Writers and Writings about Women: Critical Articles*, Ed. Ram AvadhPrajapati and Dr. Asish Gupta, 2015, ISBN-978-81-922645-5-4
3. "Rabindranath Tagore's Portrayal of Women in *Red Oleanders*", *Indian English Dramatists: An Exploration*, Ed. Ram AvadhPrajapati and Dr. Asish Gupta, 2015, ISBN-978-81-922645-3-0.

Department of Geography

Bidyut Pramanik

Articles Published in Journals

1. The occupational disease and its root: a micro level study at a coastal village in Runn of Kutch, Gujrat, *Geographical review of india*, 74(2), June ,2012, pp-150-162, ISSN No: 0375-6386

2. The anthropogenic impact on avian migration and floral resources: a case study of satragachi wet land, Howrah, West Bengal Aureole, an academic journal, volume-4, no 1, July 2013, pp-56-62, ISSN No; 0976-9625
3. Can bottle neck of the prospect of traditional of SSI be inevitable?, Journal of rural and industrial development ,a peer review journal of publishing India group, New Delhi, volume 1, Issue-2, October,-2013, pp-24-31, ISSN no: 2321-1873
4. The industrilal impact on the Rann of Kutch: India's wild waste Aureole, academic journal , a publication of science, volume-5, no-1, April, 2014, pp-139-143, ISSN no: 0976-9625.
5. Interrelation between poverty and hypertension: a cross sectional study in the happy valley tea garden, Darjeeling, India Al-ameen journal of medical science, us national library of medicine enlisted journal, April, 2015,8(2), pp-125-134, ISSN no: 0974-1143
6. Survival of polo ball identity in Haora District, West Bengal Geographical Review of India, 76(3), September-2014, pp-295-303, ISSN no. 0375-6386.

Sarbeswar Haldar

1. Analysis of changing landscape and NDVI in Ausgram-II block, bardhaman district , west Bengal using landsat TM images, resources and development (issues and concerns), PAER IN EDITED VOLUME BOOK edited by N.C .Jana, and L.Sivaramakrisnan pp-160-168, ISBN-978-81-8064-252-4. October, 2013
2. Present status of solid waste management system in Assansol municipal corporation IOSR journal of humanities and social sciences, volume-20, iissue-4, ver-II, pp-31-36, April, 2015, IISN no: 2279-0837
3. Critical analysis of fresher college student's behaviour-a psycho geographical study International Journal of Current Research Vol. 7, Issue, 05, pp.16576-16581, May, 2015
4. Identifying the Causes of Water Scarcity in Purulia, West Bengal, India - A Geographical perspective IOSR Journal of Environmental Science, Toxicology and Food Technology

Swapan Maity

(Transfer to General Degree College-Dantal on Oct, 2016)

1. Analyzing stream hydraulics and risk of sedimentation at lower reach of the Rupnarayan River. Journal of River Research Institute, Volume -31, pp. 23-38, 2011 (ISSN: 0970-9258).
2. Impact of sedimentation on development and shifting of shoal area, pools and riffles and thalweg position at lower reach of the Rupnarayan River- a case study. Indian Journal of Power and River Valley Development, March-April issue, pp. 46-54, 2012 (ISSN: 0019-5537).
3. Fluvio-morphometric analysis of Silabati and Dwarakeswar river basin, West Bengal, India using spatial information technology- a comparative study. Indian Journal of Power and River Valley Development, September-October issue, pp. 130-137, 2012 (ISSN: 0019-5537).
4. Local scouring at and around vertical hydraulic structure- a case study around piers of bridges on Rupnarayan River, West Bengal. Indian Science Cruiser, Volume-26, pp. 38-46, 2012 (ISSN: 0970-4256).
5. Hydrodynamics at the junction of Silabati, Dwarakeswar and Rupnarayan River at Bandar, Paschim Medinipur, West Bengal, India. Indian Journal of Geomorphology, Volume- 17, pp. 97-111, 2013 (ISSN: 0973-2411).
6. Sedimentation and associated problems at lower reach of the Rupnarayan River - a case study near Kolaghat Thermal Power Station. Seminar volume, Department of Geography, Hijli College, pp. 71-86, 2013 (ISBN: 81-87500-71-9).
7. Shear stress for sediment entrainment in connection with grain size at lower reach of the Rupnarayan River, West Bengal, India. Indian Science Cruiser, Volume-28, No-1, pp. 16-26, 2013 (ISSN: 0970-4256).

8. Analysis of sedimentation in connection to grain size and shear stress at lower reach of Rupnarayan River, West Bengal, India. Indian Journal of Geo-marine Sciences, Vol. 45(9), pp. 1128-1137, September 2016 (ISSN: 0379-5136) (Impact Factor-0.316).
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Pijush Kanti Tripathi

1. Road connectivity and its implications in regional development: a case study of PurbaMedinipur district. Edited Volume; Published by the Department of Geography, Khejuri College; pp-55-59, 2014(ISBN-978-81-925349-0-9).
2. Road transport and its impact on development and environment: A case study of Purba Medinipur district; National seminar proceedings, Department of Sociology and Geography, Haldia Govt. college, pp65-69, 2013(ISBN-978-81-922957-9-4).
3. Support system in teaching geography, CTE workshop volume; geography; pp 35-38, Belur Ramakrishna Mission SikshanMandir, Howrah.
4. Pedagogical analysis in geography; IASE publication series-II, volume-V, 2009-2010, pp16-21.
5. Govt. intervention: A key issue in managing population growth and environmental conflicts in India, National Seminar proceedings, KhejuriCollege.

Sk. Mithun

1. Analyzing spatio-temporal growth dynamics of Kolkata Metropolitan Area (KMA), India, 1980-2010. Proceedings of 12th International Asian Urbanization Conference, Banaras Hindu University, Varanasi, India.

2. Compactness assessment of urban growth at spatio-temporal dimension using spatial autocorrelation: A case study of Kolkata Municipal Corporation (KMC), West Bengal, India. Proceedings of 27th Annual Conference of the India Institute of Geomorphologists (IGI), Digha, India.
3. Papers in Applied Geography Analyzing Urban Dynamics of Metropolitan Kolkata , India by Using Landscape Metrics. Papers in Applied Geography, 2(3), 284–297. <http://doi.org/10.1080/23754931.2016.1148069>
4. Modelling impacts of chemical fertilizer on agricultural production: a case study on Hooghly district, West Bengal, India. Modeling Earth Systems and Environment, 2(4), 180. <http://doi.org/10.1007/s40808-016-0223-6>

Department of Mathematics

Monami Das Roy

Articles Published in Journals

1. Roy, M., Sana, S. and Chaudhuri, K. A stochastic EPLS model with random price sensitive demand. *International Journal of Management Science and Engineering Management*. **5 (6)**, 465 – 472, 2010. (Taylor & Francis)
2. Das Roy, M., Sana, S. and Chaudhuri, K. An EOQ model for imperfect quality products with partial backlogging - a comparative study. *International Journal of Services and Operations Management*. **9 (1)**, 83 – 110, 2011. (Inderscience)
3. Das Roy, M., Sana, S. and Chaudhuri, K. An economic order quantity model of imperfect quality items with partial backlogging. *International Journal of Systems Science*. **42 (8)**, 1409 – 1419, 2011. (SCIE Journal, Taylor & Francis)
4. Das Roy, M., Sana, S. and Chaudhuri, K. An optimal shipment strategy for imperfect items in a stock-out situation. *Mathematical and Computer Modelling*. **54 (1-4)**, 2528 – 2543, 2011. (SCIE Journal, Elsevier)

5. Das Roy, M., Sana, S. and Chaudhuri, K. An integrated producer-buyer relationship in the environment of EMQ and JIT production systems. *International Journal of Production Research*. **50 (19)**, 5597 – 5614, 2012. (SCIE Journal, Taylor & Francis)
6. Das Roy, M., Sana, S. and Chaudhuri, K. An economic production lot size model for defective items with stochastic demand, backlogging and rework. *IMA Journal of Management Mathematics*. **25 (2)**, 159-183, 2014. (SCIE Journal, Oxford)

Books

1. Published a book entitled “Inventory Control & Production Planning: A Researcher’s Guide”, bearing ISBN 978-3-659-42048-1. LAP LAMBERT Academic Publishing.

Research Project:

1. Completed a **UGC Minor Research Project** F.PSW-040/10-11(ERO)Dtd.20.10.2010 entitled “An *integrated Optimized Production Technology (OPT)/ Just-In-Time (JIT) modeling on Production Planning and Inventory Control*”.**Session 2011-12:**

Dipankar Sadhukhan

1. D. Sadhukhan, B. Mondal& M. Maiti :Discrete age-structured population model with age dependent harvesting and its stability analysis: *Applied Mathematics and Computation* 201(1-2):631-639 · July 2008.
2. D. Sadhukhan, B. Mondal& M. Maiti :Food chain model with optimal harvesting in fuzzy environment: *Journal of Applied Mathematics and Computing* 34(1):1-18 · December 2010
1. D. Sadhukhan, B. Mondal& M. Maiti : A Food Web Population Model in deterministic and Stochastic Environment, *Facets of Uncertainties and Applications*. Page-277-292, Springer.-11/05/2015, ISSN-2194-1009. ISBN-978-81-322-2300-9

Deepankar Das

(Transferred to Sahid Matangini General Degree College for Women on 2015)

1. On Right Ideals and derivations in Prime rings with Engel Condition – Basudeb Dhara & **Deepankar Das** (2013) **Matematiki Vesnik** 65,2 (2013), 261-270.
2. A multiplicative (Generalized)- $(\sigma-\sigma)$ - Derivation Acting as (Anti-)Homomorphism in semiprime rings—Basudeb Dhara, Sukhendu Kar and **Deepankar Das** (2014) **Palestine Journal of Mathematics** vol.3(2)(2014), 240-246

Department of Physics

Niladri Sekhar Mondal

Articles Published in Journals:

1. Effect of next-nearest-neighbor interaction on $d_{x^2-y^2}$ – wave superconducting phase in 2D t-J model, N.S. Mondal and N.K. Ghosh, *Pramana – J. Phys.* 74, 115 (2010)
2. Role of next-nearest-neighbor hopping in the internal structure of the ground state and finite temperature quantities of 2D t-J model, N.S. Mondal and N.K. Ghosh, *Pramana – J. Phys.* 74, 1009 (2010)
3. Phonon mediated interaction in the two dimensional t-J model, N.S. Mondal and N.K. Ghosh, *American Institute of Physics Conf. Proc.* 1349, 807 (2011)
4. Role of correlated hopping in mixed valence phenomena, N.K. Ghosh, S.K. Bhowmick and N.S. Mondal, *Pramana – J. Phys.* 76, 139 (2011)
5. Effect of hole-phonon interaction on d-wave superconducting phase in 2D t-J model with phonon mediated interaction, N.S. Mondal and N.K. Ghosh, *Physica B* 406, 3723 (2011)
6. Increase of effective exchange energy due to phonon mediated interaction in the extended t-J model, N.S. Mondal and N.K. Ghosh, *American Institute of Physics Conf. Proc.* 1447, 865 (2012)
7. On-site and inter-site electron-phonon interaction in 2D Hubbard model, S. Nath, **N.S. Mondal** and N.K. Ghosh, *Physica B* 412, 83 (2013)
8. Bipolaron by inter-site electron-phonon interaction, N.S. Mondal *et. al.*, *American Institute of Physics Conf. Proc.* 1512, 810 (2013)

9. Interplay between electron-phonon interaction and Hubbard repulsion: an exact approach, S. Nath, **N.S. Mondal**, N.K. Ghosh, J Supercond Nov Magn 28, 1 (2015)

Tirthankar Choudhury

Articles Published in Journals:

1. “Shear Mechanism in 113In Using Semi-classical Method”, S.Ganguly, **T.Choudhury**, A.Dey, IJPAP 2011.
2. “Calculation of Parameter of Achcroft’s Potential using Vacancy Formation Energy for some BCC Metals: Li, Na, K, Rb, Cs, Ba”, A. Ghorai, **T. Choudhury**, A. Das, R. Dey, S. Ganguly, Defect and Diffusion Forum, 2012.
3. “Calculation of Parameter of Achcroft’s Potential using Vacancy Formation Energy for some BCC Metals: Cr, Mo, W, V, Nb, Ta, Ti, Eu, and Zr”, A.Ghorai, **T. Choudhury**, A.Das, R.Dey, S.Ganguly, diffusion-fundamentals.org, 2012.
4. “Waste Management and its Implication to Modern Life” **T. Choudhury**, A. Das, IJESDM, 2013.
5. Global Warming and Resulting Climate Change”, **T. Choudhury**, IJESDM, 2013.
6. “Fuel for Development and its Enviromental Impact: An Indian Perspective”, S. R. Bhattacharyya, **T. Choudhury**, IJESDM, 2014.
7. “Different Techniques for Synthesis of Nanostructures and its Applications”, A. Das and **T. Choudhury**, IJPAP, 2015.
8. “Nuclear Waste Management”, **T. Choudhury** and S. R. Bhattacharyya, IJPAP, 2016.

Debolina Das

Articles Published in Journals

1. “Real time investigation of the effect of thermal expansion coefficient mismatch on film-substrate strain partitioning in Ag/Si systems”
Debolina Das, Nasrin Banu, Bhaskar Bisi, J. C. Mahato, V. Srihari, Rumu Halder and B. N. Dev, J. of Appl. Phys. 120, 135301 (2016).

2. “Self-organized patterns along sidewalls of iron silicide nanowires on Si(110) and their origin”, **Debolina Das**, J. C. Mahato, Bhaskar Bisi, B. Satpati, and B. N. Dev, Appl. Phys. Lett. 105, 191606 (2014).
3. “Growth of a-few-atom wide nanowires with different surface reconstructions via desorption of Au on vicinal Si(111) surfaces”, **Debolina Das**, J. C. Mahato, R. Batabyal, Nasrin Banu, Bhaskar Bisi, and B. N. Dev, AIP Conf. Proc. 1536, 377 (2013).
4. “Ag-induced $\sqrt{3}$ reconstruction on Si(111)/Ge-(5 $\times$ 5) and the surfactant behavior of Ag in further growth of Ge”, J. C. Mahato, **Debolina Das**, Bhaskar Bisi, Arindam Pal, B.N. Dev, Appl. Surf. Sci. 356, 249 (2015).
5. “Self-organized trench–island structures in epitaxial cobalt silicide growth on Si(111)”, J.C. Mahato, **Debolina Das**, R. Batabyal, Anupam Roy, and B.N. Dev, Surf. Sci. 620, 23–29 (2014).
6. “Uniformity of epitaxial nanostructures of CoSi₂ via defect control of the Si (111) surface”, J.C. Mahato, **Debolina Das**, Anupam Roy, R. Batabyal, R.R. Juluri, P.V. Satyam, and B.N. Dev, Thin Solid Films 534, 296–300 (2013).
7. “Nanodot to nanowire: A strain-driven shape transition in self-organized endotaxial CoSi₂ on Si(100)”, J. C. Mahato, **Debolina Das**, R. R. Juluri, R. Batabyal, Anupam Roy and B. N. Dev, Appl. Phys. Lett. 100, 263117 (2012).
8. “Self-organized one-atom thick fractal nanoclusters via field-induced atomic transport”, R. Batabyal, J. C. Mahato, **Debolina Das**, Anupam Roy, and B. N. Dev, J. Appl. Phys. 114, 064304 (2013).

9. “Negative differential resistance in electron tunneling in ultrathin films near the two-dimensional limit”, R. Batabyal, A. H. M. Abdul Wasey, J. C. Mahato, **Debolina Das**, A. Roy, G. P. Das and B. N. Dev, J. Appl. Phys. 113, 034308 (2013).

Department of Physical Education

Sushanta Pal

Articles Published in Journals

1. A comparative study on AAHPER youth fitness test norms with newly constructed percentile norms of 13 years boys, International Journal of Applied Research, Vol I, Issue 8, pp 662-665, 2015
2. Reservation policy for Backward classes in Education, International Journal of Law, Education studies, 2015
3. A Study on Position of Center of Gravity of 5-11 years Boys, International Journal of Health, Physical Education & Computer Science in Sports, Vol 17 (1), pp 61- ,2015.
4. Vivekananda’s view on place of Teacher and its relevance to present India, Edulight, Vol 3, Issue 5, 2014.

Dr. Biswajit Bhunia

(Transferred to Government College of Physical Education for Woman, Dinhata)

Articles Published in Journals :

Bhunias, Biswajit (2015): Sports Psychology, Sports Sociology and Athletic Performance

Sports Psychology, Sports Sociology and Athletic Performance. *Active Life Style*

Bhunias, Biswajit (2015): A Study on the Explosive Strength of Arm and Shoulder *Active Life Style*

Bhunias, Biswajit (2016): Physical Activity and Management of Osteoporosis for Public Health
Active Life Style

Department of Sociology

Hasibul Rahaman

Book publication

1. Himalayan Mosque: Perspective of Sikkim; Kunal Book, New Delhi, ISBN978-93-82420-88-00 (2016).

Chapters in Book

1. Tourism Potentials in Kechopalri Lake in Some empirical aspects of economic growth and diversification in India's emerging economy by Prof. Pranab Kr. Chattapadhyay, Page-359-366, New Delhi Publisher, New Delhi (2014).

Articles Published in Journals

1. Muslims and Education of West Bengal: Theory to Pragmatism; International Journal of Humanities and Social Science Invention, Vol- 4 Issue 5 P.32-38 (2015).
2. An Inside view of Kechopalri lake in Sikkim: A Sociological Study. Asian Journal of Multidisciplinary Studies, Vol.2, Issue-6, Page 35-43 (2014)
3. Crisis of the Existence of Kechopalri Lake in Sikkim: A Sociological Study; Journal of National Development, Vol.27, No.1 (Summer), Page-63-72. (2014)
4. Contextualization of Indigenous Knowledge: The Case of Kechopalri Lake in West Sikkim Contemporary Social Sciences, Vol.23, No.2, Page.65-72 (2014)
5. Challenging dimension of lake:A Case Study of Kechopalri lake in Sikkim; Research Discourse, Vol-IV, No.2, Page-80-82. (2014)
6. Role of non-government organizations(NGOs) in rural development: a study of two local NGOs in Malda district; Man and Life, Vol-39, No. 1-2, Page 103-118 (2013)
7. Conservation through religious practices: A case study of Hussain Dighi of West Bengal Contemporary Social Sciences; Vol.21, No.2; Page.119-130 (2012).

Sumana Goswami

Book publication

1. Ucchamadhyamik Samajtattwa (in Bengali) with Prof. Bholanath Bandyopadhyay & Dr. Sudarshana Sen, West Bengal State Book Board, 2013, ISBN: 978-81-247-0732-6 (2013)

Chapter in Book

1. Social Demography in Samajtattwa-er Pratyay o Dharana Sutra (in Bengali) ed. By Dr. Amit Bhowmick, Rita Publications, Kolkata, February, 2015 ISBN 978-93-8222-968-1 (2015)

Ananya Chatterjee

Chapter(s) in Books

1. “Globalization, Cultural Transformation & Indian Diaspora” in The Diasporic Dilemma: Exile, Alienation & Belonging, Edited by Dr. Pradipta Mukherjee, Creative Books, New Delhi, ISBN:978-81-8043-111-6 (2015)
2. “Globalization, Culture and Transformation of Social Relationships” with Dr. Sudeshna Basu Mukherjee, in Gender, Identity and Multiple Marginalities: Essays in Honour of Prof. Yogendra Singh, Edited by Prof. Ishwar Modi, Rawat, New Delhi, ISBN: 978-81-316-0667-4 (2014)

Department of Statistics

Shyamsundar Sahoo

Articles Published in Journal

1. Some diagnostic plots and corrective adjustments for the proportional hazards regression model, D. Sengupta & Shyamsundar Sahoo *Journal of Computational and Graphical Statistics*(2011), 20: 375--394.

2. On graphical tests for proportionality of hazards in two samples D. Sengupta & Shyamsundar Sahoo *Statistics in Medicine* (2016), 35:942-956

Sujan Chandra

Articles Published in Journal

1. A deterministic inventory model with permissible delay in payment and price discount on backorders. Manisha Pal & Sujan Chandra *OPSEARCH* (2012), 49(3), 271-279.
2. A periodic review inventory model with stock dependent demand, permissible delay in payment and price discount on backorders. Manisha Pal & Sujan Chandra *Yugoslav Journal of operations Research* (2014), 24(1), 99-110.
3. A continuous review inventory model for deteriorating items with stochastic demand and price discount on backorder. Manisha Pal & Sujan Chandra *Australian Society for Operations Research Bulletin* (2014), 33(1), 38- 47
4. Inventory model for non-instantaneous deteriorating items with stock and time dependent demand, price discount and partial backlogging. Manisha Pal & Sujan Chandra *IAPQR Transactions, Journal of The Indian Association for Productivity, Quality & Reliability* (2014), 39(2) 153-168.
5. Batting performance measures in twenty-twenty cricket: A new approach
Sujan Chandra and Tuhinsubhra Bhattacharya *Proceedings of National Seminar on Modern Physical Education, Sports and Globalization* (2015)****
6. A periodic review inventory model with ramp type demand and price discount on backorders Sujan Chandra *Advanced Modeling and Optimization* (2016), 18(1), 73-81.

Tanmay Kumar Maity

Articles Published in Journal

1. Subject Specific Treatment to Neural Networks for Repeated Measures Analysis

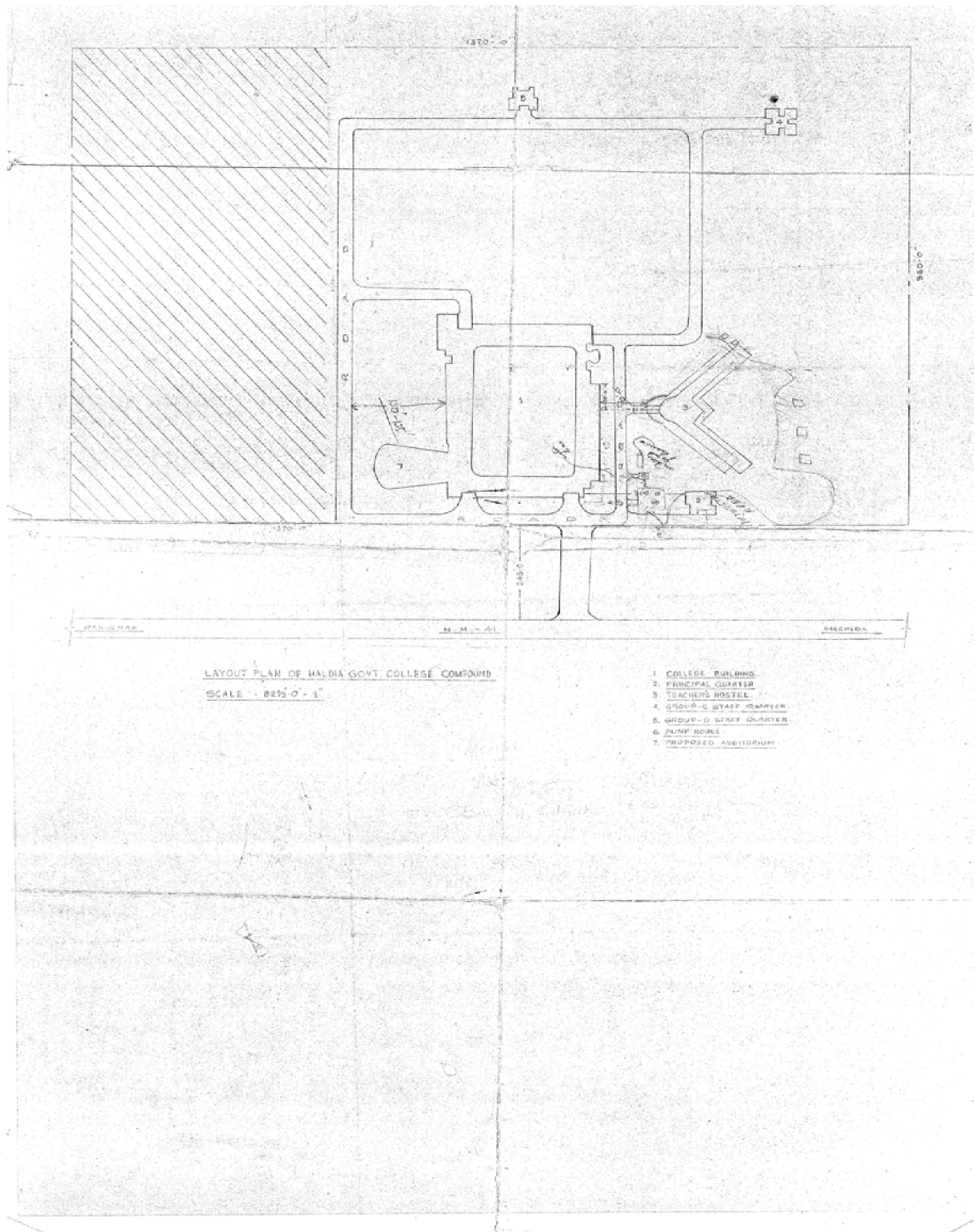
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Tuhinsubhra Bhattacharya

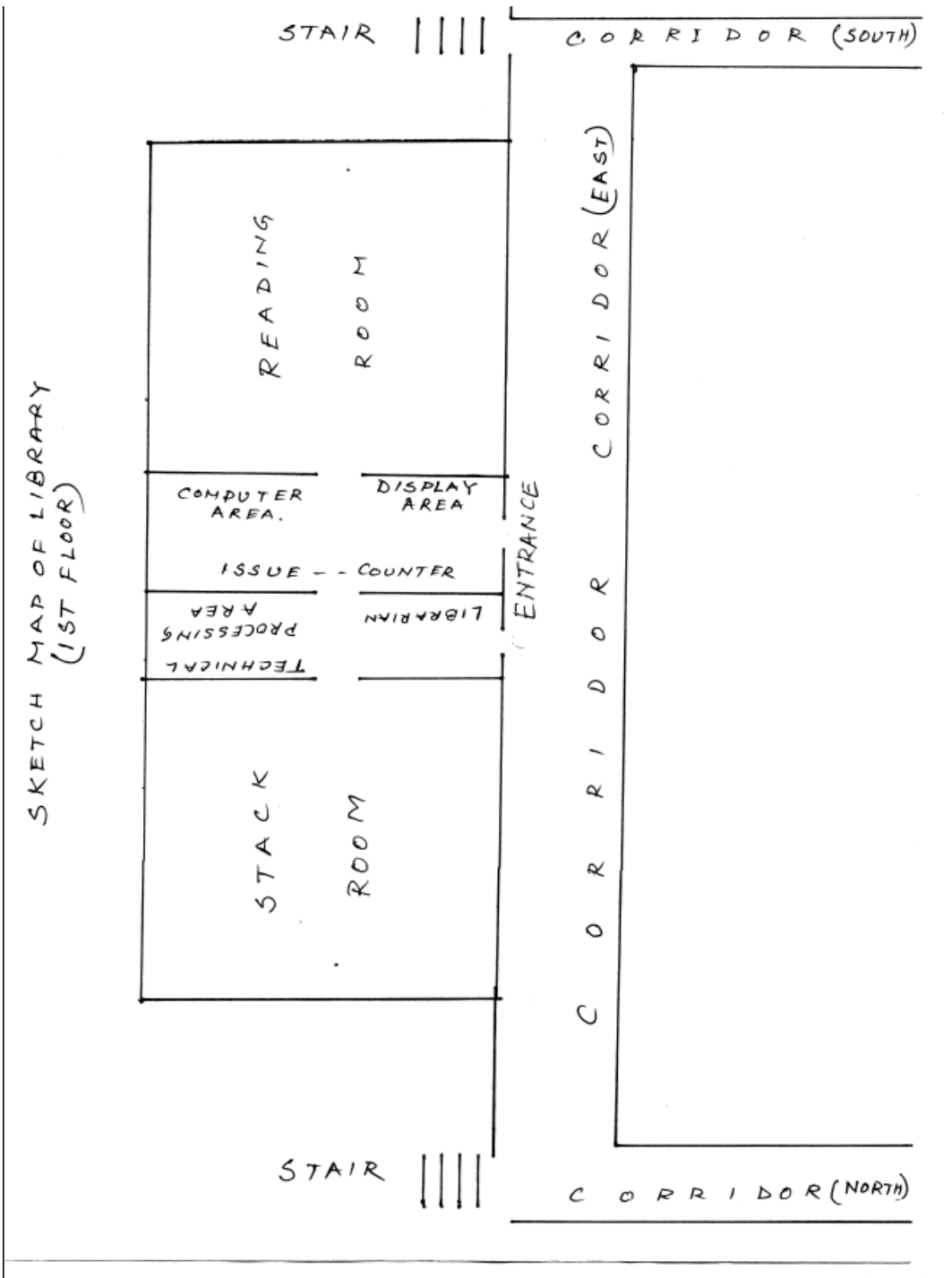
Articles Published in Journal

1. Option Pricing under Compound Bernoulli and Poisson perturbations of AR(1) log price process Tuhinsubhra Bhattacharya & ArindamSengupta *Calcutta Statistical Association Bulletin (Special 7-th Triennial Proceedings)(2011)Vol. 63, Nos. 249 –252.*
2. BAN Estimates of Class Boundaries under Likert-type Scaling. Tuhinsubhra Bhattacharya & Arindam Sengupta *Calcutta Statistical Association Bulletin (Special 8-th Triennial Proceedings)(2013)Vol. 65, Nos. 257 –260.*
3. A Gaussian Process Arising from Likert type scaling Tuhinsubhra Bhattacharya & Arindam Sengupta(2016) *Journal of Indian Society Probability and Statistics* , p 1-11

ANNEXURE II: Master Plan of College Campus



ANNEXURE III: Library Floor Plan



SECTION H:
ENCLOSURES



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
Haldia Government College
Haldia, Dist. Purba Medinipur
affiliated to Vidyasagar University, West Bengal as
Accredited
at the B level.*

Date : March 31, 2007



Director
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, 2007/429



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
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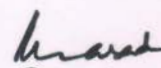
Quality Profile

Name of the Institution : Haldia Government College
Place : Haldia, Dist. Purba Medinipur
West Bengal

Criterion	Weightage (W_i)	Criterion Score (C_i)
I. Curricular Aspects	100	65
II. Teaching-Learning and Evaluation	400	286
III. Research, Consultancy and Extension	50	29
IV. Infrastructure and Learning Resources	150	121
V. Student Support and Progression	100	68
VI. Organization and Management	100	76
VII. Healthy Practices	100	67
Total	$\Sigma W_i = 1000$	$\Sigma C_i = 712$

$$\text{Institutional Score} = \frac{\Sigma C_i}{\Sigma W_i} \times 100 = \frac{712}{1000} \times 100 = 71.20$$

Date : March 31, 2007


Director

March 31, 2007/429

Enclosure-4.

UNIVERSITY GRANTS COMMISSION
INDIAN STATE ZONE OFFICE
NEW DELHI-110002.

6/10/97

No.F.223/94(CPP-I)

September, 1997

The Registrar,
Vidyasagar University,
Midnapore-721102(W.B.).

Sub: List of colleges prepared under Section-2(f) of the
UGC Act, 1956-Inclusion of New Colleges.

Sir,

124 SEP 1997

I am directed to refer to your letter No.VU/IC/UGC/79/
07-08 dated 02.07.1997 on the above subject and to say that
the name of the following college has been included in the
above list under Government college teaching upto Bachelor's
Degree:-

Name of the college	Year of Estt.	Remarks
Haldia Govt. College, P.O.Debhog, Dist.Midnapore, West Bengal, (Pin-721657). (Dr. Pranab Kr. Chatterjee)	1989	The College is eligible to receive central assistance in terms of the rules framed under Section-12-B of the UGC Act, 1956.

Yours faithfully,

(D.D. Mehta)
Under Secretary

For forwarding to:-

1. The Principal, Haldia Govt. College, P.O.Debhog, Dist.
Midnapore, West Bengal (Pin-721657).
2. The Secretary, Govt. of India, Ministry of Human Resource
Development, Deptt. of Education, T-14 Section, New Delhi.
3. Joint Secretary, UGC Eastern Regional Office, L.B-8,
Sector-III, Salt Lake, Calcutta-700091.
4. Chairperson Sectt/Vice-Chairman Sectt./Secretary Sectt.
5. All Sections, UGC.
6. S.O.(FD-III/CD-IV Section) UGC, New Delhi.
7. Guard file.

See
C. P. Arora
03/10/97

C.P. Arora
(C.P. Arora)
Section Officer

S. K. Chaudhary
Principal
Haldia Govt. College
Haldia, Midnapore



VIDYASAGAR UNIVERSITY : MIDNAPORE
P.O.- VIDYASAGAR UNIVERSITY : DIST.- PASCHIM MEDINIPUR : PIN.-721 102 : W.B.

Date : March 17, 2017

TO WHOM IT MAY CONCERN

This is to certify that Haldia Government College, At & P.O. : Haldia, Dist. : Purba Medinipur, PIN : 721 657, West Bengal is affiliated to Vidyasagar University since 1985 and recognized by the University Grants Commission under section 2(f) & 12B of the UGC Act 1952 and the following Courses/Subjects are taught in the said college as per approval :

Sl. No.	Course	Affiliation Permanent/Temporary
01	3-year B.A. Honours Degree Course in Bengali, English, Sociology & Education.	Permanent
02	3-year B.Sc. Honours Degree Course in Anthropology, Chemistry, Mathematics, Physics, Geography, Statistics & Economics.	Permanent
03	3-year B.A. General Degree Course in Bengali, English, Sociology, Education & Physical Education.	Permanent
04	3-year B.Sc. General Degree Course in Anthropology, Chemistry, Mathematics, Physics, Geography, Statistics & Economics.	Permanent
05	2-year(Four Semester) M.Sc. Course in Chemistry & Chemical Technology, Geography & Environment Management.	Permanent
06	2-year M.A/M.Sc. Course(Directorate of Distance Education) in Chemistry, Geography & Bengali.	Permanent
07	3-year Vocational Course(Self-finance) in Travel & Tourism Management.	Permanent

Countersigned


(Dr. Avijit Roychoudhury)
INSPECTOR OF COLLEGES
Inspector of Colleges,
Vidyasagar University
Midnapore-721102




(Dr. Jayanta Kishore Nandi)
REGISTRAR
Registrar
Vidyasagar University
Midnapore-721102



GOVERNMENT OF WEST BENGAL
Office of the Principal
HALDIA GOVT. COLLEGE

P.O.- DEBHOG, DIST.- PURBA MEDINIPUR, PIN - 721657

Ph. - (03224) 252278, 252044, Fax No. - (03224) 255873

E-mail : hgchaldia@gmail.com

Website : www.haldiagovtcollege.org.in

Memo / Ref. No.

Dated.....20

From :- The Principal, Haldia Govt. College
Purba Medinipur

To :

Declaration by the Head of the Institution

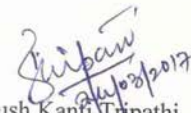
I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been out sourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Date:

Place: Debhog, Haldia, Purba Medinipur, WB


Dr. Pijush Kanti Tripathi
Officer-in-charge
Haldia Govt. College
P.O. - Debhog, Haldia
Purba Medinipur, WB.