Self Study Report

For National Assessment & Accreditation Council

2016

Trivenidevi Bhalotia College, Raniganj

P.O : Raniganj Dist. Burdwan, Pin 713 347

West Bengal, INDIA

Website: www.tdbcollege.ac.in

e-mail : tdbcollegeraniganj@gmail.com

Contents	Page No
PREFACE	1-4
EXECUTIVE SUMMARY	5-10
PROFILE OF THE COLLEGE	11-23
CRITERIA-WISE INPUT	
1. CURRICULAR ASPECTS	25-33
2. TEACHING – LEARNING AND EVALUATION	34-69
3. RESEARCH, CONSULTANCY AND EXTENSION	70-107
4. INFRASTUCTURE AND LEARNING RESOURCES	108-128
5. STUDENT SUPPORT AND PROGRESSION	129-143
6. GOVERNANCE, LEADERSHIP AND MANAGEMENT	144-169
7. INNOVATIONS AND BEST PRACTICES	170-183
EVALUATIVE REPORTS OF THE DEPARTMENTS	
COMMERCE	184-192
BENGALI	193-203
ECONOMICS	204-212
ENGLISH	213-222
GEOGRAPHY	223-232
HINDI	233-241
HISTORY	242-250
PHILOSOPHY	251-259
POLITICAL SCIENCE	260-268
SANSKRIT	269-276
URDU	277-285
BOTANY	286-294
CHEMISTRY	295-304
COMPUTER SCIENCE	305-312
ELECTRONICS	313-321
GEOLOGY	322-331
MATHEMATICS	332-340
PHYSICS	341-350
PHYSIOLOGY	351-360
STATISTICS	361-369
ZOOLOGY	370-381
IEQA APPLICATION	
AISHE UPLOAD CERTIFICATE	
DECLARATION BY THE PRINCIPAL	

PREFACE

EXECUTIVE SUMMARY

PROFILE OF THE COLLEGE

CRITERIA-WISE INPUT

EVALUATIVE REPORTS
OF
THE DEPARTMENTS

IEQA APPLICATION

AISHE UPLOAD CERTIFICATE

DECLARATION BY THE PRINCIPAL

PREFACE

Trivenidevi Bhalotia College, situated at Raniganj in Burdwan district of West Bengal and registered under 2(f) and 12B of the UGC Act, is submitting the Self Study Report for Assessment and Accreditation in the first cycle. The college commenced its journey from 1957 and was affiliated to Calcutta University at the outset. It, however, became affiliated to the University of Burdwan from 1st July, 1960, after creation of the university in 1959. At present the college is in a state of transition as regards its status of affiliation. The college has been affiliated to the Kazi Nazrul University, Asansol from 24th June, 2015. It may be pertinent here to write a few words of introduction about the college.

Trivenidevi Bhalotia College (T.D.B. College), the second government-sponsored institution of higher education to be set up in Asansol Sub-Division of Burdwan District of West Bengal, was established in 1957. Individuals from different strata of society – educationists, administrators, public representatives, social workers and businessmen were of the strong opinion that such an institution was essential to fulfill the dreams of aspirants of higher education in Raniganj and the coalfield and rural areas surrounding it, and their collective endeavour under the leadership of Sri Banawarilal Bhalotia, an eminent social worker and businessman, resulted in the setting up of this college. In July 1956, Srimati Trivenidevi Bhalotia, wife of Sri Banawarilal Bhalotia, after whom the college is named, donated a sum of Rupees One Lakh and Sri M.L. Bhartia, Sri P.L. Ganeriwala, Sri K.N.Shaw and Sri B.N. Shaw together donated 9.354 acres of land for construction of the college building together with staff quarters for teachers (which was financed by various donors). Construction of the aforementioned buildings began in 1958.

In its nascent stage, the college was permitted to teach the following subjects:-

I.A: English, Bengali, Elective Bengali, Hindi, Sanskrit, History, Civics, Logic, Mathematics, Commercial Geography, Commercial Mathematics and Book keeping.

I.Sc: English, Bengali, Hindi, Physics, Chemistry, Mathematics and Biology.

B.A. (Pass): English, Bengali, Elective Bengali, Hindi, Sanskrit, History, Economics and Mathematics.

The college was permitted to admit 300 students initially. The founder- Principal of the college, Dr. Arya Kumar Bandyopadhyay joined the college in July, 1957, and soon teachers and non- teaching staff were recruited. Initially, the college was housed in Raniganj High School where

classes were held in the morning. The college library and laboratories were set up here.

The two storied college building was completed in 1960 and was inaugurated by the then Chief Minister of West Bengal, Dr. Bidhan Chandra Roy. The college was shifted to its own building from the session 1960 – 61. Teachers also shifted to their newly built staff quarters. A hostel for Male students (Boys' Hostel) was constructed adjacent to the college building, 50% of the funds for which were given by UGC. B.Sc. classes in the Day section and B.Com classes in the Evening were started giving the institution the status of a fully fledged Degree College.

The main aim of T.D.B. College has always been to impart quality education to provide productive human capital. With this objective, the expansion and development of the college continued in terms of both academics and infrastructure, notably under the two far-sighted Principals of the college- Sri C.R. Mazumder and Sri Harasanakar Bhattacharya. Different subjects and courses were gradually introduced as follows:-

Years	Course
1960 - 1969	B.Com, Physics(Pass), Chemistry(Pass), Mathematics(Pass), Zoology (Pass), Botany(Pass), Philosophy (Pass), Economics(Honours), Mathematics(Honours), Bengali (Honours), Histroy (Honours), Hindi (Honours), Accountancy, Urdu (Pass)
1970 – 1979	English (Honours), Political Science (Honours), Chemistry (Honours), Physics (Honours)
1980 – 1989	Botany (Honours), Zoology (Honours), Statistics (Pass), Physiology (Pass), Geology (Honours)
1990- 1999	Statistics (Honours), Electronics (Pass), Geography (Pass), Geography (Honours), Computer Science(Pass), Electronics (Honours), Urdu (Honours) Physiology (Honours)
2000- 2010	Urdu P.G., Computer Science (Honours), Sanskrit (Honours) , Philosophy (Honours)

In 1976, at the initiative of the Professor–in charge Dr. A.C Roy, the teachers of the college gladly volunteered their services to meet the needs of students of the new academic pattern of +2 courses – the only institution in the locality to come forward without any compulsion. In addition to curricular activities, students have been participating in co-curricular activities like sports and cultural activities. The college has active NCC and NSS units. The NSS unit of the college has adopted wards 36 and 88 of the Asansol Municipal Corporation as part of its institutional social responsibility.

In order to fulfill the growing requirements of different departments, students, teachers and non-teaching staff, the two–storied college building was extended by adding a third storey, and more staff quarters for teaching and non-teaching staff, a college canteen, the compound wall, a playground with a

gallery, and the NRS building were constructed. Provisions were made for internal water supply and street lights in the college campus and it was decorated with a garden (the present garden of medicinal plants).

In the early eighties, a new three storied building called Earth Science Building was constructed with grants from the UGC, the Eastern Coalfields Ltd and the Government of West Bengal. In the nineties, an open-air stage was built across the playground of the college. To overcome of lack of adequate space in the library, a new library building was constructed from college funds.

To meet the demands of the local minority population, Post Graduate course in Urdu was started in the college from the session 2009 – 2010. The local M.P. and M.L.A provided LAD funds to construct a new building for the Urdu department.

Trivenidevi Bhalotia College has regular interactions with the local society in Raniganj. The Inter School sports are held in the college playground. Plantation of trees in the college campus has been carried out by the Lions Club of Raniganj.

Most recently, from the session 2015 – 2016, online admission system has been initiated for U.G courses as directed by the Government of West Bengal to introduce transparency in the admission process.

Almost sixty years have passed since the inception of the college- a period during which Trivenidevi Bhalotia College has grown into a large institution which occupies an important place in the Raniganj locality. It now has student strength of about 4546. The college continues in its commitment to provide quality higher education to the populations of Raniganj and the villages and coalfields surrounding it. The Alumni Association of the college bears evidence of this. Since Raniganj is well connected by road and railways and the college has a boys' hostel (the building of a girls' hostel is under process), students from distant places like Bankura, Bishnupur, Durgapur, Dhanbad, Suri etc enroll themselves in the various UG courses and PG course in Urdu offered by the college. Admission in the college is eagerly sought after by students not only because of the variety of courses offered but also because of the learned, competent and dedicated faculty of the college.

The Self Study Report is submitted in the prescribed format:

a) Preface
b) Executive Summary
c) Profile of the Institution
d) Criteria-wise analytical report
e) Inputs from each of the departments.

During the preparation of Self Study Report data were collected separately from individual departments and the college office. The co-operation and assistance received in the process are gratefully acknowledged.

Published by:

Principal
Trivenidevi Bhalotia College,
P.O. Raniganj, Dist. Burdwan
Pin – 713347
West Bengal

Prepared by

The guidance of Internal Quality Assurance Cell, Trivenidevi Bhalotia College, Raniganj.

EXECUTIVE SUMMARY

While presenting the *Self Study Report* in connection with the accreditation of T.D.B College, Raniganj, Burdwan, West Bengal in the first cycle, the college may be projected as a provider of quality higher education and productive human capital.

A summary of the performance of the college in terms of the seven criteria specified by NAAC is presented below:

Curricular Aspects

- The college has interactions with beneficiaries like local administrative bodies and others.
- The faculties of the college continuously contribute to the development of curriculum framed by the affiliating university.
- In keeping with the institution's objectives of advancement of job-oriented learning, seeking of affiliation to need based subjects like B.Ed, Biochemistry, journalism, etc is in our agenda what we are going to introduce shortly.
- Networking and interaction with beneficiaries like industry and university have to undertake.
- The College is committed to all-round development of students through academic flexibility, mobility, skill development, progression to higher studies and employability.
- Additional Skill-oriented Programmes relevant to regional and global employment Markets were conducted.
- Gender equality and Human Rights are preserved as per existing rules and regulations of the Government.
- The college has a Career and Counseling Cell for enhancing the awareness of students regarding various post-graduate career options and jobs.
- Lastly, the institution has a student feedback system.

Teaching Learning and evaluation

- The college has a very good status in higher education. Admission process is very transparent and it is based only on merit and quality of the students, subject to the reservation rules of the government.
- College is sensitive and caring to the differently abled students and backward students.
- Academic sessions, and student assessment are well planned and well organized through class tests, seminars, student-teacher interaction to ensure a healthy and growing atmosphere conducive to teaching and learning.

- An IQAC was formed which is working for the evaluation of teaching quality and promotion of faculties.
- College owns a well equipped library with 67,000 books on various disciplines.
- College-funded and UGC- funded conferences, workshops, seminars, field work, educational tours are arranged to develop advanced level of learning to enrich knowledge.
- Students are engaged in NSS and NCC, organized blood donation camps and various other activities along with their main courses to enrich their social awareness.
- Career counseling, in most subjects are arranged to enable a bright and suitable career for the students.
- A very good number (68) of well- qualified, dedicated full time Govt-appointed teaching staff along with 20 part-time teachers, 01 full time contractual, 21 management approved teachers and technical staff are always attentive and vigilant in their duties.
- There is a well structured students' feedback mechanism.

Research, Consultancy and Extension:

- The college has five faculty members who supervise 18 Ph.D scholars, under different universities.
- Research monitoring cell comprises five faculty members who continuously motivate and encourage the teachers, and post graduate students of Urdu department to engage themselves in research and project work.
- During the last four years three faculty members were engaged on minor research projects and all of which were funded by UGC.
- College has organized National/Departmental seminars during the period of last five years of which 2 were UGC- funded, and the rest were funded by the college.
- College does not have a well organized system for research work. Efforts need to be made in this direction to set up necessary infrastructure for prosecuting research.
- During this period 14 eminent personalities of different fields came to the college for delivering invited lectures.
- College provides leave of different kinds to faculty members to attend seminars and conferences and to prosecute research activities.
- Career Counseling Cell always participates in generating value added Human Resource by conducting the seminars, workshop etc.
- The college promotes extension activities and outreach programs by the NCC cadets and NSS volunteers.

Infrastructure and Learning Resources:

To ensure quality in education we have emphasized on developing infrastructure

- Significant budgetary allocation of the Institution for construction and maintenance of buildings and laboratories.
- Three storeyed building containing 30 class rooms for theoretical classes and 16 class rooms for practical classes.
- The laboratories of the college are well equipped.
- One annexure building for Urdu department.
- There are two gardens with Botanical importance.
- These are some common facilities available in the campus : Women's grievance cell, anti ragging cell, Health care, Canteen, Recreational spaces for staff and students, cold and purified drinking water facility, co-operative credit society for staff, boys' and girls' common rooms, open air stage for cultural activities.
- College Library ensures purchase and use of current titles, and other reading materials by spending a considerable amount of money. The college is now looking for to subscribe e- journals in the near future.
- New Central Library building has been set up with a sitting arrangement of 100 students at a time.
- Number of Library books is increasing continuously. Present number of Library books is 67,000.
- Process of automation of Library is under work in progress.
- There is significant budgetary allocation of the Institution for IT infrastructure.
- Numbers of computers are approximately 71 and LCD projectors are 7. Now present Computer and Student ratio is 1:64.
- Up-gradation of Computers with latest software versions and hardware configuration is in continuous process.
- Internet connectivity is present in all departments.
- There exist two playgrounds, one two storied boys' hostel with a capacity of 60 students, improved canteen and sanitary facility, one badminton court and one volley ball court.
- Proposal for construction of a girls' hostel is in the pipeline.

Student Support and Progression:

- Information is provided to students through college web-site, prospectus and notice boards in strategic positions thereby ensuring commitment and accountability.
- Different types of financial assistance are provided to the students by the college, State Govt and other agencies.
- Participation of students in extra-curricular and co-curricular activities is compulsion in the college.
- Success rates of our students at the University examination is on an average more than 60% in all programmes.
- Institution has a structured mechanism for career guidance of the students.
- Institution is sensitive to grievances and sexual harassment of students.
- The Institution possesses strong NCC and NSS units. Every year NCC cadets participate in National level activities.
- Wall magazine is regularly published by different departments.
- The Institution has a strong alumni association.

Governance, Leadership and Management:

- The mission of the Institution is to impart value-based result oriented education. The vision is to make the Institution a centre for job-oriented education and research.

- The management of the college is headed by the Governing Body under which there are several committees which work in tandem to design and implement the quality policies and plans, and ensure smooth running of the Institution. Teachers, non-teaching staff and students have representatives in the Governing Body and the various committees.

- The Principal implements the policies and the plans that are adopted by the Governing Body through meeting with different stakeholders.

- The college grooms leadership through granting of autonomy in respect of various aspects to the departments. Leadership among students is developed through activities of the Students' Union, NCC and NSS.

- The aspects considered for inclusion in the perspective plan include introduction of e-classrooms, separate departments for humanities and remedial classes for students lagging behind.

- Proposal for development of research include modernization of laboratories, accessing of e-journals.
- Industry interaction needs to be introduced with relevant departments.
- The Head of the institution gathers information to be presented to the Governing Body through interaction with students, students' feedback and recommendations of various committees.
- The college has yet to apply for autonomy.
- The college has a women's grievance cell and an Anti Ragging Cell.
- There were three court cases filled by ex-employees against the college.
- Teachers are always encouraged to participate in seminars, workshops, orientation programmes and refresher courses.
- Performance appraisal of the teachers is done through student feedback mechanism.
- Welfare schemes available for staff include General Provident Fund, Co-operative Credit Society, medical room and festival advances.
- The Institution invites eminent faculty for delivering lectures in seminars.
- Effective and efficient use of available financial resources is monitored by the Finance Committee.
- The Institution has an organised mechanism for carrying out internal and external audit.
- The IQAC of the college was established on 24/02/2014. It monitors the quality characteristics of the college with co-operation from all stakeholders.

Innovations and Best Practices

- TDB college has a large green campus with rich bio-diversity.
- Approximately 36% of the college campus is open space with 122 trees, 58 shrubs and 40 herbs.
- Several seminars in connection with best practices are organized by college authority. NSS volunteers actively participate in maintaining the environment- friendly atmosphere in the college. For uninterrupted power supply, two Kirlosker- made smokeless, noise-free green generators was installed in the campus.

- 'Briksho Ropon' utsab is regularly organized.
- Several innovative methods are adopted in the college for the purposes of best practice.
- Innovative practices include continuous evaluation system in the form of class tests, teaching through green board (dust free), participation in mock parliament, participation of students in annual cultural competitions, modern central library with internet (wi-fi facility), safe cold purified drinking water, awareness programmes regarding AIDS and HIV, malaria, dengue etc.

SELF-STUDY REPORT

Profile of the Affiliated /Constituent College

1. Name and Address of the College:

Name: TRIVENI DEVI BHALOTIA COLLEGE		
Address: P.O. RANIGANJ		
City: RANIGANJ	**Pin:** 713347	**State:** WEST BENGAL
Website:	www.tdbcollege.ac.in	

2. For communication:

Designation	Name	Telephone	Mobile	Fax	E-mail
Principal	Dr. ASISH KUMAR DEY	O: 0341-2444780 R: 0341-2282643	09434030121	0341-244780	drasishde@gmail.com, tdbcollegeraniganj@gmail.com
Vice-Principal	N.A.	O: R:			
Steering Committee Coordinator	Dr. PADMAJA PURKAYASTHA (PAL)	O: 0341-2444780	09475860920	0341-244780	padmaja.pal9@gmail.com

3. Status of the Institution:

Affiliated College [√]
Constituent College [ ]
Any other (specify) [ ]

4. Type of Institution:

a. By Gender
   i. For Men [ ]
   ii. For women [ ]
   iii. Co-educational [√]

b. By Shift
   i. Regular [ ]
   ii. Day & Morning [√]
   iii. Evening [ ]

5. Is it a recognized minority institution?

Yes	
No	√

If yes, specify the minority status (Religious/Linguistic/any other) and provide documentary evidence.

6. Sources of funding:

Government	
Grant-in-aid	√
Self-financing	
Any other	

7. Date of establishment of the college: 09/08/1957 (dd/mm/yyyy)

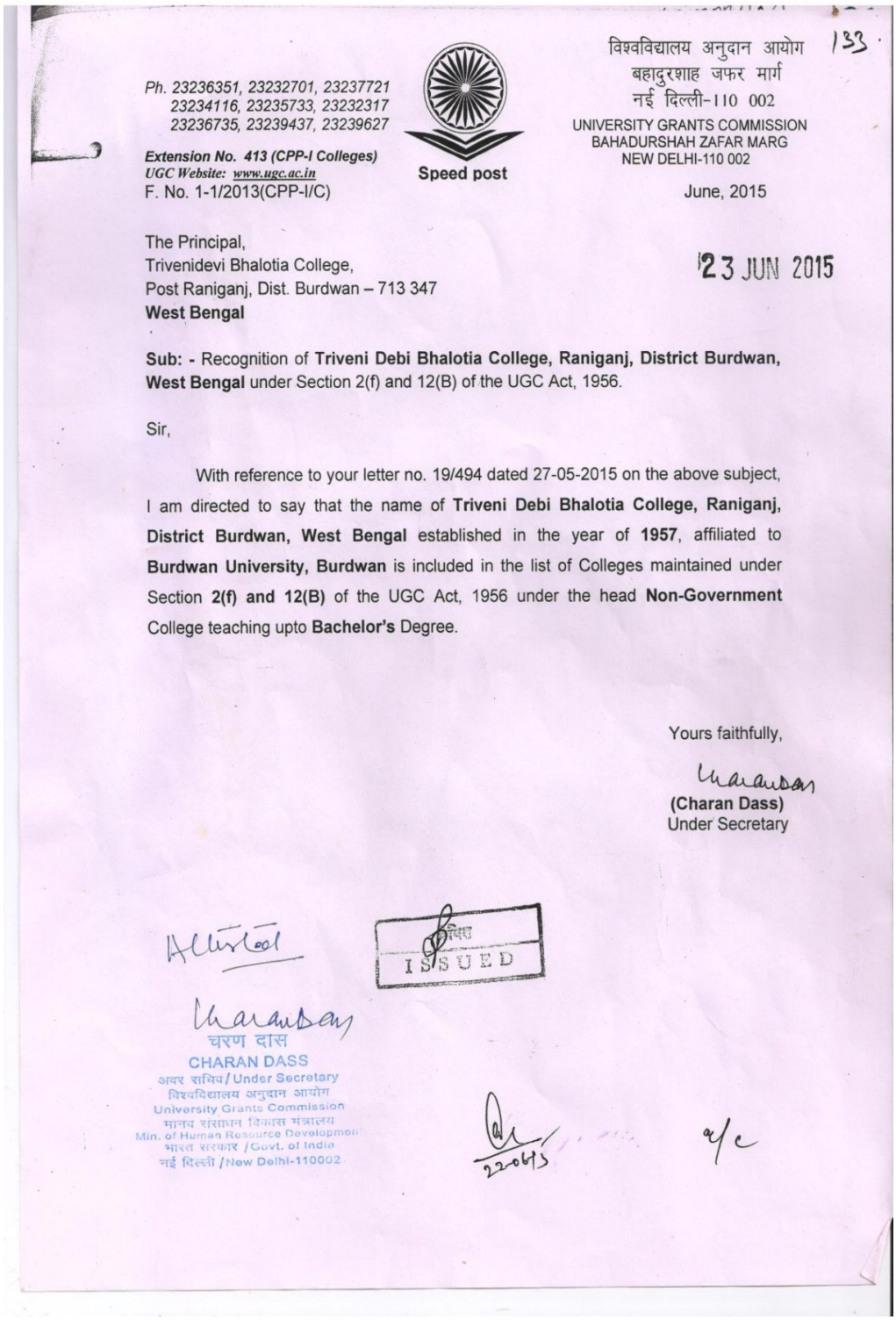
University to which the college is affiliated/or which governs the college (if it is a constituent college)

THE UNIVERSITY OF BURDWAN upto 23/06/2015 KAZI NAZRUL UNIVERSITY, ASANSOL form 24/06/2015

Details of UGC recognition:

Under Section	Date, Month & Year	Remarks
i. 2 (f)		Original misplaced. Letter of certification from UGC attached.
ii. 12 (B)`		Original misplaced. Letter of certification from UGC attached.

(Enclosed the certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act.)



Ph. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in

F. No. 1-1/2013(CPP-I/C)

Speed post

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

133

June, 2015

The Principal,
Trivenidevi Bhalotia College,
Post Raniganj, Dist. Burdwan – 713 347
West Bengal

23 JUN 2015

Sub: - Recognition of **Triveni Debi Bhalotia College, Raniganj, District Burdwan, West Bengal** under Section 2(f) and 12(B) of the UGC Act, 1956.

Sir,

With reference to your letter no. 19/494 dated 27-05-2015 on the above subject, I am directed to say that the name of **Triveni Debi Bhalotia College, Raniganj, District Burdwan, West Bengal** established in the year of **1957**, affiliated to **Burdwan University, Burdwan** is included in the list of Colleges maintained under Section **2(f) and 12(B)** of the UGC Act, 1956 under the head **Non-Government** College teaching upto **Bachelor's** Degree.

Yours faithfully,

Charandas
(Charan Dass)
Under Secretary

ISSUED

Charandas
चरण दास
CHARAN DASS
अवर सचिव / Under Secretary
विश्वविद्यालय अनुदान आयोग
University Grants Commission
मानव संसाधन विकास मंत्रालय
Min. of Human Resource Development
भारत सरकार / Govt. of India
नई दिल्ली / New Delhi-110002

22/6/15

a/c

Details of recognition/approval by statutory / regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.): NOT APPLICABLE.

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

Yes ☐ No ☑

9. Is the college recognized

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

Yes ☐ No ☑

b. For its performance by any other governmental agency?

Yes ☐ No ☑

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

Location	**Urban**
Campus area	37853.7672 sq.mts / 9.354 acres
Built up area	24207.87756 sq.mts

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 arrangement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium / seminar complex with infrastructural facilities
- Sports facilities
  - Play Grounds √
    (One football ground, one volley ball court and one cemented badminton court)
  - Swimming pool
  - Gymnasium

- Hostel
  - Boys' hostel √
    i. Number of Hostels: 1
    ii. Number of inmates: 60
    iii. Facilities (mention available facilities): common room with indoor games, television, volley ball court, small library (proposed), daily news paper.

- Girls' hostel
  i. Number of Hostels: 1 (proposed)
  ii. Number of inmates:
  iii. Facilities (mention available facilities
- Working womens' hostel: NIL
  iv. Number of Hostels:
  v. Number of inmates:
  vi. Facilities (mention available facilities

- Residential facilities for teaching and non-teaching staff (give numbers available – cadre wise)
  - Teachers' quarters : 39
  - Teachers' guest house : 12 rooms
  - Non-teaching staff quarters : 43
  - Non-teaching staff mess : 03 rooms.
- Cafeteria – College Canteen
- Health Centre – Medical room with visiting general physician
  First aid √, Inpatient, Outpatient, Emergency care facility, Ambulance.

  Health Centre Staff-

Qualified Doctor	Full time	□	Part time	□√
Qualified Nurse	Full time	□	Part time	□

- Facilities like banking, post office, book shops: A branch of Syndicate Bank is situated in college campus.
- Transport facilities to cater to the needs of the students and staff: NIL
- Animal house:
- Biological waste disposal:
- Generator or other facility for management/regulation of electricity and voltage: √
  There are two automatic generators of capacities 50 KV. and 30 KV.
- Solid waste management facility: √
  There is a compost pit in the garden for medicinal plants.
- Waste water management:
- Water harvesting:

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

Sl No.	Programme Level/ Name of the Programme		Name of the programme /course	Duration	Entry Qualification	Medium of instruction	Sanctioned /Approved Student strength*	No. of Students Admitted
1	Under Graduate	Bachelor of Arts	a. English (Hons.)	3 Yrs.	10 + 2	English	82	48
			b. Bengali (Hons.)			Bengali	82	60
			c. Hindi (Hons.)			Hindi	87	62
			d.Urdu (Hons.)			Urdu	82	17
			e. Sanskrit (Hons.)			Sanskrit / Bengali	45	22
			f. History (Hons.)			English / Bengali	82	35
			g. Political Science (Hons.)			English / Bengali	82	38
			h. Philosophy (Hons.)			English / Bengali	37	11
			i. Geography (Hons.)			English / Bengali	52	38
			j. Economics (Hons.)			English / Bengali	82 (Science + Arts)	01
			k. B.A. General			English / Bengali / Hindi / Urdu	1200	1043
2		Bachelor of Science	a. Physics (Hons.)	3 Yrs.	10 + 2	English / Bengali	45	25
			b. Chemisrty (Hons.)			English / Bengali	45	22
			c. Mathematics (Hons.)			English / Bengali	82	42
			d.Statistics (Hons.)			English	31	01
			e. Electronics (Hons.)			English / Bengali	31	02
			f. Geology (Hons.)			English / Bengali	45	21
			g. Economics (Hons.)			English / Bengali	82 (Science + Arts)	04
			h. Computer Science (Hons.)			English / Bengali	37	07
			i.Botany (Hons.)			English / Bengali	45	08
			j. Zoology (Hons.)			English / Bengali	45	21
			k. Physiology (Hons.)			English / Bengali	23	11
			l. B. Sc. General			English / Bengali	302	164
		Bachelor of	a. B. Com (Accountancy			English / Bengali	182 704	152

		Commerce	Hons) b. B. Com, General					
	Post Graduate	M.A.	Urdu			Urdu	36	36
	Integrated Programmes PG							
	Ph. D.							
	M.Phil							
	Certificate Courses							
	UG Diploma							
	PG Diploma							
	Any other (specify and provide details)							

13. Does the college offer self-financed programmes?

Yes □√ No □

If yes, how many? 01

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

Yes	√	No		Number	01

15. List of departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments	UG	PG	Research
Science	Physics, Chemistry, Mathematics, Botany, Zoology, Physiology, Geology, Electronics, Statistics, Computer Science,	√		

Faculty	Departments	UG	PG	Research
	Economics.			
Arts	Bengali, Hindi, Urdu, English, Sanskrit, History, Geography, Political Science, Philosophy, Economics.	√	√ (Urdu Only)	
Commerce	Commerce	√		
Any other (specify)	NIL			

16. Number of programmes offered under (Programme means a degree course like BA, BSc, MA, M Com...)

a. Annual system: [06]

b. semester system: [01]

c. trimester system: [NIL]

17. Number of programmes with

a. Choice based credit [√] system: M.A. in Urdu only.

b. Inter / Multidisciplinary [ ] Approach

c. Any other (specify and provide [√*] details)

* In all under graduate programmes students are awarded "I class / II class / Passed" on the basis of their aggregate marks.

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

Yes [ ]

No [√]

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

Yes [ ]

No [√]

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

Positions	Teaching faculty																Non-Teaching Staff		Technical Staff	
	Professor		Associate Professor		Assistant Professor		Laboratory Instructor (Associate Grade)		Librarian		part time teacher (PTT)		**Contractual Whole Time Teacher (CWTT)**		Graduate Laboratory Instructor					
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Sanctioned by the UGC /University / State Govt. *Recruited*	01	NIL	16	5	25	17	02	01	01	NIL	09	11	NIL	01	NIL	NIL	45	03	02	NIL
Yet to recruit	NIL		NIL		26		NIL		01		NIL		NIL		NIL		19		NIL	
Sanctioned by the Management / society or other authorized bodies *Recruited*	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	09	07	04	NIL	02	NIL	16	03	NIL	NIL
Yet to recruit	NIL		NIL		NIL		NIL		NIL		NIL		NIL		NIL		NIL		NIL	

21. Qualifications of the teaching staff:

Highest Qualification	**Professor**		**Associate Professor**		**Assistant Professor**		**Librarian**		**Graduate Lab. Instructor**		**Total**
	Male	**Female**	**Male**	**Female**	**Male**	**Female**	**Male**	**Female**	**Male**	**Female**	
Permanent Teachers											
D. Sc./D. Lit.	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Ph.D.	01	NIL	06	04	10	06	01	NIL	NA	NA	28
M.Phil.	NIL	NIL	03	NIL	03	02	NIL	NIL	NA	NA	08
P.G.	NIL	NIL	07	01	12	09	NIL	NIL	NA	NA	29
U. G.	NA	NA	NA	NA	NA	NA	NA	NA	02	01	03

Temporary Teachers

Highest Qualification	Management Approved Part Time Teacher		Management Approved Contractual Teacher		Graduate Laboratory Instructor		Total
	Male	Female	Male	Female	Male	Female	
Ph.D.	NIL	01	NIL	NIL	NIL	NIL	01
M.Phil.	01	NIL	NIL	NIL	NIL	NIL	01
P.G.	09	06	04	NIL	NIL	NIL	19
U. G.	NIL	NIL	NIL	NIL	02	NIL	02

Govt. Approved Part-time Teachers (PTT)				Govt. Approved Contractual Whole Time Teacher (CWTT)		
Highest Qualification	Male	Female	Total	Male	Female	Total

Ph.D.	02	NIL	02	NIL	NIL	NIL
M.Phil.	NIL	NIL	NIL	NIL	NIL	NIL
P.G.	07	11	18	NIL	01	01

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

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

Categories	2011 – 2012		2012 – 2013		2013- 2014		2014 - 2015	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	342	128	363	104	266	114	196	27
ST	84	35	85	18	49	17	34	04
OBC	45	15	100	54	175	96	54	26
General	805	662	864	695	663	529	946	608
Others	33	21	68	59	46	47	70	58

24. Details of students enrolled in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph. D.	Total
Students from the same state where the college is located	2023	36	NIL	NIL	2059
Students from the other state of India	NIL	NIL	NIL	NIL	NIL
NRI students	NIL	NIL	NIL	NIL	NIL
Foreign students	NIL	NIL	NIL	NIL	NIL
Total					

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

UG * 15.30%

PG 05.42 %

* Many enrolled students could not appear in the final examinations as they failed in the General Papers in their previous examinations.

26. Unit Cost of Education

(Unit Cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component Rs. 15183.73

(a) excluding the salary component Rs. 700.06

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

Yes ☐

No ☑

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

Sl No.	Name of the programme/course			No. of Teaching Staff	No. of Students	Teacher Student Ratio
1	Under Graduate	Bachelor of Arts	a. English (Hons.)	05	139	1:28
			b. Bengali (Hons.)	07	170	1:24
			c. Hindi (Hons.)	06	163	1:10
			d.Urdu (Hons.)	07	45	1:07
			e. Sanskrit (Hons.)	04	80	1:20
			f. History (Hons.)	04	113	1:28
			g. Political Science (Hons.)	04	95	1:24
			h. Philosophy (Hons.)	05	30	1:06
			i.Geography (Hons.)	06	123	1:21
			j. Economics (Hons.)	05	01	*

Sl No.	Name of the programme/course			No. of Teaching Staff	No. of Students	Teacher Student Ratio
		Bachelor of Science	a. Physics (Hons.)	05	58	1:12
			b. Chemistry (Hons.)	09	60	1:07
2			c. Mathematics	05	111	1:23
			d. Statistics (Hons.)	05	05	1:01
			e. Electronics (Hons.)	03	08	1:03
			f. Geology (Hons.)	03	66	1:22
			g. Economics (Hons.)	05	24	1:05
			h. Computer Science (Hons.)	03	21	1:02
			i.Botany (Hons.)	06	30	1:05
			j. Zoology (Hons.)	07	56	1:08
			k. Physiology (Hons.)	04	11	1:03
		Bachelor of Commerce	a. B. Com (Accountancy Hons) b. B. Com. General	07	Hons-395	Hons-1:57
	Post Graduate	Master of Arts	Urdu	07	55	1:08

*Teacher student ratio for Economics computed for B.A and B.Sc together.

29. Is the college applying for

Accreditation:

Cycle 1 [√]

Cycle 2 [ ]

Cycle 3 [ ]

Cycle 4 [ ]

Re- assessment: [ ]

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3 and Cycle 4 and re-assessment only): NOT APPLICABLE

31. Number of working days during the last academic year: 230.

32. Number of teaching days during the last academic year: 165

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

IQAC: 24/02/2014

34. Date of establishment of Annual Quality Assurance Report (AQAR) to NAAC.

AQAR (i) ..... (dd/mm/yyyy).

AQAR (ii) ..... (dd/mm/yyyy).

AQAR (iii) ..... (dd/mm/yyyy).

AQAR (iv) ..... (dd/mm/yyyy)

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

Criteria-wise Inputs

CRITERION I: CURRICULAR ASPECTS

1.1. Curriculum Planning and Implementation:

1.1.1. Vision of The College

T.D.B. College , Raniganj is a reputed, well known and one of the largest colleges in West Bengal. It is situated in the Asansol subdivision of Burdwan district in the Asansol-Durgapur industrial belt. As it is located in the heart of the industrial belt, this college has the additional responsibility of holding the torch of enlightenment to the mining and urban/ industrial people of this region. Our college has strong faith in the Upanishadic ethos: "Shantam Shivam Adwaitam". By dint of this ethos our learners can achieve the goal as well as perfection in every sphere of life.

Mission:

The objective of the college is to make itself a centre of excellence of higher education. Therefore, an endeavour is made to help the students to become skilled, self-confident, self-reliant and well equipped to adjust in this era of globalisation. Special attention is given to create an indomitable spirit among the students and inculcate in them a sense of social responsibility through community development activity.

The students, teachers and non-teaching staff play their roles most sincerely to uphold the education system and its values. Their devotion and dedication are highly appreciable. Students interested in co-curricular activities are always encouraged. The staff do their duties sincerely with belief in the saying "Work is Worship''. Sense of equality, friendly atmosphere and liberty to do rational work in all the academic and administrative functions are upheld in the college

The staff and students are fully aware of the responsibility of providing services to society as a whole. For this, they have to consult and interact with all types of stake-holders, both in and outside the college. The approach in this regard is most friendly and acceptable to all. Transparency, honesty of purpose and sincerity constitute the mission of this institution.

1.1.2. Institutional development and deployment of action plan for effective implementation of the curriculum:

Before the beginning of every academic session, a meeting of the Teachers' Council is convened by the Principal in order to discuss various topics related to admission. After that the essential principles are resolved in the meeting of the academic sub-committee. These resolutions are notified in the notice boards and are circulated among the students, the teachers and the others concerned. The departmental coordinators, teacher representatives of the Governing body, secretary and assistant secretary of the Teachers' Council , general secretary of the students' union and coordinator of IQAC are the members of the Academic Sub-committee. The meetings of the Sub-committee are convened by the

Principal of the College. Extensive discussions are held on the process of implementation of the curriculum as formed by the university and approved by the State Government from time to time. The meeting also considers the convenience and feasibility of deployment of the curriculum in each department. Every department prepares routine following the Master-routine of the College so that the curriculum is properly distributed without hindering the interest of any student or teacher.

1.1.3. Support from the university and institution for effectively translating the curriculum and improving teaching practice support from the university

The college was affiliated to the The University of Burdwan upto 23rd June 2015, after which it has become affiliated to the Kazi Nazrul University, Asansol. The syllabus and curriculum framed by the Boards of Studies , The University of Burdwan are being followed by the college. Many teachers from affiliated colleges are members of the Undergraduate Boards of Studies of the affiliating University. They participate in framing of the syllabi. As there is scarcity of teaching and non-teaching staff, the institution tries to fill up this lacuna by providing management approved part time teachers and management approved Contractual teachers/staff. This college always tries to provide modern and updated instruments, and other teaching aids. Educational tours and field excursions organized by the various departments are encouraged with sponsorship from the college. The departments are always encouraged to organize seminars, group discussions, cultural programmes, conferences etc. The teachers take part in UGC sponsored refresher courses, orientation programmes, workshops, seminars to improve their teaching skill and to make themselves updated. These endeavours of the teachers are always given priority by the college authority.

1.1.4. Institutional contribution to effective curriculum delivery and transaction

T.D.B. college is a government sponsored institution and is directly under the Director of Public Instruction (DPI), Govt. of West Bengal. The college is affiliated to the University of Burdwan / Kazi Nazrul University. The UGC is the statutory authority to regulate all other norms. In case of internal matters, the college Governing Body (GB) is the supreme authority.

Every year, UGC sanctions some grants to procure laboratory instruments, library books, computers and other apparatus for development of the curriculum. The college always tries to run with basic ethos of delivering sustainable education to the students with the available infrastructure in coordination with the UGC, Universities, DPI and GB.

1.1.5. Networking and interaction with beneficiaries like industry and university

T.D.B. College, being located in the heart of the coal belt in West Bengal, has to undertake various programmes involving Municipal Corporation, media, local administrative bodies, various other organizations and research bodies. Raniganj Sports Association cooperates with the college games department in conducting games and sports in our college. The association also gives training to our students for better performance at the university and state level competitions. The NCC unit of the college motivates cadets to spread the notion of national solidarity and discipline. Local bustee areas are immensely benefitted by NSS volunteers of the college each year. The volunteers also take necessary steps to clean the campus from time to time. Senior teachers of various departments of the college help The School Service Commission, West Bengal, in examining answer scripts each year, and they also take part in the viva test of the Commission. Senior teachers also act as external subject experts in the selection board for appointment of teachers in the neighboring schools and colleges.

The Tata Consultancy Services (TCS), in collaboration with the ministry of Youth Affairs of the Government of West Bengal together with the NSS unit of the college conducted a 10 days employability training programme for grooming of students (total participants 182, male 93, female 89) in February 2015. After a written test and interview, 6 students (2 boys and 4 girls) of IIIrd year of the college were selected by TCS.

1.1.6. Contribution of the institution and staff to the development of curriculum by the university

T.D.B. College is now one of the biggest colleges in West Bengal. The college has now 21 departments with honours courses in arts, science and commerce. The college has great reputation from the very beginning as one of the best affiliated colleges under The University of Burdwan. Almost all the full time teachers of the college serve the universities (both BU and KNU) under various capacities as paper-setters, moderators and examiners. Senior teachers of various departments serve the universities as chairpersons in UG papers and members in boards of studies. The college has to follow the syllabus provided by the concerned board of studies of the universities. Faculty members of the college in various departments are nominated by the university to the syllabus committee. They render great service in making the curriculum need-based and job-oriented. Many teachers of the college serve as part-time teachers at the PG level of various neighbouring universities. Besides these, many teachers provide their services in case of supplying study material and taking part in the job oriented teaching programmes in Department of Distance Education, BU.

The students are asked to submit their feedbacks each year after the completion of their course of study. They evaluate the effectiveness of the curriculum by

assigning grades. The input so obtained are carefully analysed and interpreted for sustainable and all-round development.

1.1.7. Development of curriculum of courses offered (other than those under the purview of the affiliating universities)

All the courses offered (honours and general as well as P.G. in Urdu) are directly under the affiliation of the University of Burdwan and KNU. Other than these, the college provides space to the Institute of Computer Engineers, India, to run some certificate courses in computer science for the benefit of students.

1.1.8. Institutional analysis to ensure the achievement of stated objectives of curriculum in the course of implementation

Class routines are distributed among the students and teachers at the very beginning of the academic session. Each and every department prepares academic programme through departmental meetings which enable students achieve objectives of curriculum. T.D.B. College has been maintaining a high standard of academic quality over a long period. Students of various departments are awarded gold medals from the university which indicates successful achievements of the stated objectives of the curriculum. The college aims at maintaining quality in-spite of the load of huge number of students. The graduating students learn to face the competitive world with academic excellence and strong determination.

1.2. Academic flexibility

1.2.1. Details of the certificate/diploma/skill development courses offered by the institution.

T.D.B. College is committed to ensure all-round development of students. In this regard the college has given permission and provided space to the Institute of Computer Engineers to conduct some certificate courses in computer application. Both in-house and external students are benefitted by these courses.

In near future, for all-round development of career, following job oriented courses will be introduced under the supervision of the career counseling cell of the college and some departments.

	Course	To be conducted by	Beneficiaries
1.	Coaching for NET/SET exams	career counseling cell	In-house and external students
2.	Coaching for School Service Commission	career counseling cell	3rd year in-house and outgoing students
3.	Soil testing training	Geography department	Local cultivators

1.2.2. Programmes that facilitate twinning /dual degree

NA

1.2.3. Academic flexibility, mobility, skill development, progression to higher studies and employability.

With reference to academic flexibility, our college provides sufficient choices to the students for taking different combination subjects in U.G. general and honours courses. However, interdisciplinary courses have not been introduced. The target is to introduce interdisciplinary subjects like biochemistry, B.Ed., post graduate courses etc. in near future for academic mobility.

1.2.4. Admission to self-financed programmes

Though the computer science (honours and general) courses were initially started as self-financing programmes, consideration of the weak financial conditions of a large number of people in this locality led the college to decide to bear the financial liability of the computer science department partially. So, the computer science department is no longer self-financed. Admission procedure is similar to other subjects. The course fee is not very high because the college infrastructure is fully utilized.

1.2.5. Additional Skill-oriented Programmes, Relevant to regional and global employment Markets.

The Tata Consultancy Services in collaboration with the Ministry of Youth Affairs, Govt. of West Bengal together with the NSS unit of the college conducted an employability training programme from 24th February to 6th March 2015. Total participants were 182 3rd year students.

1.2.6. Flexibility of combining the conventional face to face and distance mode of education for students to choose courses/ combination of their choice.

NA

1.3. Curriculum enrichment

1.3.1. Efforts of the institution to supplement the university's curriculum to ensure that academic programme and institution's goals and objectives are integrated.

The goal of the institution as mentioned earlier is to ensure the holistic development of the students. The following steps are taken are taken in this direction.

1. In addition to following the university curriculum, faculty members use tools like departmental student seminar, student projects etc. to judge and enhance the performance of the students. Continuous assessment of the students is a regular practice.

2. The teachers help the students who are lagging behind.

3. The College has a career and counseling cell which organizes seminars to apprise students of career opportunities. It has also organized grooming sessions for students.

1.3.2. Efforts made by the institutions to modify, enrich and organize the curriculum to reflect the students' experience and to cater to the needs of the dynamic employment market.

The curriculum framed by the university is enriched through techniques like group discussions, debate, project works and extensive field studies. Teachers help students to approach the curriculum from the point of view of practical realities. Students are encouraged to develop the habit of regular class attendance, attending library regularly, making themselves up to date through exposure to website. The students of geography department, for example perform survey work in rural mauja to study the lifestyle, food habit, nutrition related problems etc of rural community and suggest remedial measures to overcome the problems. This proves an immense help to the local government/ non-government organization to take necessary steps to alleviate the problems. The physiology department of the college organizes camp work to measure blood pressure, determine blood group, carry out blood test of the surrounding community which help the students to gain experience in such profession. In this way the students can make themselves knowledgeable about their aptitudes as well as needs of the employment market. They can then follow up by doing appropriate job oriented courses.

1.3.3. Institutional effort for integration of gender, climatic change, environmental education, Human Rights, ICT etc into the curriculum.

Our college runs with best efforts from all concerned to ensure gender equality and human rights. The college gives priority to merit in case of admission and no discrepancy is allowed. Human rights of economically challenged groups and backward sections of the society are preserved as per the existing rules and regulations of the Government. Environment studies are mandatory in UG curriculum. A large lush green campus is preserved with great care from all concerned. The NSS volunteers are constantly cleaning and maintaining it as a 'green and clean campus'. Every year tree plantation is organized by the college NSS wing. Students are reminded of their responsibility to keep the campus clean. These practices have thus become part of overall awareness of the students. The institution is trying hard to adopt ICT as an integral part of delivery of lectures and information in the classrooms and seminars. All laboratory-based departments

are provided with computers and internet facilities. Many teachers use audio-visual techniques for delivering lectures. Digitization of library is in process

1.3.4. Value-added courses/ enrichment programmes offered to ensure holistic development of students.

No value-added programme has been introduced so far. It is intended to conduct grooming session to train students to face interview for jobs.

1.3.5. Use of feedback from stake-holders in enriching the curriculum.

Feedback of students about old library which was rather congested and had no open access resulted in building of the spacious new library. The necessity for a cycle/bike stand has been taken into consideration.

1.3.6. Institutional monitoring and evaluating quality of enrichment programmes.

The college has a Career and Counseling Cell which organizes seminars and workshops that apprise students about various career options. There is no formal mechanism to monitor and evaluate the quality of the enrichment programme. The response of the students is indicative of the usefulness of the programme. Some successful members of the neighbouring community occassionally shares their experiences and enhances the awareness of students regarding various post-graduate carreer options and jobs.

1.4. Feedback System

1.4.1 Contributions of the Institution in the design and development of the curriculum prepared by the University:

Many senior teachers of the Institution are active members of the Boards of Studies of different subjects in the affiliating Universities who actively participate in the formation and restructuring of the curriculum.

1.4.2 Formal mechanism for obtaining feedback from the students and stake holders and how they are used for curriculum enrichment internally and communication with the University regarding this:

The outgoing students of 3rd year are made to fill up a Feed-back report regarding teaching quality and curriculum. The Institution tries its best to take their suggestions into cognizance, but they are not communicated to the University.

1.4.3 New programmes introduce by the Institution during the last four years and the reason for its induction:

In the last four years the Institution has introduced P.G. Course in Urdu due to local demand which is a cause of great encouragement to the minority community of the local and surrounding area.

CRITERION – II: TEACHING - LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 Ensuring publicity and transparency in the Admission process:

Publicity:

T.D.B College has a very good reputation in the field of higher education. With a wide range of courses being offered by the college, a very good publicity is ensured in a planned manner. A public notice is displayed on the college notice board as well as in the college website just after the Higher Secondary (+2) results. The notification contains detailed information regarding the number of courses, admission rule, intake capacity, admission fees, eligibility, reservation policy according to government norms, date of submission of application and all the relevant information. In addition to this the college authority and faculty always encourage and motivate the students who show eagerness to join our college.

Transparency:

Admission is done strictly on the basis of merit. There is no option of management quota. The college has a transparent admission committee headed by the Principal. Teachers' Council Secretary, coordinators of all the departments, the members of the Governing Body of the college and the general secretary of students' union are the members of this committe. The committee plays an important role in framing the rules of the admission in consistence with the affiliating University rules. Merit list is prepared on the basis of the marks acquired in the H.S. Examinations for the candidates aspiring for Honours courses. The shortlisted names of the candidate are displayed on the notice board and also in the college website. A Counseling Committee headed by the faculties from various departments counsel students and do the necessary steps such as verification of identity and original mark-sheets to ensure equity and social justice through transparency. After counseling of the first phase is over, the college reviews the situation and if there is any vacancy, the next phase of admission is done from the merit list which is based on fresh applications from already admitted students. Admission fees are collected through the banking system. This whole procedure is completed within the pre-announced final date of admission to ensure equality and transparency in the admission system. Online admission system has been initiated from 2015 to introduce greater transparency in the admission process.

2.1.2 Criteria adopted and process of admission:

(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.

The college runs UG courses for Honours and General courses in Arts, Science and Commerce subjects. Students are selected on the basis of merit i.e. marks obtained in the last board examination. As per university norms students who secure minimum 45% marks in aggregate in H.S level may apply for Honours course. However, the college admission committee fixes the minimum criterion marks for each Honours subject. Merit list is prepared on the basis of 1 language and 3 elective subjects (excluding ENVS).

The subject-wise criteria are different. These are listed below.

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

Table 2.1: Minimum % of marks at entry level.

Subject	Criterion
Bengali, English, Hindi, Sanskrit, Geography	Minimum 50% marks in the subject
History, Political Science, Philosophy,	Minimum 45% marks in the subject
Urdu	Pass marks in the subject
Accountancy	Minimum 50% marks in the subject or Mathematics
Economics	Pass mark in Mathematics or Business Mathematics
Physics, Chemsitry	Minimum 50% marks in the subject & pass marks in Mathematics
Zoology, Botany, Physiology	Minimum 45% marks in Biology
Statistics	Minimum 45% marks in Mathematics or Statistics

Subject	Criterion
Computer Science	Minimum 45% marks in the subject or Mathematics
Geology, Electronics	Minimum 45% marks in the Mathematics

Each subject offered for Honours courses has a scheduled minimum marks for admission. As our college follows the Counseling System for admission, there is no maximum marks for entry level. Comparative study with other colleges was not possible.

Table for minimum percentage of marks at entry level:-

2.1.4 Mechanism to review the admission process and student profile:

The college adopted online admission process in 2015.The college always maintained strictly merit base admission and followed Government reservation policy.

The activities of students are closely monitored. A record of their performance in all the fields, academic as well as extra-curricular is maintained. The students with a little bit of negative approach or disturbing attitude are motivated with counseling so that a positive frame of mind can be developed. It helps in developing the students into assets for the institution as well as for the nation. As a result of this process, during the last five years, the college has observed a sharp rise in maintaining the discipline of the students. They have learnt to channelize their energy and their potentials into more constructive activities.

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

- SC/ST
- OBC
- Women
- Differently-able
- Economically weaker sections
- Minority community
- Any other

a. Students from SC/ST/OBC Community:

Students from SC/ST and other backward classes are allotted seats as per policy of the Government. Exemption of fees and other endowment benefits are also extended to a few of them. The college makes tireless efforts to create awareness on the importance of higher studies i.e. education as a means of socio-economic change and a means of empowerment. Regulation of UGC and the policy of Constitutionally Guaranteed Merit-cum-Reservation at the time of admission are strictly adhered to. The college makes sure that an awareness and orientation on the financial and academic facilities, incentives to the marginalized students are categorically framed. At present the reservation quota is as follows:

SC: 22%, ST: 6%, PH : 3%,OBC-A:3 %, OBC-B:7% (For the Session 2015 – 2016)

Reservation is ensured at UG and PG levels of admission. Efforts are made to induct them in NSS and NCC.

b. Women:

For women, there is no reservation for admission but the female candidates are provided with equal opportunity. The college provides counseling to the needy parents of women students thereby lauding stress on the importance of women education, exclusive facilities available for women, financial incentives and security as well as protection is provided. Free books and other incentives are provided to the female students by different departmental teachers.

c. Differently-abled:

There is reservation for students belonging to differently abled categories as per UGC notifications. Special attention is given to their requirements and needs. The college has made ramps in front of the Canteen, Administrative office, Library and toilets to facilitate the movements differently-abled students.

d. Economically Weaker Sections of the Society:

There is a special facility for students belonging to economically weaker sections of the society. They are financially facilitated at the discretion of the Principal. They are also given benefits like fee concession, free books and remedial coaching etc.

e. Minority:

The college under the direction from the Central Government, State

Government and its affiliating university offers every possible help to the students belonging to the minority community. College helps the minority students in all aspects. The college boasts of a separate annex for the Department of Urdu, where Urdu is taught at both UG and PG levels.

2.1.6. Following details are provided 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.

Programme	No of Students 2011-12		No of Students 2012-13		No of Students 2013-14		No of Students 2014-15	
	Intake Capcity	Registered Students	Intake Capcity	Registered Students	Intake Capcity	Registered Students	Intake Capcity	Registered Students
Undergraduate (Honours)								
Bengali	55	53	55	55	55	53	74	60
Hindi	55	43	55	55	55	43	81	55
English	55	54	55	55	55	53	74	48
Polsc	55	45	55	51	55	37	55	15
Sanskrit	30	29	30	28	30	26	41	33
Philosophy	20	20	20	20	20	12	22	14
Geography	35	35	35	35	30	30	47	43
Urdu	55	18	55	19	55	10	74	13
History	55	52	55	55	55	36	74	36
Economics	55	39	55	26	55	09	74	09
Botany	30	25	30	22	30	15	30	14
Chemistry	35	33	35	27	35	23	41	26
Physics	35	31	35	29	35	21	41	33
Math	55	53	55	43	55	52	74	49
Electronics	20	01	20	02	20	05	20	05
Statistics	20	11	20	02	20	04	22	04
Physiology	20	20	20	20	20	20	22	12
Comp Sc	15	08	15	01	15	10	34	07
Zoology	30	30	30	26	30	24	41	32
Geology	30	17	30	22	30	24	41	30
Accountancy	140	140	160	160	160	125	182	130
NSS*	200	197	200	199	200	200	200	198
NCC*	160	158	160	150	160	155	160	160

Programme	No of Students 2011-12		No of Students 2012-13		No of Students 2013-14		No of Students 2014-15	
	Intake Capcity	Registered Students	Intake Capcity	Registered Students	Intake Capcity	Registered Students	Intake Capcity	Registered Students
Undergraduate (Honours)								
Career Counseling*								
ENVS**								
Educational Tour	Botany, Geography, Geology Zoology all 3 rd year students							

*Students of both Honours and General courses included.

**Compulsory for all 3rd year students of all stream.

In some departments like electronics, economics, statistics the number registered students are decreasing. In electronics Hons there is no scope for post graduate study in our university. In Economics Hons there is little scope for job prospect in our state. In statistics Hons we hardly get students having motivation in this subject. College authority is earnestly trying to overcome this situation by consulting university level authority and other govt and non-govt sectors.

2.2 Catering to Student Diversity

2.2.1 The needs of differently-abled students and ensuring adherence to government policies:

The college always takes due care of the needs of differently-abled students whenever they come across the notice of the administration. Policy laid down in the governing body of the college is fully complying with the prevailing educational policy of the Government of West Bengal. The following opportunities are available for those students:

1. Reservation of seats at the time of admission in all disciplines is strictly maintained as per Government norm. The admission process is highly transparent and there is no discrimination.
2. College Library is on the ground floor.
3. College allows writers for students with functional and visual difficulty in the Examination Hall by taking permission from university authority. Moreover, the college has made some special arrangement for students with transmitable diseases to meet their College have made some special arrangement for the students with transmitted diseases to meet their

requirement.

4. Special counseling/Lecture sessions are occasionally arranged for those differently-abled students. Teachers always take special initiative to encourage such students so that there is no disparity in their educational/performance. Special classes are arranged for slow learners so that they may maintain parity with the general class.

5. Provision of allowing extra time during examinations as per University norm is also meticulously adhered to.

2.2.2 Assessment of the students' needs in terms of knowledge and skills before the commencement of the programme: A detailed summary

The College has a proper assessment system to cater to the needs of students in terms of knowledge and skills before admission to any honours course. College education is the turning point for a student aspiring for higher studies. The Institution has its own machinery and with the instruction of the head of the institution, the approved authority which is entitled to assess the students' needs in terms of knowledge and skills usually gears up the machinery at the time of admission. The College mainly assesses a student on the basis of his previous results and records. University circulates guidelines to the affiliated colleges for the admission to different courses. Apart from these, academic sub-committee of the college, a body constructed by the Governing Body frames few more stringent rules to get a core subject in a certain course.

The academic sub-committee attempts to emphasize the following for assessment during the admission:

- Academic and Co-curricular Records.
- Intention and interest in subjects.
- Specific aim in life.
- Social and Economic Background.

Teachers in every department initiate post-admission counseling to the students informing about the course, duration, academic rules and regulations, as also future prospects of the subject. The knowledge, skills, expectation and interest of the students relating to the subject in which they have been enrolled are assessed by the concerned within the first few classes. Administration puts forward a notice of subject change and with

the advice of the teacher; enrolled students take privilege of the notice and switch over to the subject according to their knowledge and skills.

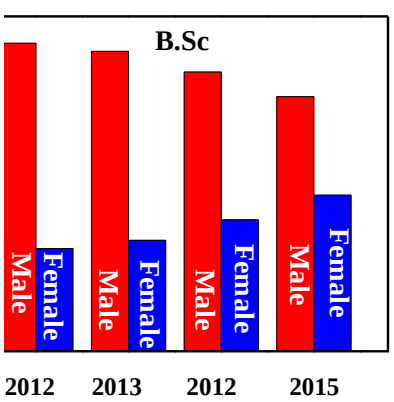
To cope up with the opportunities of getting jobs and higher studies, the college also has a career guidance cell for counseling the students. Apart from these, most of the departments organize seminars and career counseling workshops on higher studies and discuss in detail the various job opportunities that the relevant subjects can provide.

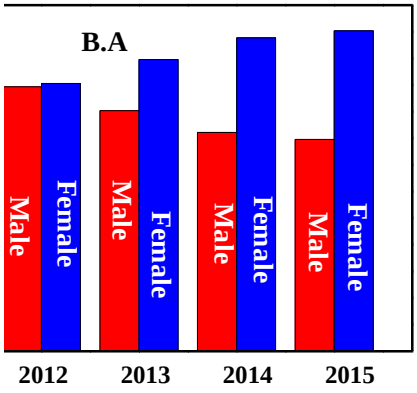
2.2.3 Strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice:

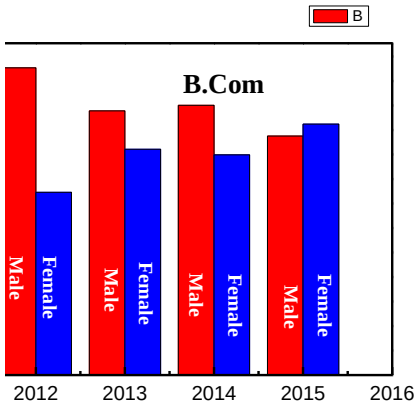
The College is situated near the border of Bankura district of the State of West Bengal. Most of the students are from remote areas of rural Bankura as also remote coal-mining areas with poor communicative skills who are economically backward and less competent in their major subjects. Elaborate discussions on a topic, clarification of subject matters, notes and suggestions transform those reserved students into good students. Moreover, many departments set introductory classes for some students with no sound knowledge in the subject. College teaching staff are easily accessible for the students at any time during the college hours. College has no arrangement for Bridge/Add on/Enrichment courses etc. in its curriculum.

2.2.4 Sensitizing the College staff and students on issues such as gender, inclusion, environment etc.

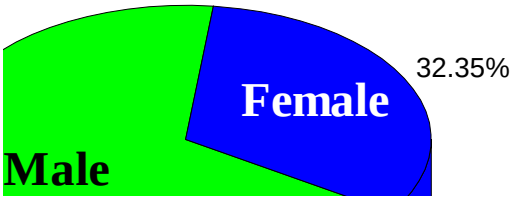
T.D.B. College is a co-educational institution having multidisciplinary course structure in arts, commerce and science. Since inception, the college has a rich heritage on pedagogy. Taking into account the socio-economic background of the students, teachers of the college always impart their education by conglomeration of moral, ethical, environmental and social education along with the deeper understanding of the subjects. Different wings of the college organize awareness programmes on environmental issues, biodiversity etc. We need not take special effort to sensitize gender balance among students and staff because over the years female students have been admitted in quite a good number in the college.







In case of teaching staff gender wise distribution is given below.



The safety and freedom of the girl students of the college are ensured. Apart from the college activity, two NSS units (one for boys and the other for girls) of the college organize various programs like celebration of Independence Day, Republic Day etc. in their diverse capacity. In several NSS camps and NCC programs, student volunteers, non-teaching staff and teaching staff avail the opportunity of working together for the people of adjoining areas of the college. In those programs the college cater to the needs of the under-privileged section of the society by way of making awareness among them. The students as also the underprivileged people of the adjoining areas are taught the importance of cleanliness and sanitation as also the need for planting trees to improve the ecological balance. Respective NSS officers forward their directives regarding road safety. Celebration of "Yuva Diwas", Tree Plantation programmes, Thalassemia and AIDS Awareness programmes, 'Banomohaotsab' week etc. are carried out by the student volunteers along with the other students of the college and they perform all this wholeheartedly in a planned and effective manner.

A detailed list of the NSS and NCC activities are:

NSS/ NCC The College promotes institution neighborhood community network and student engagement through the National Service Scheme (NSS) and National Cadet Corps (NCC). This is done through various programs which are stated below:

(1). National Service Scheme (NSS)

Activities:

- Workshops and Seminars conducted at the adopted village (wards 36 and 88 of Asansol Municipal Corporation) on environmental pollution, blood donation utility, anti-superstition and human rights.
- Orientation courses conducted for NSS volunteers about NSS and its objectives.
- Campus work for the benefit of the College like Laying of Garden, Cleaning Parthenium Plants, Plantation of Trees, Development of Playground, Cleaning of College Campus, etc.

- Seminars on the Global Worming, Water Harvesting, Importance of safe drinking water Awareness about Parthenium Plants, Blood Groups, HIV & AIDS.
- Arranged procession against Smoking and Pollution.
- Arranged "Swachha Bharat Abhiyan" and made procession for campaign.
- Special camp held from 7th -13th January, 2012 at Manasatala, Bauripara, Slum areas of Raniganj. Seminars, Workshops and Street Plays organised on different topics like awareness of Health Drug Abuse, Environmental Pollution, etc.
- Two girls and three boys participated round the clock in an Inter College Camp organised by Durgapur Government College from 7th-13th January, 2012.
- Participated and performed in the state level award giving ceremony of NSS at Ramakrishna Mission Golpark, Kolkata on 14.05.2015
- A Thalasaemia awareness programme was celebrated on 28.11.2014
- A blood donation camp was organized on 18.03.2015. Total 96 candidates donated their blood.
- A 10 day employability training programme in collaboration with TCS from 24.02.2015 in collaboration with TCS.
- Four boys and Four girls with two programme officer participated in Dist level NSS special camp2015-6 on 20.04.2015 to 24.04.2015 at M.U.C Women's College. B.U.
- On 22.08.2014 NSS celebrated anti superstition day in collaboration with N.G.O.
- Lecture delivered on personality development of students during NSS week.
- Celebration of Days:
  i. Independence Day, 15th August
  ii. NSS Day , 24th September
  iii. World AIDS Day
  iv. National Youth Day, 12th january
  v. Republic Day, 26th Janury
  vi. International Women's Day

(2). National Cadet Corps (NCC)

Activities:

- Parade is conducted in the college playground every Sunday.
- Cadets serve as volunteers during any cultural programme and annual sports of the college.
- Participate in social activities like blood donation, tree plantation, medical aid camps, etc. The above activities promote courage strength, duty and discipline.

2.2.5. Identification and response of the Institution to special Educational /learning needs of advanced learners?

Group discussions are held in the respective departments, regular syllabus based class tests are held to monitor the merit and improvement level of the students. Special Students- Seminars are held in Honours subjects to inspire the advanced learners. Departmental exhibitions are held during the annual celebration week where the academic and practical prowess of the stuednts is showcased.

2.2.6. Collection, analysis and use of the data and information on the academic performance (through the program duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?

The College has adopted following steps to collect data on academic performance:

a) Collection of academic record from admission file

c) Percentage of attendance in the theoretical & practical class

d) Marks scored in class test .

e) Response, interaction and active participation in the theoretical & practical class

f) Students' behaviour and attitude inside the campus

g) Involvement in co-curricular activities

h) Observing the participation of students in different cultural program organized in the college campus.

i) Backward and shy students are encouraged to participate and show their latent talents.

2.3 Teaching-Learning Process

2.3.1 Planning and Organizing the teaching, learning and evaluation schedules. (Academic calendar, teaching plan, evaluation blue print, etc.) Academic calendar:

At the beginning of each academic session the college prepares the academic calendar based on the calendar of the affiliating university. Since the college was affiliated to Burdwan University the syllabus was primarily framed by the university. From 24th June, 2015 the college has come under the affiliation of Kazi Nazrul University, Asansol and therefore the 1st year curriculum has been prepared by the said University.

The whole academic session of 12 months starting from July to June is sub- divided into three terms:

1st term begins from July and continues up to Puja vacation ;

2nd term commences after Puja vacation and continues up to winter recess.

3rd term from 1st January to April after which the University evaluation process commences.

- **Organization of evaluation schedule**:

The College holds centralized examinations once every year, the final test. These examinations are held for first-year, second-year and third-year students. Results of these examinations are published. Answer scripts are shown to the students and the scheme of evaluation is explained. Model answers are discussed for the benefit of the students. Unit tests and tutorial classes are held regularly by the departments in order to impart more knowledge and skills. Besides these tests, students' presentation in seminars also helps in monitoring students' performance before the university examinations.

- **Teaching Plan:**

Teaching plan is prepared at departmental level well in advance before commencing the academic session for better understanding of the workload and completion of the syllabus within the specified time frame. Coordinators of the various departments seek opinion of departmental teachers regarding distribution of syllabus by conducting departmental meetings. The teachers have liberty to put their preferences in teaching a particular area of curriculum. However, through the formal and even informal discussions in some cases among the teachers, the teaching plan is

finalised . It includes the topics to be taught and the number of classes required by individual teachers during the specified period of time. A reasonable degree of flexibility is allowed to the academic departments in preparing the teaching plan. This whole process is informally conducted at the discretion of the concerned departments. A system of students' feedback has been introduced in the recent past. A central time table is prepared by the Routine Sub-committee and following that departmental time table is prepared by the Co-ordinator of the individual departments and displayed on the Notice Board. A departmental time table along with a copy of time table of individual teachers is also submitted to the Principal for verification.

- **Evaluation Blue Print**

With a view to assessing progress of the students, there is a system of internal

assessment generally conducted by the individual departments. The schedule of examination prepared by different departments is displayed on the Notice Board. At the same time students are informed in the class the portion of syllabus to be examined. In this way the students are evaluated by the respective departments on a regular basis. Students having poor performance undergo remedial coaching. The final evaluation is done through University schedule.

2.3.2 Contribution of IQAC to improve the teaching – learning process. Functions carried out by the IQAC to improve the teaching-learning process with administrative, academic extension activities, research and knowledge resource extension

IQAC cell was formed on 24.02.2014 by Resolution No.2802 of the Governing Body of the college as an agency to improve and enhance the overall educational environment and its different components to ensure a smooth functioning of the teaching –learning process of the college. IQAC cell gives valuable suggestions regarding introduction of new courses, research and development planning, conducting seminars, workshops, career-counseling, empowering faculty.

IQAC conducts meeting for the improvement of the faculties for research and upgradation. This cell provides some quality benchmark/parameters for monitoring and developing quality in respect of various academic, administrative and co-curricular activities of the Institution. It also

disseminates information on quality aspects and monitors different quality measures to restore and uplift the quality of the Institution as a whole. However, the IQAC considers and analyses students' feedback, their progress in internal assessment, the use of library resources, effective use of existing infrastructural facilities and additional requirement thereof, facilities provided for enrichment of teachers' knowledge to improve the quality of teaching-learning process.

The IQAC conducted the following workshops for enrichment of teachers' knowledge regarding career advancement scheme and preparation of SSR for NAAC:

SL number	Subject of the workshop	Resource person	Date
1	Procedures of career advancement scheme.	Dr. T.K Ghara, Joint DPI, GOvt of West Bengal.	24.05.2014
2	Preparation of SSR and different aspects of NACC accreditation	1. Dr. Prabir Kumar Chkrabarty, Former Principal Midnapore College 2. Dr. Subir Kumar Bose, Former Dean, Students welfare, V.U 3. Dr. Amalkanti Chakrabarty, HOD English department Midnapore College	03.03.2015

2.3.3. Student-centric Learning: Details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students :

Important methodologies for student centric learning -

a) Onsite learning for subjects like Zoology Botany, Physiology, Geology, Geography.

b) Organization of Departmental Seminar and class seminar.

c) Field work by Zoology, Botany, Geography, Geology departments

d) Organization of interactive platform by different programme like Bhasa Diwas, Hindi Diwas, Rabindra Jayanti.
e) Organization of career counseling for the students.
f) Organization of job-oriented campusing for out-going students of IIIrd year.
g) Promotion and motivation for wall magazine and college magazine. Majority of the departments have Wall Magazines where they showcase their academic and creative talent.

2.3.4 Nurturing critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators:

The college nurtures critical thinking among the students by organizing seminars, educative exhibitions etc. in which students can explore new ideas having a chance to listen to the views of distinguished academicians particularly in the seminar. The teachers motivate the students in writing for publication in the annual magazine and wall magazine for embracing creativity. Teachers also create interest among the students to nurture creativity by providing guidance. Drawing posters, pioneering thinking, are encouraged where each student tries to contribute with his/her own originality. Scientific temper is developed among the students in different theoretical and practical classes.

2.3.5 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.

Though situated nearly 200 kms away from the Capital of the state, the college tries its best to provide technological facilities to its students and faculty within its limited funds. The institution provides:

1) 7 LCD projectors
2) 3 Overhead Prjectors
3) Computer with internet facilities in all science and commerce departments and in Humanities and Geography departments.
4) TNT-Mips software in Geography department.

5) Power point presentation is used in some departments.

2.3.6 How the students and faculty are exposed to advanced level of knowledge and skills:

Students are encouraged to participate in the seminar and special lecture programme organized by different departments of the college to enrich their level of knowledge. The details are given in the following table:

Sl. No	Date of seminar	Department	Title	Amount(Rs)	Funding agency
1.	08.12.2011	Chemistry	"Celebration of 150th Birth Anniversary of Acharyya P. C. Ray"	Rs. 5000/-	T.D.B. College
2.	15.12.2008	Zoology	Seminars on Environmental Awareness (1) Herbal Remedies- A Need of the Hour (2)Global warming and Possible Mitigations	Rs5000/- +Rs5000/-	T.D.B. College
3.	08.09.2009	Zoology	Two Hundred Years of Charles Darwin	Rs 5000/-	T.D.B. College
4.	27.01.2011 & 28. 01. 11	Zoology	Climate Change : A Dagger In Disguise-Affecting Biodiversity	Rs 1,05,000/-	UGC

Sl. No	Date of seminar	Department	Title	Amount(Rs)	Funding agency
5.	20.07.2013	Zoology	Current trends in the research on aquatic ecosystems-Application of ecological modelling	Rs. 12500/-	T.D.B College
6.	19.09.2014	Zoology	Conservation of Health and Hygiene by the way of greenery and cleanliness	Rs.1500/-	N.S.S, T.D.B College
7.	16.01.2009	Physics	Baby Universe at the Large Hadron Collider	Rs.5000/-	Department of physics and T.D.B College
8.	16.09.2009	Physics	Astronomy and astrophysics-Current perspectives and future challenges	Rs.5000/-	Department of physics and T.D.D college
9.	09.05.2010	Bengali	A rally with tableau accompanied by songs and recitation on Tagore's sesquicentenary of birth	Rs.6000/-	T.D.B College
10.	05.01.2011 and 06.01.2011	Bengali	Modern Relevance of Tagore's	Rs. 1,11,000/-	U.G.C.

Sl. No	Date of seminar	Department	Title	Amount(Rs)	Funding agency
			Thought in India's Intellectual Sphere.		
11.	17.03.2015	Geology	Phanerozoic Taxonomic and Ecological Diversification History: A case study from Bivalve		T.D.B College
12.	28.09.2013	Hindi	Seminar on Hindi Divas	Rs.2000/-	Co-ordinator, Hindi Department
13.	19.09.2014	Hindi	Seminar on Hindi Divas	Rs.3000/-	T.D.B College
14.	16.10. 2011	Physiology	Occupational Ergonomics	Rs.4000/-	T.D.B College
15.	23.02.2011	Physiology	Cancer and Lifestyle	Rs.16000/-	T.D.B college, Registration fees and advertisements
16	24.05.2014	IQAC	Procedures of Career Advancement Scheme	Rs.10000/-	TDB College

Sl. No	Date of seminar	Department	Title	Amount(Rs)	Funding agency
17	03.03.2015	IQAC	Preparation of SSR and different aspects of NACC accreditation.	Rs. 15000/-	T.D.B. College
18	14.01.2011	History	Jihad and Global Terrorism – A New Perception in Contemporary History	Rs.7500/- T.D.B College	
19	August, 2010	English	Ana Garcia Arroy from University of Terragona, Barcelona, Spain on Indian Writing in English and Arvind Adiga's White Tiger	College sponsored Seminar	

The faculties are allowed to undergo Orientation Programmes, Refresher Courses and other related training programmes. They are also allowed to participate and present papers in different state-level, national and international seminars, workshops, conferences etc. to enrich their level of knowledge and skill.

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

Academic supports are given in terms of classroom teaching, (100%) Tutorial classes (15-18%) Class test (100%), evaluation of answer script (100%)

The teachers of our college act as academic advisors and guide the students rather than acting only as class teacher and when they get any hint about the personal problem of any student, they put every effort to resolve that as much as possible. There are instances of providing monetary help by the teachers to the needy students when they face financial difficulty to meet the requisite fees for pursuing/continuing their study. Sometimes such help is also extended to the students for their admission into P. G. courses.

2.3.8 Details of innovative teaching approaches/methods adopted by the faculty during the last four years. Efforts made by the institution to encourage the faulty to adopt new and innovative approaches and its impact on student learning:

As mentioned under 2.3.3 above, various methods are adopted by the teachers to make learning effective as well as interesting. The college authority always encourages teachers to practice innovative method provided the fund permits the same. Whenever any new grant is available the authority asks for proposals from the departments for utilization of the funds. The departments are given full liberty to choose the equipments / softwares / materials to be purchased and are supplied to the respective departments on the basis of emergent necessity.

2.3.9 Utilization of library resources to augment the teaching-learning process:

The college has a well-equipped partly computerized library having more than 68,000 books including text books, reference books, advanced books, journals and periodicals on various subjects, which remains open from 8 am to 5 pm on every working day. There are many old and rare books and journals as also very ancient and rare Sanskrit manuscripts. Teachers and students visit the library regularly. There are other support services available in the library, for example, broad band connection in the library and computer facility. Digitization of library access process is going on. We are in the process of accessing online journals and books through INFILBNET.

2.3.10. The challenges the Institution faces in completing the curriculum within the planned time frame and calendar:

The data of the last four years shows that out of the total classes allotted almost 80% of the classes have been performed. Given the length and detail of our syllabus, especially for the Honours students, the number of teaching days available appears insufficient for the completion of the same. The challenge for the teachers is to efficiently and satisfactorily complete the syllabus especially in the sessions where elections are held.

2.3.11. Monitoring and evaluating the quality of teaching learning:

Quality of teaching is evaluated through the feed-back from the students.
Classroom attendance of the students is closely monitored
Continuous assessment by regular class test and course examination.
Principal and the faculty members meet to improve the quality of teaching.

2.4 Teacher Quality

2.4.1 Details and Elaboration 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.

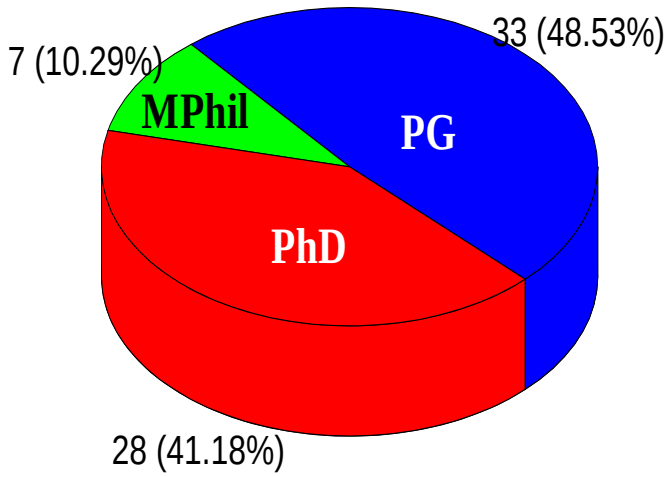
Highest Qualification	**Professor**		**Associate Professor**		**Assistant Professor**		**Librarian**		**Graduate Lab. Instructor**		**Total**
	Male	**Female**	**Male**	**Female**	**Male**	**Female**	**Male**	**Female**	**Male**	**Female**	
Permanent Teachers											
D. Sc./D. Lit.	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Ph.D.	01	NIL	06	04	10	06	01	NIL	NA	NA	28
M.Phil.	NIL	NIL	03	NIL	03	02	NIL	NIL	NA	NA	08
P.G.	NIL	NIL	07	01	12	09	NIL	NIL	NA	NA	29
U. G.	NA	NA	NA	NA	NA	NA	NA	NA	02	01	03

Temporary Teachers

Highest Qualification	Management Approved Part Time Teacher		Management Approved Contractual Teacher		Graduate Laboratory Instructor		Total
	Male	Female	Male	Female	Male	Female	
Ph.D.	NIL	01	NIL	NIL	NIL	NIL	01
M.Phil.	01	NIL	NIL	NIL	NIL	NIL	01
P.G.	09	06	04	NIL	NIL	NIL	19
U. G.	NIL	NIL	NIL	NIL	02	NIL	02

Govt. Approved Part-time Teachers (PTT)				Govt. Approved Contractual Whole Time Teacher (CWTT)		
Highest Qualification	Male	Female	Total	Male	Female	Total
Ph.D.	02	NIL	02	NIL	NIL	NIL
M.Phil.	NIL	NIL	NIL	NIL	NIL	NIL
P.G.	07	11	18	NIL	01	01

Number of substantive teaching post (all subject)	Number of teacher in position in all subject	Number of vacant post.
96	**64**	**32**



It is seen that there is gap between number of substantive teaching post (all subject) and the number of teacher in position in all subject required for different subject.

2.4.2. Coping 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.) with details on the efforts made by the institution in this direction and the outcome during the last three years.

The college has appointed one Fulltime Govt. Approved faculty (Contractual Whole Time Teacher, CWTT) in the Department of Computer Science. There are also 20 Govt approved Part-time teachers. Four Management approved Contractual Teacher/Technical staff in the Departments of Mathematics, Sanskrit, Commerce and Physics and Management approved class based teachers.

2.4.3 Details on staff development programmes during the last four years elaborated on the strategies adopted by the institution in enhancing the teacher quality

a) Nomination to staff development programmes

Academic development Programme	Number of faculty nominated
Refresher Courses	12
Orientation Programme	6
Summer School, Workshop	1

2.4.4. Policies / systems in place to recharge teachers (e.g. : providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

The college tries its level-best to encourage all those activities required to academically 'recharge' and refresh teachers. Some of the measures taken in this direction are as follows:

- Providing leave under FIP for doctoral work.
- Providing study leave (for completing specific research work)
- The college also allows teachers to attend Orientation and Refresher Courses as per UGC norms and schedules.

Outcome

Sl. No	Name of the investigator	Title of the project	Period	Funding agency	Sanctioned money (Rs)	Status
1.	Dr.BasabiBarua (Hazra)	Study of Taxonomy, Ethnobotany and Phenology of medicinally important plants in the Coldfield areas of Raniganj in Burdwan	01-11-2009 to 30-04-2011	UGC Minor Research project	51000/-	Completed and Final report submitted

Sl. No	Name of the investigator	Title of the project	Period	Funding agency	Sanctioned money (Rs)	Status
		District in West Bengal				
2.	Dr, Sandip Sen & Dr. Ashok Kumar Bandyopadhyay	Quantum gravity and Black hole Physics	15-11-2009 to 14-05-2011	UGC	71000/-	Completed
3.	Dr.ShibdasDholey	Studies on some flow, heat transfer and stability problems in flows of Newtonian and Non-Newtonian fluids	-01-2011 to -06-2012	UGC Minor Research project	1,01,500/-	Completed with two published papers

- The college brings to the notice of teachers each and every research grant, particularly those offered by the UGC. It plays a proactive role in preparing and submitting such proposals.

2.4.5 Faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years.

None. State has no such recognition.

2.4.6. Introduction of evaluation of teachers by the students and external Peers and its use in improving the quality of the teaching-learning process.

The College has introduced evaluation of the teachers by the outgoing Honours students, on a regular basis and submitted report to the Principal. The students' feedback is carefully analyzed and the strengths and weaknesses in their teaching method are analyzed. Evaluation of teachers by the external peers is done at the time of promotion.

2.5 Evaluation process and Reforms

2.5.1 Ensuring that the stakeholders of the institution especially students and faculty are aware of the evaluation processes:

The method of creating awareness among the stakeholders about the evaluation process is as follows:

1) Announcement and official notices are circulated to both teachers and the students.
2) Class notices are served in each class.
3) Academic calendar.
4) Notification and circulation from university.

From the teachers side we also take some useful steps for awareness.

1) Academic Committee meeting
2) Departmental Coordinators' Meeting
3) Departmental faculty meeting
4) Teachers' Council Meeting

2.5.2 Major evaluation reforms of the university that the institution has adopted and the reforms initiated by the institution on its own.

The Burdwan University to which the college was affiliated had modified the old syllabus in 2014-15 session of most of the subjects. College accordingly introduced the modified syllabus. Recently, after the college became a part of Kazi Nazrul University, the syllabi and programmes have been rescheduled to meet their requirements. Apart from this, the answer scripts for College examinations are evaluated following the general pattern of instructions given for evaluating university examination answer scripts. For science subject some new instruments are supplied according to the syllabus. As per the university new norms few marks are allotted in different departments for internal assessment of practical.

2.5.3 Ensuring effective implementation of the evaluation reforms of the university and those initiated by the institution on its own:

A variety of measures are adopted and implemented to ensure rigor of the internal assessment process which are held on a regular and time-bound basis:

- Class test
- Viva-voce
- Assignments
- Presentations

2.5.4 Details on the formative and summative evaluation approaches adapted to measure student achievement. A few examples which have positively impacted the system.

To transform an ordinary student into an advanced learner, a continuous evaluation process is essential in an educational institution. An incessant monitoring system for a student during a session may be called a formative evaluation. It can be used by a teacher to improve or change his/her teaching style to make the class more impressive and interesting. On the other hand, he/she can also contemplate on the position of a student in the context of the topics discussed in the previous classes.

College usually conducts the formative assessment of students in various ways like:

2. Presentation of a topic in the class
3. Field visits and sample collections
4. Class interactions
5. Case studies or Project preparation for University examination
6. Written test for a short while on a conceptual topic
7. Occasional practical skill test
8. Organization of cultural programs
9. Intra college competitions such as indoor games, outdoor games and other cultural activities
10. Leading role or interest in N.S.S. if chooses for
11. Participation on different activities on N.C.C. if opted for
12. Participation in social activities like tree plantation, blood donation, awareness campaign.

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

As the institution is an affiliated college there is little scope for these. However in order to ensure transparency answer scripts of all test examinations organized by the college / departments are shown to the students.

2.5.6. Mention the Graduate attributes specified by the College/affiliating University and its attainment.

To ensure that the students graduating from this college has certain specific attributes such as Mathematical Aptitude, Reasoning, Soft Skills, Communication Skill etc. A graduate from this college is supposed to be in possession of the abovementioned value based and value added skills.

2.5.7 Mechanisms for redressal of grievances with reference to evaluation both at the college and University level

College has no such mechanism for redressal of Grevances wth reference to evaluation. For University examination the students can apply for reiewing their answer scripts by filling up the proper form through the college.

2.6. Student performance and Learning Outcomes.

2.6.1 Clearly stated Learning outcomes of the Institution. Give details.

a) In a result review meeting of teachers' council, the results of different departments are placed by the departmental heads and the members of the Teachers' Council put forward their suggestion for better performance of students.

b) University and College circulars are displayed on the notice boards of the College.

2.6.2 Enumerating how the Institution monitors and communicates the progress and performance of students through the duration of the course/programme and 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.

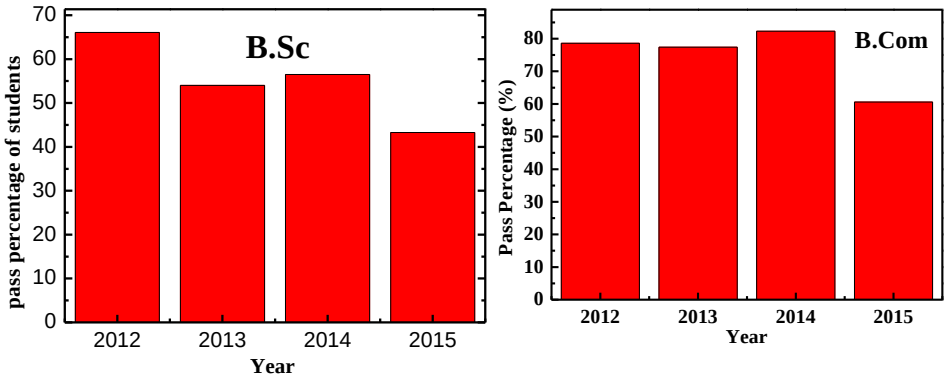
University results for last 4 years.

Courses		Year of Exam	Appeared	1st class	passed	Success rate in HONS case	Rank in top 20 in university
B.A	1. Bengali	2012	45	01	36	88.2	
		2013	41	01	36	91.11	
		2014	40	01	34	85	
		2015	37	02	30	81.08	
	2. English	2012	56		47	83.93	
		2013	31	01	25	80.64	
		2014	29		14	48.28	
		2015	26		15	57.69	
	3. Philosophy	2012	19		10	52.63	
		2013	11		07	63.64	
		2014	12	01	03	25.00	
		2015	05		04	80	
	4. Economics	2012	18		13	72.2	
		2013	17		7	41.18	
		2014	17		9	52.94	
		2015	14		5	35.71	
	5. Hindi	2012	56	12	46	82.14	
		2013	51	16	45	88.24	
		2014	44	09	34	77.27	
		2015	46	06	26	56.52	
		2012	41		33	80.49	

Courses		Year of Exam	Appeared	1st class	passed	Success rate in HONS case	Rank in top 20 in university
	6. PolSc	2013	33	03	27	90	
		2014	36	04	26	72.22	
		2015	27		18	66.66	
	7. Geography	2012	36		33	91.67	
		2013	21	02	20	95.24	
		2014	27	10	25	92.59	
		2015	28	11	26	92.86	
	8. History	2012	57		36	63.16	
		2013	38		19	50	
		2014	44	01	30	68.18	
		2015	29		17	58.6	
	9. Urdu	2012	20		10	50	
		2013	16	01	12	75	
		2014	18	05	10	55.56	
		2015	15	01	3	20	
	10. Sanskrit	2012	22		18	81.82	
		2013	16		09	56.25	
		2014	19	01	09	47.37	
		2015	15		03	20	

Courses		Year of Exam	Appeared	1st class	passed	Success rate in HONS case	Rank in top 20 in university
B.Sc	1. Chemistry	2012	10		06	60	
		2013	14		04	28.5	
		2014	12	01	04	33.3	
		2015	09		06	66.66	
	2.Physics	2012	12		06	50	
		2013	18	02	09	50	
		2014	15		06	40	
		2015	7		03	42.85	
	3. Mathematics	2012	19		12	63.15	
		2013	23	01	12	52.17	
		2014	27	02	17	62.96	
		2015	14	01	12	85.71	
	4.Geology	2012	19		19	89.47	
		2013	07	02	05	71.42	
		2014	13	02	04	30.76	
		2015	18	02	10	55.55	
	5. Statistics	2012	03		02	66.66	
		2013	02		01	50	
		2014	02		02	100	
		2015	02	01	01	50	
	6. Electronics	2012	01		01	100	
		2013	00		00		
		2014	01		01	100	
		2015	00		00		
		2012	19		12	63.15	

Courses		Year of Exam	Appeared	1st class	passed	Success rate in HONS case	Rank in top 20 in university
	7. Zoology	2013	20	01	12	60	
		2014	26	03	13	50	
		2015	28	04	09	32.14	
	8. Botany	2012	06		03	50	
		2013	13	01	11	84.61	
		2014	15	01	08	53.3	
		2015	18	02	08	44.44	
	9. Physiology	2012	10		05	50	1st
		2013	11	02	06	54.54	2nd
		2014	21	04	11	52.38	1st
		2015	23	03	10	43.47	
	10. Computer Science	2012	04		03	75	
		2013	04	02		50	
		2014	03	01	03	100	
		2015	04	01	03	75	
	B.Com	2012				78.6	
		2013	102	17	79	77.4	
		2014	130	38	107	82.3	
		2015	147	45	98	60.06	



Our students meet the challenges of a changing world through pragmatic and professionally oriented learning. The college provides special coaching facilities for the UG student. Apart from optimizing the syllabi and updating the teaching methodology, the students are motivated towards achieving the best outcomes of the teaching-learning process. The college closely monitors all these programmes.

2.6.3 Teaching learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes.

The strategies of teaching, learning and assessment and its structuring are determined by the learning outcome and these strategies of this institution are integrative in order and consistent. They are designed in a way to ensure that the learning outcomes are successfully achieved. The BOS of different subjects of University takes sufficient initiative for planning and mapping to facilitate the achievement of the intended learning outcomes. Faculty ensures the essential balance between lectures, seminars,

independent and collaborative learning activities in the programme, Feedback from the outgoing Honours students help us to assess whether the learning outcomes are achieved.

2.6.4 Measures/initiatives taken up by the institution to enhance the social and economic relevance (quality jobs, entrepreneurship innovation and research aptitude) of the courses offered:

In the introductory classes of any course, the teachers make the newcomer students aware of the social and economic relevance of the courses. Teachers focus on how the study of the courses can be economically and socially significant by explaining the job opportunities and scope in further studies and research work in the subjects. During the courses, departments organize seminars, lectures to discuss the issues relating to the impact of studying the subjects on the society. The college also organizes seminars and talks by experts to emphasize on the prospects of studying different subjects.

2.6.5 Institution's method in collecting and analyzing data on student learning outcomes and using it for planning and overcoming barriers of learning:

College gathers systematically data of all the examinations. Faculties sit in meeting regarding the progress of the assessment and further progress.

Departments arrange for remedial classes for the students whose progresses are not satisfactory.

2.6.6 Monitoring process and details of the achievement of learning outcomes.

The departmental output regarding the students' performance is regularly discussed in Teachers' Council meeting. The problems are noted and possible outcomes are suggested in the meeting. The concerned department implemented the suggestions and reported the feedback to the next council meeting.

2.6.7 Assessment/evaluation the institution and individual teachers for evaluating student performance, achievement of learning objectives and planning. Give details.

Yes. The College holds arrange a final Test for each year. These examinations are taken for first-year, second-year and third-year students. Results of these examinations are published centrally. Teachers individually take class test in a regular basis.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

Trivenidevi Bhalotia College has always encouraged its faculty members and students to engage in research work and extension activities. However, it has yet to make a foray into consultancy services, the scope of which is limited. Most of the teachers are involved in research work. Teachers and students are encouraged to attend conferences and seminars organised by the college, as well as those held in other institutions. It is mandatory for UG students in their third year to submit projects in Environmental science. In this the teachers guide the students to work on contemporary issues.

3.1 Promotion of Research:

A majority of teachers are engaged in research activities – some to obtain Ph.D degrees, some in post doctorate work and others as supervisors of research scholars. Many of these faculty members present papers in National and International conferences and seminars. The college provides assistance to the researchers in the form of library facilities, laboratory and sabbatical leave.

3.1.1 Research Centres:

Although the college encourages its faculty and students to engage in research activities, there is no organised system to facilitate research. A research centre that functions as a support system to encourage and enable teachers to undertake research along with teaching is yet to be set up.

3.1.2 The Research Committee of The College:

The college has a Research Committee the composition of which is as follows:

Dr. Sharbani Banerjee, Convenor
Dr. Sital Gangopadhyay
Dr. Sandip Sen
Dr.Parimal Kumar Das
Dr. Ahin Punya Mitra

The committee was formed with a view to encourage and assist faculty members to apply for externally funded research project.

3.1.3 Measures Taken by the Institution for Smooth Progress and Implementation of Research Schemes / Projects

The Institution provides infrastructural facilities such as laboratory, library, computers and internet to facilitate research.

3.1.4 Developing Scientific Temper, Research Culture and Aptitude among Students

- Undergraduate students in their third year have to undertake projects in Environmental Science. Faculty members guide them to work on subjects of current interest.

- Competitive stalls are set up by students at the annual exhibition. Various themes of current social and scientific importance are taken up by these stalls.
- Students also participate in poster competitions in seminars organised by the college. Eighteen students of the Physiology Department participated in poster award competition (UG level) at the Physiological Survey of India Conference (PHYSICON), 2014, held at Baharampur Girls' College. Of these, three students were awarded the third prize for their research project entitled 'Musculoskeletal Disorders in Housemaids'.
- Some departments like Geography, Botany, History and Political Science organise seminars by teachers, delegates and also students.

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

(i) Several teachers are actively involved in supervision of research work of students aspiring for Ph. D. Degrees:

Table 3.1.5 A. Details of Supervision of Research Work by Teachers of the Institution

Name of teacher	Name of student	Subject	University	Status
Dr. Shital Gangopadhaya	1.Abha Mallik	Anurupa Devi: Jiban o Sahitya.	The University of Burdwan	Ongoing
	2.Manirul Islam	Loukik Jana jibane Alkap: Shekal o Ekal.	The University of Burdwan	Ongoing
	3.Shayamaprasad Chowdhury	Unish Sataker Bangla Sahitya o Sambad : Parashpar Samparko.	The University of Burdwan	Ongoing
	4.Pradip Kumar Chakraborty	Byango sahityik Indranath Bandyopadhyay: Ekti parjyobekhson.	The University of Burdwan	Ongoing
	5.Partha Chakraborty	Banglar Musalman kobider rachito Boisnob padh o kabyo bhabna.	The University of Burdwan	Ongoing
	6.Swarup Kumar Gangopadhyay	Bijon Bhattacharya: Noto o natyokar.	The University of Burdwan	Ongoing
	7.RamprasadSamanta	Rabindra o Sarat chandrer chotogalper sisu-kishor charitro.	Rai University, Ranchi, Jharkhand	Ongoing
	1.Nandita Ghosh Das	Macrophyte Diversity,	The University of Burdwan	Ongoing

Name of teacher	Name of student	Subject	University	Status
Dr Basabi Barua (Hazra)		Assessment of Water Quality and Restoration of Wetland in Coalmining Area of Raniganj, W.B., India.		
Dr.Shafquat Kamal	1. Md. Halim	Abid Zameer: Shakshiyat aur Fam	The University of Burdwan	Ongoing
	2.Arjumand Banu	1960 Ke Baad Nomainda Urdu Novelon Mein Siyasi Aur Samaji Masayal	The University of Burdwan	Ongoing
	3.Reshna Khatun	Urdu Afsane Ka Irteqa Main Bengal Ki Khatoon Afsana Nigaron Ka Hissa	The University of Burdwan	Ongoing
	4. Irshad Ansari	Hajra masroor ke afsano ka tajziyati motalea	The University of Burdwan	Ongoing
	5.Tamkinat Parwez	Wahab asrafi: hayat-o-khidmaad	The University of Burdwan	Ongoing
	6.Tahera Khatoon	Taraqqi pasand afsano mein insan dosti	The University of Burdwan	Ongoing
	7. Wajihiddin Jamal	Topics and Problems of Urdu Journalism in West Bengal After Independence	The University of Burdwan	Ongoing
	8.Zafar Iqbal	Ehtejaj Aur Urdu Afsana	The University of Burdwan	Ongoing
Dr. Ritam Mukherjee	1. Sarvjeet Kumar Chandrabanshi	Catalysis	Jadavpur University	Ongoing
Dr. Babita Sahoo	1. Dr. Suparna Chakraborty	Theoritical Nuclear Physics	NIT Durgapur	Awarded in 2015
	2. Srivash Kumar Mahato	Theoritical Nuclear Physics	NIT Durgapur	Ongoing

The details of research projects undertaken by faculty members are:

Table 3.1.5 B. The Details of Leading Research Project:

Sl. No	Name of the investigator	Title of the project	Period	Funding agency	Sanctioned money (Rs)	Status
1	Dr.Parimal Kumar Das	Synthesis and fluorimetric studies of a novel fluoreacent probe for cation recognition	02-04-2005 to 31-03-2007	UGC	70000/-	Completed and Report already submitted.
2	Dr.BasabiBarua (Hazra)	Study of Taxonomy, Ethnobotany and Phenology of medicinally important plants in the Coldfield areas of Raniganj in Burdwan District in West Bengal	01-11-2009 to 30-04-2011	UGC Minor Research project	51000/-	Completed and Final report submitted
3	Dr. Sandip Sen & Dr. Ashok Kumar Bandyopadhyay	Quantum gravity and Black hole Physics	15-11-2009 to 14-05-2011	UGC	71000/-	Completed
	Dr, Sandip Sen &Minakshi Chakraborti (Sen), Dept. Of Physics, Asansol Girls' College, Asansol	Entanglement in photo electron spectroscopy of atoms and molecules		UGC		Ongoing from March-2015
5	Dr.ShibdasDholey	Studies on some flow, heat transfer and stability problems in flows of Newtonian and Non-Newtonian fluids	January, 2011 to June ,2012	UGC Minor Research project	1,01,500/-	Completed with two published papers

Sl. No	Name of the investigator	Title of the project	Period	Funding agency	Sanctioned money (Rs)	Status
6	Dr.Ahinpunya Mitra	Exploring Hinge Certainties: An understanding of Wittgensteinian response to Skepticism after *On Certainty*	March-2012-August-2013	UGC Minor Research project	86,000/-	Completed, to be submitted shortly

3.1.6. 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.]

Sl. No	Date of seminar	Department	Title	Amount (Rs)	Funding agency
1.	08.12.2011	Chemistry	"Celebration of 150th Birth Anniversary of Acharyya P. C. Ray"	Rs. 5000/-	T.D.B. College
2.	15.12.2008	Zoology	Seminars on Environmental Awareness (1) Herbal Remedies- A Need of the Hour (2)Global warming and Possible Mitigations	Rs5000/- +Rs5000/-	T.D.B. College
3.	08.09.2009	Zoology	Two Hundred Years of Charles Darwin	Rs 5000/-	T.D.B. College
4.	27.01.2011 & 28. 01. 11	Zoology	Climate Change : A Dagger In Disguise- Affecting Biodiversity	Rs 1,05,000/-	UGC
5.	20.07.2013	Zoology	Current trends in the research on aquatic ecosystems- Application of ecological modelling	Rs. 12500/-	T.D.B College
6.	19.09.2014	Zoology	Conservation of Health and	Rs.1500/-	N.S.S, T.D.B College

Sl. No	Date of seminar	Department	Title	Amount (Rs)	Funding agency
			Hygiene by the way of greenery and cleanliness		
7.	16.01.2009	Physics	Baby Universe at the Large Hadron Collider	Rs.5000/-	Department of physics and T.D.B College
8.	16.09.2009	Physics	Astronomy and astrophysics-Current perspectives and future challenges	Rs.5000/-	Department of physics and T.D.D college
9.	09.05.2010	Bengali	A rally with tableau accompanied by songs and recitation on Tagore's sesquicentenary of birth	Rs.6000/-	T.D.B College
10.	05.01.2011 and 06.01.2011	Bengali	Modern Relevance of Tagore's Thought in India's Intellectual Sphere.	Rs. 1,11,000/-	U.G.C.
11.	17.03.2015	Geology	Phanerozoic Taxonomic and Ecological Diversification History: A case study from Bivalve		T.D.B College
12.	28.09.2013	Hindi	Seminar on Hindi Divas	Rs.2000/-	Co-ordinator, Hindi Department
13.	19.09.2014	Hindi	Seminar on Hindi Divas	Rs.3000/-	T.D.B College
14.	16.10. 2011	Physiology	Occupational Ergonomics	Rs.4000/-	T.D.B College

Sl. No	Date of seminar	Department	Title	Amount (Rs)	Funding agency
15.	23.02.2011	Physiology	Cancer and Lifestyle	Rs.16000/-	T.D.B college, Registration fees and advertisements
16	24.05.2014	IQAC	Procedures of Career Advancement Scheme	Rs.10000/-	TDB College
17	03.03.2015	IQAC	Preparation of SSR and different aspects of NACC accreditation.	Rs. 15000/-	T.D.B.College
18	14.01.2011	History	Jihad and Global Terrorism – A New Perception in Contemporary History	Rs.7500/-	T.D.B College

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

The teachers who are engaged in research/research projects work on an independent basis. Financial support for research is available from external agencies. However, many faculty members are experts in their respective fields and some supervised research work of scholars. A list of research work in frontier areas is given in Table 3.1.5 A

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

Different departments of the college have invited eminent Professors and Researchers to the College to deliver lectures at seminars. These resource persons also interacted and inspired both teachers and students to study further and drew attention to the current topics of research in their respective subjects.

List of visitors:

Department of English

1. Dr. Ana Garcia Arroyo, Professor of English, University of Tarragona, Barcelona, Spain

Department of History

1. Dr. Gouri Sankar Banerjee (Shyamsundar College, B.U.)

Department of Chemistry

1.Prof. Sanjib Bagchi, Dept. of Chemistry, IISER, Kolkata.

Department of Physiology

1.Dr. Verna Lesly Blewett, Assiociate Professor, University of South Australia, Australia.
2.Dr. Andrea Jane Shaw, Director, Shaw Idea Pty Ltd. Mount Egerton, Vic, Australia.
3.Dr.Bikash Agarwal , Oncologist;Apollo Gleneagles Hospitals
4.Prof. T.K.Ghosh, Head of Department of Physiology; Calcutta University
5.Dr.M.K. Chakraborty; Senior scientist NICED;Kolkata

Department of Zoology

1.Prof. Sovan Lek Professor of Animal Biology, Sabatier University, Toulouse, France.
2.Prof. Sithan Lek Ang, Professor of Animal Biology, Sabatier University, Toulouse, France
3.Prof. Santanu Ray, Department of zoology, Visva Bharati, Santiniketan

3.1.9 Utilization of Sabbatical Leave for Research Activities

Two teachers availed of study leave in order to complete their research work for PhD degree.

Details are as follows:

Serial No.	Name	Duration of leave
1.	Dr.Sharbani Banerjee	01.08.2002 to 30.07.2003
2.	Dr.Amitava Nayek	01.04.2010 to 30.03.2012

3.1.10 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).

- Department of Zoology intends to impart training in Pisciculture and Tussar cultivation to local farmers.

3.2 Resource Mobilization for Research

3.2.1 Percentage of the total budget earmarked for research.

Not Applicable.

3.2.2 Provision in the institution to provide seed money to the faculty for research.

There is no such provision

3.2.3 The financial provisions made available to support student research projects by students.

Not Applicable.

3.2.4 Interaction of various departments/units/staff of the institute in undertaking inter-disciplinary research. Examples of successful endeavours and challenges faced in organizing interdisciplinary research.

Such endeavour are yet to be undertaken

3.2.5 Ensuring optimal use of various equipments and research facilities of the institution by its staff and students.

The available facilities are optimally utilised

3.2.6 Special grants or finances received by the institution from the industry or other beneficiary agency for developing research facility.

Not Applicable.

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

The College has a Research Committee which forwards applications for Research Projects to funding agencies like UGC.

A list of Projects undertaken by faculty members of the College is given in **section 3.1.5 (ii)**.

3.3 Research Facilities

3.3.1 Research facilities available to the students and research scholars within the campus.

The main thrust of the institution is in conducting UG courses, and PG course in Urdu.

Efforts are being made to provide some infrastructure for research work.

3.3.2 Institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research.

There were no specific provisions for research work in the institution. However, at present the college is in the process of setting up a laboratory for research work in the department of Chemistry.

3.3.3 Special grants or finances received by the institution from the industry or other beneficiary agency for developing research facilities. The instruments / facilities created during the last four years.

The College has received grants from the UGC which have been utilized to buy various instruments/facilities.

The details are as follows:

- Computer Systems (Fourteen)
- Fax Machines (One)
- Xerox Machines (One)
- Library Books
- Industry-College interface is yet to be developed.

3.3.4 Research facilities made available to the students and research scholars outside the campus / other research laboratories.

No initiative has been taken in this direction.

3.3.5 Details of the library/ information resource centre or any other facilities available specifically for the researchers.

There are books, ancient manuscripts and journals which can be used by researchers. There are, however, no other specific facilities for research work.

3.3.6 Collaborative researches facilities developed / created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

No collaborative work has been undertaken.

3.4 Research Publications and Awards

3.4.1 Highlights of major research achievements of the staff and students in terms of

- Patent obtained and filed : NIL
- Original research contributing to product improvement: NIL
- Research studies or surveys benefiting the community or improving the services:

We have a garden of medicinal plants funded by UGC, having valuable species.

- Research inputs contributing to new initiative and social development: NIL

3.4.2 Publication of research journals by this institution.

The Department of English, which intends to publish a research journal. Necessary steps are being taken for this purpose

3.4.3 Details of publications by the faculty and students (in last 4 years)

BOTANY:

1. Dr. Basabi Barua Hazra

1. Barua, B. and Sarkar, K. (2011) Ethnobotanical Study in the Coalfield Areas of Raniganj in Burdwan District, West Bengal; Environment and Ecology (Kalyani), 29(3), 1196-1200..

2. Dr.Swapan Kumar Roy

1. Roy, S.K. & M .Maji, J., (2011), Mycopathol Ress Effect of ceresan (Dry) on seed germination...chlorophyll content in a cultivar of Brassica nigra. 49(2):349-3519.

3. DR. SUBRATA CHAKRABORTY

1.Chakraborty, S.(2011.)Tissue culture of *Solanum laciniatum* Ait., an elite exotic medicinal species with a view to produce secondary metabolite. ***Proceedings of UGC sponsored national seminar on "Biotechnological approach to improve Medicinal plants".*** 162-174.

4. PARBOTI PUTRA MUKHERJEE

1. **Plant Archives** Vol.II.No.II, 2013, P.P 805-807.ISSN 0972-5210 "INFLUNCE OF LEAF LEACHATE OF MANGIFERA INDICA ON GROWTH AND N_2 FIXING CAPACITY OF AZOLLA PINNATA".

2. **Environment & Ecology** 31(3) : 1387-1389, July- September 2013 ISSN 0970-0420
"Effect of Lead Leachate of *Azadirachta indica* on Grouth and Nitrogen fixing capacity of "*Azolla pinnata"*.

CHEMISTRY:

1. Dr. Sudipta Saha

1. **Saha, S.,** Navid, M. H., Bandyopadhyay, S. S., Schnitzler, P., & Ray, B. **(2012).** Sulfated Polysaccharides from *Laminaria angustata*: Structural features and in vitro antiviral activities. Carbohydrate polymers, 87, 123-130.

2. **Saha, S.,** Nosál'ová, G., Ghosh, D., Flešková, D., Capek, P., & Ray, B. **(2011).** Structural features and in vivo antitussive activity of the water extracted polymer from *Glycyrrhiza glabra*. International Journal of Biological Macromolecules, 48, 634-638.

3. Chattopadhyay, N., Nosál'ová, G., Saha, S., Bandyopadhyay, S. S., Flešková, D., & Ray, B. (2011). Structural features and antitussive activity of water extracted polysaccharide from *Adhatoda vasica*. Carbohydrate Polymers, 83, 1970-1974.

4. Sinha, S., Bandyopadhyay, S. S., Ghosh, D., Chatterjee, U. R., **Saha, S.,** Ghosal, P. K., & Ray, B. **(2011).** Structural Characteristics, Fluorescence Quenching, and Antioxidant Activity of the Arabinogalactan Protein-rich Fraction from Senna (*Cassia angustifolia*) Leaves. Food Science Biotechnology, 20, 1005-1011.

Papers published in National Conferences (01):

1. Sulfated polysaccharides from *Laminaria angustata:* Structural features and in vitro antiviral activities. **S. Saha**, M. H. Navid, P. Karmakar, P. Schnitzler, B. Ray. Presented as a poster at Jadavpur University, February 13-14, 2011.

2. Dr. Avik Kumar Bagdi

1. **Bagdi , A. K.**, Santra, S Kamarul Monir,K., & Hajra. A . "Synthesis of Imidazo[1,2-*a*]pyridines: A Decade Update." *Chem. Commun.* **2015**, *51*, 1555.
2. **Bagdi, A. K.**, Mitra,S., Ghosh M., & Hajra, A. "Iodine-catalyzed Regioselective Thiolation of Imidazo[1,2-a]pyridines Using Sulfonyl Hydrazides as a Thiol Surrogate." *Org. Biomol. Chem.*, **2015**, 13, 3314.
3. **Bagdi , A. K.,** Kundu, D., Majee, A., & Hajra, A. "Zwitterionic Imidazolium Salt: An Efficient Organocatalyst for the One-Pot Synthesis of 5,6-Unsubstituted 1,4-Dihydropyridine Scaffolds." *Current Organocatalysis*, **2015** (**Invited Article**).
4. **Bagdi, A. K.** "Regioselective Oxidative Trifluoromethylation of Imidazoheterocycles via C(sp2)−H Bond Functionalization *J. Org. Chem.* **2015**, *80*, 1332.
5. **Bagdi, A. K.,** Monir, K., Ghosh, M.,& Hajra, A., "Unprecedented Catalytic Activity of $Fe(NO_3)_3{\cdot}9H_2O$: Regioselective Synthesis of 2-Nitroimidazopyridines *via* Oxidative Amination*Org. Lett.* **2014**, *16*, 4630.
6. **Bagdi , A. K.,** Mishra, S., & Hajra, A. "Functionalization of an sp^3 C–H Bond *via* a Redox-neutral Domino Reaction: Diastereoselective Synthesis of Hexahydropyrrolo[2,1-*b*]oxazoles." Matiur Rahman, *Chem. Commun.* **2014**, *50*, 2951.

7. Monir, K., **Bagdi , A. K.,** Mishra, S., Majee, A.,& Hajra, A. "Copper(II)-Catalyzed Aerobic Oxidative Coupling between Chalcone and 2-Aminopyridine *via* C-H Amination: An Expedient Synthesis of 3-Aroylimidazo[1,2-*a*]pyridines." *Adv. Synth. Catal.* **2014**, *356*, 1105.

8. **Bagdi , A. K.,** and Hajra,A. "Brønsted Acidic Ionic Liquid Catalyzed Tandem Reaction of 4-Hydroxy-1-methyl-2-quinolone with Chalcone: Regioselective Synthesis of Pyrano[3,2-*c*]quinolin-2-ones." *RSC Adv.* **2014**, *4*, 23287.

9. Mishra, S., **Bagdi , A. K.,** Ghosh, M., Sinha, S., & Hajra, A. "Zinc Iodide: A Mild and Efficient Catalyst for One-pot Synthesis of Aminoindolizines *via* Sequential A^3 Coupling/cycloisomerization." *RSC Adv.* **2014**, *4*, 6672.

10. Santra, S., Mitra, S., **Bagdi , A. K.,** Majee, A., & Hajra, A. "Iron(III)-catalyzed Three-component Domino Strategy for the Synthesis of Imidazo[1,2-*a*]pyridines." *Tetrahedron Lett.* **2014**, *55*, 5151.

11. Das, S., **Bagdi , A. K.,** Santra, S., Majee, A., & Hajra, A. "Solvent-free Silica-promoted Multicomponent Condensation: Synthesis of Highly Functionalized Piperidines." *Res. Chem. Intermed.* **2014**, DOI: *10.1007/s11164-014-1774-7*.

12. **Bagdi , A. K.,** Rahman, M., Santra, S., Majee, A., & Hajra, A. "Copper-Catalyzed Synthesis of Imidazo [1,2-*a*]pyridines through Tandem Imine Formation-Oxidative Cyclization under AmbientAir: One-Step Synthesis of Zolimidine on a Gram-Scale." *Adv. Synth. Catal.* **2013**, *355*, 1741.

13. Santra, S., **Bagdi, A. K.,**, Majee, A., & Hajra, A. "Iron(III)-Catalyzed Cascade Reaction between Nitroolefins and 2-Aminopyridines: Synthesis of Imidazo[1,2-*a*]pyridines and Easy Access towards Zolimidine." *Adv. Synth. Catal.* **2013**, *355*, 1065.

14. Santra, S., **Bagdi, A. K.,**, Majee, A., & Hajra, A. "Metal Nanoparticles in "On-water" Organic Synthesis: One-pot Nano CuO Catalyzed Synthesis of Isoindolo[2,1-*a*]quinazolines." *RSC Adv.* **2013**, *3*, 24931.

15. **Bagdi, A. K.,** Santra, S., Rahman, M., Majee, A., & Hajra, A. , "Synthesis of Polysubstituted Quinolines *via* Copper(II)-catalyzed Annulation of 2-Aminoaryl Ketones with Alkynoates." *RSC Adv.* **2013**, *3*, 24034.

16. **Bagdi, A. K.,**, Majee, A., & Hajra, A. "Regioselective Synthesis of Pyrano[3,2-*c*]coumarins *via* Cu(II)-catalyzed Tandem Reaction." *Tetrahedron Lett.* **2013**, *54*, 3892.

17. Mitra, S.,**Bagdi, Avik Kumar,** Adinath Majee, and Alakananda Hajra*, "Nano Indium Oxide Catalyzed Tandem Cyclization of Amidine with Nitroolefin." *Tetrahedron Lett.* **2013**, *54*, 4982.**I**

18. Das, D., Maiti, P., **Bagdi , A. K.,** Ghosh, T., Chattopadhay, T., Das, S., Hajra, A., Majee, A., & Zangrando, E. "Synthesis, Structure and Catalytic Aspects of the Palladium(II)complex [PdCl](whereLH=2-formoyl-4-methyl Nethylpiperidineiminomethylphenol)." *Ind. J. Chem.* **2013,** *52A*, 863.**I**

19. Rahman, M., **Bagdi , A. K.,** Kundu, D., Majee, A.,& Hajra, A."Zwitterionic-Type Molten Salt-Catalyzed Multi-Component Reactions: One-Pot Synthesis of Substituted Imidazoles under Solvent-Free Conditions*." J. Het. Chem.* **2012,** *49*, 1224.

20. Rahman, M., **Bagdi , A. K.,** Majee, A., & Hajra,A. "Nano Indium Oxide Catalyzed Efficient Synthesis of Propargylamines *via* C-H and C-Cl Bond Activations*." Tetrahedron Lett.* **2011**, *52*, 4437. **(Highlighted in Synfacts issue 10th Oct, 2011, page-1140)**

21. Kundu, D., **Bagdi , A. K.,** Majee,A., &Hajra, A. "Zwitterionic-Type Molten Salt: A Mild and Efficient Organocatalyst for the Synthesis of 3- Aminoalkylated Indoles *via* Three-Component Coupling Reaction*." Synlett* **2011,** 1165.**Mat**

3. Dr. Rumpa Saha

1. **Saha, R.,** & Saha. B. Third type of close packing? Chemical Education and Industry (accepted).
2. Toxicity of Inorganic vanadium compounds. Ghosh, S. K. **Saha, R.,** & Saha. B. Res. Chem. Intermed. (Published online, DOI: 10.1007/s11164-013-1361-3)
3. Micellar effect on pentavalent vanadium oxidation of formaldehyde to formic acid in aqueous acid media at room temperature. Sar, P., Ghosh, A., **Saha, R.,** & Saha. B. Res. Chem. Intermed. (Published online DOI: 10.1007/s11164-014-1635-4)
4. A. Ghosh, **Saha**, **R.,** K. Mukherjee, S. K. Ghosh, P. Sar, S. Malik and B. Saha. Choice of suitable micellar catalyst for 2, 2'-bipyridine promoted chromic acid oxidation of glycerol to glyceraldehyde in aqueous media at room temperature. Res. Chem. Intermed. 41 (2015) 3057
5. S. K. Ghosh, A. Ghosh, **R. Saha** and B. Saha. Phys Suitable combination of promoter and micellar catalyst for chromic acid oxidation of formaldehyde to formic acid in aqueous acid media at room temperature.. Chem. Liq. 53 (2015) 146
6. D. Ghosh, **R. Saha**, A. Ghosh, R. Nandi and B. Saha. A Review on cadmium biosorption. Des. Wat. Treat. 53 (2015) 413
7. A. Ghosh, K. Sengupta, **R. Saha** and B. Saha.Effect of CPC micelle on N-hetero-aromatic base promoted room temperature permanganate oxidation of 2-butanol in aqueous medium. J. Mol. Liq. 198 (2014) 369
8. Effect of CHAPS and CPC micelles on Ir(III) catalyzed Ce(IV) oxidation of aliphatic alcohols at room temperature and pressure. A. Ghosh, **R. Saha** and B. Saha. J. Mol. Liq. 196 (2014) 223
9. K. Mukherjee, **R. Saha**, A. Ghosh, S. K. Ghosh, P. K. Maji and B. Saha.Surfactant-assisted bioremediation of hexavalent chromium by use of an aqueous extract of sugarcane bagasse. Res. Chem. Intermed. 40 (2014) 1727
10. **R. Saha** and B. Saha.Removal of hexavalent chromium from contaminated water by adsorption using mango leaves (*Mangifera indica*). Des. Wat. Treat. 52 (2014) 1928
11. **R. Saha**, A. Ghosh and B. Saha. Combination of best promoter and micellar catalyst for chromic acid oxidation of 1-butanol to 1-butanal in aqueous media at room temperature. Spectrochim. Acta Part A 124 (2014) 130
12. A. Basu, D. Saha, **R. Saha**, T. Ghosh and B. Saha. A review on sources, toxicity and remediation technologies for removing arsenic from drinking water. Res. Chem. Intermed. 40 (2014) 447
13. K. Mukherjee, A. Ghosh, **R. Saha**, P. Sar, S. Malik and B. Saha. Best combination of promoter and micellar catalyst for the rapid conversion of sorbitol to glucose. Spectrochim. Acta Part A 122 (2014) 204
14. A. Ghosh, **R. Saha**, K. Mukherjee, P. Sar, S. K. Ghosh, S. Malik, S. S. Bhattacharyya and B. Saha. Rate enhancement via micelle encapsulation for room temperature metal catalyzed Ce(IV) oxidation of p-chlorobenzaldehyde to p-chlorobenzoic acid in aqueous medium at atmospheric pressure. J. Mol. Liq. 190 (2014) 81
15. A. Ghosh, **R. Saha** and B. Saha. Suitable combination of promoter and micellar catalyst for kilo fold rate acceleration on propanol to propionaldehyde conversion in aqueous media. J. Ind. Eng. Chem. 20 (2014) 345
16. A. Ghosh, **R. Saha**, S. K. Ghosh, K. Mukherjee and B. Saha.Selection of suitable micellar catalyst for 1,10-phenanthroline promoted chromic acid oxidation of formic acid in aqueous media at room temperature. J. Kor. Chem. Soc. 57 (2013) 703

17. K. Mukherjee, S. K. Ghosh, R. Nandi, A. Ghosh, I. Saha, **R. Saha** and B. Saha. Selection of promoter and micellar catalyst for chromic acid oxidation of tartaric acid in aqueous medium at room temperature. Tenside. Surf. Det. 50 (2013) 441
18. C. Dey, **R. Saha**, S. K. Ghosh, A. Ghosh, K. Mukherjee, S. S. Bhattacharyya and B. Saha. A Review on Biphasic Hydroformylation for Long Chain Substrates. Res. Chem. Intermed. 39 (2013) 3463
19. **R. Saha**, A. Ghosh and B. Saha.Kinetics of micellar catalysis on oxidation of p-anisaldehyde to p-anisic acid in aqueous medium at room temperature. Chem. Eng. Sci. 99 (2013) 23
20. A. Ghosh, **R. Saha**, P. Sar and B. Saha.Rate enhancement via micelle encapsulation for room temperature metal catalyzed Ce(IV) oxidation of formaldehyde to formic acid in aqueous medium at atmospheric pressure: A kinetic approach. J. Mol. Liq. 186 (2013) 122
21. **R. Saha**, A. Ghosh, P. Sar, I. Saha, S. K. Ghosh, K. Mukherjee and B. Saha. Combination of best promoter and micellar catalyst for more than kilo-fold rate acceleration in favor of chromic acid oxidation of D-galactose to D-galactonic acid in aqueous media at room temperature. Spectrochim. Acta Part A 116 (2013) 524
22. A. Ghosh, **R. Saha**, K. Mukherjee, S. K. Ghosh and B. Saha. Suitable combination of promoter and micellar catalyst for kilo fold rate acceleration on benzaldehyde to benzoic acid conversion in aqueous media at room temperature: a kinetic approach. Spectrochim. Acta Part A. 109 (2013) 55
23. K. Mukherjee, **R. Saha**, A. Ghosh, S. K. Ghosh and B. Saha. Efficient combination of promoter and catalyst for chromic acid oxidation of propan-2-ol to acetone in aqueous acid media at room temperature. Spectrochim. Acta Part A. 101 (2013) 294
24. K. Mukherjee, **R. Saha**, A. Ghosh, S. K. Ghosh and B. Saha. Combination of best promoter and catalyst for hypervalent chromium oxidation of l-sorbose to lactone of C5 aldonic acid in aqueous media at room temperature. J. Mol. Liq. 179 (2013) 1
25. K. Mukherjee, **R. Saha**, A. Ghosh and B. Saha. Chromium removal technologies, Res. Chem. Intermed. 39 (2013) 2267
26. A. Ghosh, **R. Saha**, K. Mukhejee, S. K. Ghosh, S. S. Bhattacharyya, S. Laskar and B. Saha. Selection of suitable combination of nonfunctional micellar catalyst and hetero-aromatic nitrogen base as promoter for chromic acid oxidation of ethanol to acetaldehyde in aqueous medium at room temperature. Int. J. Chem. Kinet. 45 (2013) 175
27. A. Basu, S. K. Ghosh, **R. Saha**, A. Ghosh, K. Mukherjee and B. Saha.Micellar catalysis of chromic acid oxidation of methionine to industrially important methylthiol in aqueous media at room temperature. Tenside. Surf. Det. 50 (2013) 94
28. **R. Saha**, S. K. Ghosh, A. Ghosh, I. Saha, K. Mukherjee, A. Basu and B. Saha.Choice of a suitable hetero-aromatic nitrogen base as promoter for chromic acid oxidation of dl-mandelic acid in aqueous media at room temperature. Res. Chem. Intermed. 39 (2013) 631
29. A. Basu, S. K. Ghosh, **R. Saha**, A. Ghosh, K. Mukherjee, B. Saha. Combination of best promoter and micellar catalyst for chromic acid oxidation of D- mannitol to mannose in aqueous media. Tenside Surf. Det. 50 (2013) 249
30. **R. Saha**, K. Mukherjee, I. Saha, A. Ghosh, S. K. Ghosh and B. Saha. Removal of hexavalent chromium from water by adsorption using mosambi peel (*Citrus limetta*) Res. Chem. Intermed. 39 (2013) 2245
31. **R. Saha**, I. Saha, R. Nandi, A. Ghosh, A. Basu, S. K. Ghosh and B. Saha. Application of Chattim tree (Devil tree, *Alstonia scholaris*) saw dust as a biosorbent for removal of hexavalent chromium from aqueous solution. Can. J. Chem. Eng. 91 (2013) 814

32. S. K. Ghosh, **R. Saha**, A. Ghosh, K. Mukherjee, A. Basu, S. S. Bhattacharyya and B. Saha. Micellar catalysis on 1, 10 phenanthroline promoted chromic acid oxidation of ethane-1, 2-diol in aqueous media at room temperature. J. Kor. Chem. Soc. 56 (2012) 720
33. A. Basu, S. K. Ghosh, **R. Saha**, A. Ghosh, T. Ghosh, K. Mukherjee, S. S. Bhattacharyya and B. Saha. Kinetic studies of glutamic acid oxidation by hexavalent chromium in presence of surfactants. Tenside Surf. Det. 49 (2012) 481
34. S. K. Ghosh, **R. Saha**, A. Ghosh, K. Mukherjee and B. Saha. Micellar catalysis on 1, 10-phenanthroline promoted chromic acid oxidation of glycerol in aqueous media. Tenside Surf. Det. 49 (2012) 370
35. S. K. Ghosh, A. Ghosh, **R. Saha** and B. Saha. Micellar catalysis on pentavalent vanadium ion oxidation of ethanol in aqueous acid media. Tenside Surf. Det. 49 (2012) 296
36. Micellar catalysis on 1, 10-phenanthroline promoted chromic acid oxidation of propanol in aqueous media. S. K. Ghosh, **R. Saha**, K. Mukherjee, A. Ghosh, S. S. Bhattacharyya and B. Saha. J. Kor. Chem. Soc. 56 (2012) 164
37. S. K. Ghosh, A. Basu, **R. Saha**, R. Nandi and B. Saha. Kinetics and Mechanism of 2, 2'- Bipyridyl Catalysed Chromium(VI) oxidation of Formic Acid in the presence and absence of surfactants. Current Inorg. Chem. 2 (2012) 86
38. S. K. Ghosh, A. Basu, **R. Saha**, A. Ghosh, K. Mukherjee and B. Saha.Micellar catalysis on picolinic acid promoted hexavalent chromium oxidation of glycerol. J. Coord. Chem. 65 (2012) 1158

39. Ghosh, A., **Saha**, **R.,** Mukherjee, K., Ghosh, S. K., Bhattacharyya S. S., & Saha. B. Micellar catalysis on 1, 10-phenanthroline promoted chromic acid oxidation of propan-2-ol in aqueous media. J. Chem. Res. 36 (2012) 347

40. Basu, A., Ghosh, S. K., **Saha**, **R.,** Nandi, R., Ghosh, T. & Saha. B. Effect of some non functional surfactants and electrolytes on the hexavalent chromium reduction by glycerol: A mechanistic study. Tenside Surf. Det. 48 (2011) 453.

41. **Saha**, **R.,** Ghosh A., & Saha. B. Micellar catalysis on 1, 10-phenanthroline promoted hexavalent chromium oxidation of ethanol. J. Coord. Chem. 64 (2011) 3729.

42. **Saha**, **R.,** Nandi, R., & Saha. B. Sources and toxicity of hexavalent chromium. J. Coord. Chem. 64 (2011) 1782

4. Sasadhar Majhi

1. Brahmachari, G., Mandal, L. C., Roy, R., Jash, S. K., Mondal, A., **Majhi**, **S.,** Gorai, D. (**2011):** *"Lupeol, a pharmaceutically potent triterpenoid, from the ripe fruits of Rauvolfia Tetraphylla (Apocynaceae)," J. Indian Chem. Soc., 88,* 303-305.

2. Brahmachari, G., Mandal, N.C., Jash, S. K., Roy, R., Mandal, L. C., Mukhopadhyay, A., Behera, B., **Majhi**, **S.,** Mondal, A., Gangopadhyay, A. (**2011)**: "*Evaluation of the Antimicrobial Potential of Two Flavonoids isolated from Limnophilla Plants", Chemistry and Biodiversity,8,* 1139-1151.

3. Brahmachari, G., Mandal, L. C., Gorai, D., Mondal, A., S., Sarkar, S., **Majhi**, **S. (**2011): "*a new labdane diterpene from Rauvolfia tetraphylla Linn.(Apocynaceae)," Journal of Chemical Research*, 678-680.

4. Gorai, D., Jash, S. K., Singh, R. K., Sarkar, A., & and **Majhi, S.** (2013): "*Chemical and pharmacological aspects of Limnophila rugosa: An update, "* International Journal of Natural Products Research 3(4): 120-124.

5. Jash, S. K., Singh, R. K., **Majhi , S.,** Sarkar A., & Gorai, D. (2014): "*Peltophorum Pterocarpum : Chemical and Pharmacological Aspects," International Journal of Pharmaceutical Sciences and Research , 5(1): 26-36.*

6. **Majhi, S.** '' *Neomangiferin: Semi-synthesis and antidiabetic* potential'',

5.SISIR LOHAR

1. Babli Kumari, **Sisir Lohar**, Sangita Adhikari, Archya Sengupta, Ansuman Chattopadhyay, Paula Brandão, Vítor Félix and Debasis Das Rhodamine derived colorimetric and fluorescence mercury (II) chemodosimeter for human breast cancer cell (MCF7) imaging. (2015) *RSC Adv.*, 5**,** 21797-21802.
2. **Sisir Lohar,** Archya Sengupta, Ansuman Chattopadhyay, Jesús Sanmartín Matalobos and Debasis Das. Structurally Characterized Antipyrine-Based Dual Fluorescent Probe: Enhanced Al^{III} Selectivity of a Dinuclear Zn^{II} Complex for Intracellular Sensing by a Displacement Approach. ***Eur. J. Inorg. Chem***., 2014, 5675-5682.
3. Sangita Adhikari, Abhijit Ghosh, Sandip Mandal, Archya Sengupta, Ansuman Chattopadhyay, Jesús Sanmartín Matalobos, **Sisir Lohar** and Debasis Das Visible light excitable ON fluorescence and naked eye detection of Cu^{2+} via hydrolysis of rhodamine–thiophene conjugate: human breast cancer cell (MCF7) imaging studies.. ***Dalton Trans***., 2014, 43, 7747-7751.
4. Sudipta Das, Arnab Banerjee, **Sisir Lohar**, Bidisha Sarkar, Subhra Kanti Mukhopadhyay, Jesus Sanmartin and Animesh Sahana, Debasis Das**.** 2-(2-Pyridyl) benzimidazole based ternary Mn(II) complex as arsenate selective turn-on fluorescence probe: ppb level determination and cell imaging studies. *New J. Chem.***,** 2014, 38, 2744-2747.
5. Sudipta Das, Animesh Sahana, **Sisir Lohar**, Bidisha Sarkar, Subhra Kanti Mukhopadhya, Arnab Banerjee and Debasis Das. A visible light excitable pyrene–naphthalene conjugate for ON fluorescence sensing of histidine in living cells. *RSC Adv.***,** 2014**,** 4**,** 7495-7499.
6. **Sisir Lohar**, Animesh Sahana, Arnab Banerjee, Amarnath Chattopadhyay, Subhra Kanti Mukhopadhyay, Jesús Sanmartín Matalobos, Debasis Das.Aluminum(III) induced green luminescence for naked eye detection: Experimental and computational studies**.** ***Inorganica Chimica Acta,*** 2014, 412, 67-72.
7. **Sisir Lohar** , Arnab Banerjee , Animesh Sahana , Sukanya Panja , Ipsit Hauli , Subhra Kanti Mukhopadhyay and Debasis Das. Selective fluorescence and naked eye detection of histidine in aqueous medium via hydrogen bonding assisted Schiff base condensation. ***Tetrahedron Letters***, 2014, 55, 174-176.
8. Visible Light Excitable Fluorescence Probe and its Functionalized Merrifield Polymer: Selective Sensing and Removal of Arsenate from Real Samples. Arnab Banerjee, Animesh Sahana, **Sisir Lohar**, Sukanya Panja and Subhra Kanti Mukhopadhyay and Debasis Das. ***RSC Adv.,*** 2014, **4**, 3887-3892.
9. Arnab Banerjee, Animesh Sahana, Sudipta Das, **Sisir Lohar**, Bidisha Sarkar, Subhra Kanti Mukhopadhyay, Jesús Sanmartín Matalobos and Debasis Das. An INHIBIT logic gate from thiophene derivative using iron and zinc ions as input: Tuning the efficiency on moving from naphthalene to anthracene to pyrene for green luminescent detection of intracellular iron. ***Dalton Trans.***, 2013, 42(46), 16387-16395.

10. Arnab Banerjee, **Sisir Lohar**, Avishek Banik, Subhra Kanti Mukhopadhyay, Damir A. Safin, Maria G. Babashkina, Michael Bolte, Yann Garcia and Debasis Das. FRET based tri-color emissive rhodamine–pyrene conjugate as an Al^{3+} selective colorimetric and fluorescence sensor for living cell imaging. Animesh Sahana, *Dalton Trans.***,** 2013, 42, 13311-13314.
11. Sandip Mandal, Arnab Banerjee, **Sisir Lohar**, Amarnath Chattopadhyay,Bidisha Sarkar, Subhra Kanti Mukhopadhyay, Animesh Sahana and Debasis Das. Selective sensing of Hg^{2+} using rhodamine–thiophene conjugate: Red light emission and visual detection of intracellular Hg^{2+} at nanomolar level. ***J. Haz. Mater***., 2013, 261, 198-205.
12. Animesh Sahana, Arnab Banerjee, **Sisir Lohar**, Sukanya Panja, Subhra Kanti Mukhopadhyay, Jesus Sanmartin and Debasis Das. Fluorescence sensing of arsenate at nanomolar level in a greener way: Naphthalene based probe for living cell imaging, ***Chem. Commun***., 2013, **49**, 7231-7233.
13. Arnab Banerjee, Animesh Sahana, **Sisir Lohar**, Bidisha Sarkar, Subhra Kanti Mukhopadhyay and Debasis Das.A FRET operated sensor for intracellular pH mapping: strategically improved efficiency on moving from an anthracene to a naphthalene derivative, ***RSC Adv***., 2013, **3**, 14397-14405 .
14. Animesh Sahana, Arnab Banerjee, **Sisir Lohar**, Amarnath Chottapadhyay, Subhra Kanti Mukhopadhyay and Debasis Das. Lighting of a rhodamine-based fluorescent lamp using ClO_4^- as a connector: detection by the naked eye and cell imaging studies of trace amounts of ClO_4^- ions, ***RSC Adv.***, 2013, 3(33), 14044-14047.
15. Subarna Guha, **Sisir Lohar**, Animesh Sahana, Arnab Banerjee, Damir A. Safin, Maria G. Babashkina, Mariusz P. Mitoraj, Michael Bolte, Yann Garcia, Subhra Kanti Mukhopadhyay and Debasis Das.A coumarin-based "turn-on" fluorescent sensor for the determination of Al^{3+}: single crystal X-ray structure and cell staining properties, ***Dalton Trans.***, 2013, 42, 10198-10207.
16. Debasis Karak, Sudipta Das, **Sisir Lohar,** Arnab Banerjee, Animesh Sahana, Ipsit Hauli, Subhra Kanti Mukhopadhyay, Damir A. Safin, Maria G. Babashkina, Michael Bolte, Yann Garcia and Debasis Das.Naphthalene-thiophene hybrid molecule as a fluorescent AND logic gate with Zn^{2+} and OAc^- ions as inputs: Cell imaging and computational studies, ***Dalton Trans***., 2013, 42, 6708-6715.
17. Animesh Sahana, Arnab Banerjee, **Sisir Lohar**, Bidisha Sarkar, Subhra Kanti Mukhopadhyay and Debasis Das. A Rhodamine Based Fluorescent Probe for Al^{3+} Through Time Dependent PET-CHEF-FRET Processes and its Cell Staining Application, ***Inorg. Chem.***, 2013, 52(7), 3627-3633.
18. Arnab Banerjee, Animesh Sahana, **Sisir Lohar**, Ipsit Hauli, Subhra Kanti Mukhopadhyay, Damir A. Safin, Maria G. Babashkina, Michael Bolte, Yann Garcia and Debasis Das. Rhodamine derivative as "lock" and SCN^- as "key": Visible light excitable SCN^- sensing in living cell, ***Chem Commun***., 2013, 49, 2527-2529.
19. Sudipta Das, Animesh Sahana, Arnab Banerjee, **Sisir Lohar**, Damir A. Safin, Maria G. Babashkina, Michael Bolte, Yann Garcia, Subhra Kanti Mukhopadhyay and Debasis Das. Ratiometric fluorescence sensing and intracellular imaging of Al^{3+} ion driven by an intramolecular excimer formation of a pyrimidine-pyrene scaffold, ***Dalton Trans.***, 2013, 42, 4757-4763.
20. **Sisir Lohar** , Animesh Sahana , Arnab Banerjee, Avishek Banik , Subhra Kanti Mukhopadhyay , Jesus Sanmartin and Debasis Das, Antipyrine Based Arsenate Selective Fluorescent Probe for Living Cell Imaging, ***Anal. Chem.***, 2013, 85(3), 1778-1783.

21. Animesh Sahana, Arnab Banerjee, **Sisir Lohar,** Sudipta Das, **Jesús Sanmartín Matalobos** and Debasis Das. Naphthalene based highly selective OFF-ON-OFF type fluorescent probe for Al^{3+} and NO_2^- ions for living cell imaging at physiological pH, ***Inorg. Chim. Acta***, 2013, 398, 64-71.
22. **Sisir Lohar**, Arnab Banerjee, Animesh Sahana, Subhra Kanti Mukhopadhyay and Debasis Das. A Rhodamine-Naphthalene Conjugate as a FRET Based Sensor for Cr^{3+} and Fe^{3+} With Cell Staining Application, ***Anal Methods***, 2013, 5, 442.
23. Debasis Karak, Arnab Banerjee, **Sisir Lohar**, Animesh Sahana, Subhra Kanti Mukhopadhyay, Bidisha Sarkar, Sushanta. S. Adhikari and Debasis Das.Xanthone based Pb^{2+} selective turn on fluorescent probe for living cell staining, ***Anal Methods***, 2013, 5(1), 169-172.
24. Raja Saha, Animesh Sahana, **Sisir Lohar,** Arnab Banerjee, Sudipta Das and Debasis Das. Thiocyanate mediated chelation assisted solid phase enrichment of Cu(II) using pyridine derivative with X-ray crystallographic evidence, ***Chem. Engg. Commun.*** 2013, 200, 638-654.
25. **Sisir Lohar**, Debasis Karak, Subarna Guha, Arnab Banerjee, Animesh Sahana and Debasis Das. Spectroscopic studies of a new multi-element sensitive fluorescent probe derived from 2-(2-pyridyl)benzimidazole: Selective discrimination of Zn^{2+} from its congeners, ***Spectroscopy Letteres,*** 2013, 46, 28-35.
26. Debasis Karak, **Sisir Lohar**, Arnab Banerjee, Animesh Sahana, Ipsit Hauli, Subhra Kanti Mukhopadhyay, **Jesús Sanmartín Matalobos** and Debasis Das. Interaction of soft donor sites with a hard metal ion: Crystallographically characterized blue emitting fluorescent probe for Al(III) with cell staining studies, ***RSC Advance***, 2012, 2, 12447-12454.
27. Arnab Banerjee, Animesh Sahana, Subarna Guha, **Sisir Lohar**, Ipsit Hauli, Subhra Kanti Mukhopadhyay, **Jesús Sanmartín Matalobos** and Debasis Das. Ni(II) induced excimer formation of a naphthalene based fluorescent probe for living cell imaging, ***Inorg. Chem.***, 2012, 51, 5699-5704.
28. Sudipta Das, Debasis Karak, **Sisir Lohar**, Arnab Banerjee, Animesh Sahana and Debasis Das. Interaction of a naphthalene based fluorescent probe with Al^{3+}: Experimental and computational studies, ***Anal Methods***, 2012, 4, 3620-3624.
29. Subarna Guha, **Sisir Lohar**, Arnab Banerjee, Animesh Sahana, **Subhra Kanti Mukhopadhyay, Jesús Sanmartín Matalobos** and Debasis Das Anthracene appended coumarin derivative as a Cr (III) selective turn-on fluorescent probe for living cell imaging: A green approach towards speciation studies,. ***Anal Methods***, 2012, 4(10), 3163-3168.
30. Animesh Sahana , Arnab Banerjee , **Sisir Lohar**, Subarna Guha, Sudipta Das, Subhra Kanti Mukhopadhyay and Debasis Das. Cd(II) triggered excimer-monomer conversion of a pyrene derivative: Time dependent red-shift of monomer emission with cell staining application, ***Analyst***, 2012, 137, 3910-3913.
31. Sudipta Das, Animesh Sahana, Arnab Banerjee, **Sisir Lohar**, Subarna Guha, **Jesús Sanmartín Matalobos** and Debasis Das. Thiophene anchored naphthalene derivative: Cr^{3+} selective turn-on fluorescent probe for living cell imaging, ***Anal Methods***, 2012, 4, 2254.
32. Debasis Karak, **Sisir Lohar**, Animesh Sahana, Subarna Guha, Arnab Banerjee and Debasis Das. Al^{3+} induced green luminescent fluorescent probe for cell imaging and naked eye detection, ***Anal Methods***, 2012, 4, 1906-1908.
33. Subarna Guha, **Sisir Lohar**, Michael Bolte, Damir A. Safin and Debasis Das. Crystal structure and interaction of 6-amino coumarin with nitrite ion for its selective detection, ***Spectroscopy Letters***, 2012, 45, 225-235.

34. Animesh Sahana, Arnab Banerjee, Subarna Guha, **Sisir Lohar**, Amarnath Chattopadhyay, Subhra Kanti Mukhopadhyay and Debasis Das. Highly selective organic fluorescent probe for azide ion: Formation of a "Molecular Ring", ***Analyst***, 2012, 137, 1544.
35. Arnab Banerjee, Animesh Sahana, Sudipta Das, **Sisir Lohar**, Subarna Guha, Bidisha Sarkar, Subhra Kanti Mukhopadhyay, Asok K Mukherjee and Debasis Das.A naphthalene exciplex based Al^{3+} selective on-type fluorescent probe for living cell at physiological pH range: Experimental and computational studies, ***Analyst***, 2012, 137, 2166.
36. Subarna Guha, **Sisir Lohar**, Arnab Banerjee, Animesh Sahana, Amarnath Chaterjee, Subhra Kanti Mukherjee, Jesús Sanmartín Matalobos and Debasis Das.Thiophene anchored coumarin derivative as a turn-on fluorescent probe for Cr^{3+}: Cell imaging and speciation studies, ***Talanta***, 2012, 91, 18**.**
37. Sudipta Das, Subarna Guha, Arnab Banerjee, **Sisir Lohar**, Animesh Sahana and Debasis Das.2-(2-Pyridyl) benzimidazole based Co(II) complex as an efficient fluorescent probe for trace level determination of aspartic and glutamic acid in aqueous solution: A displacement approach, ***Org. Biomol. Chem.***, 2011, 9, 7097-7104.
38. Subarna Guha, **Sisir Lohar**, Ipsit Hauli, Subhra K. Mukhopadhyay and Debasis Das. Vanillin-coumarin hybrid molecule as an efficient fluorescent probe for trace level determination of Hg(II) and its application in cell imaging, ***Talanta,*** 2011, 85, 1658-1664.
39. Animesh Sahana, Arnab Banerjee, Sudipta Das, **Sisir Lohar**, Debasis Karak, Bidisha Sarkar, Subhra Kanti Mukhopadhyay, Asok K. Mukherjee and Debasis Das. A naphthalene-based Al^{3+} selective fluorescent sensor for living cell imaging, ***Org. Biomol. Chem.***, 2011**,** 9, 5523-5529**.**
40. Debasis Karak, Arnab Banerjee, Animesh Sahana, Subarna Guha, **Sisir Lohar**, Susanta Sekhar Adhikary and Debasis Das.9-Acridone-4-carboxylic acid as an efficient Cr(III) fluorescent sensor: Trace level detection, estimation and speciation studies, ***J. Haz. Mater.***, 2011, 188, 274-280
41. Arnab Banerjee, Debasis Karak, Animesh Sahana, Subarno Guha, **Sisir Lohar** and Debasis Das Methionine-pyrene hybrid based fluorescent probe for trace level detection and estimation of Hg(II) in aqueous environmental samples: Experimental and computational studies,. ***J. Haz. Mater***., 2011, 186, 738-744.
42. Animesh Sahana, Sudipta Das, Arnab Banerjee, **Sisir Lohar**, Debasis Karak and Debasis Das.Pyridine appended L-methionine: A novel chelating resin for pH dependent Cr speciation with Scanning Electron Microscopic evidence and monitoring of yeast mediated green bio-reduction of Cr(VI) to Cr(III) in environmental samples, ***J. Haz. Mater***., 2011, 185, 1448-1457.

6. Dr. RITAM MUKHERJEE

1. Dhar, B. B., Mukherjee, R., & Gould, E.S. Electron transfer. Part 169 [1]. Delayed reduction of mononuclear manganeses (IV) using vanadium (III).*Inorganica Chimica Acta*, 2011, **365,** 232-234.

PHYSIOLOGY

1.Arunabha Bandyopadhyay

Publication:

1. Bandyopadhyay, A., Dev, S., & Gangopadhyay, S., A Study on the Prevalence of Musculo-skeletal Disorder among Coalminers of Eastern Coalfields of India; International Journal of Occupational Safety and Health: vol 2, no 2 (2012).

ELECTRONICS

NIRMAL KUMAR SARKAR

LIST OF PUBLICATIONS:

1. Sarkar ,B. C. & Sarkar, N. A New Phase Tracking Loop for Burst Synchronization:

PHYSICS

Dr.Sandip Sen

List of publications:

1. Entanglement of mixed quantum states for qubits and qudit in double photoionization of atoms Chakraborty M., & Sen, S.Phys. Rev. A (**American Physical Society**, **USA**), submitted 2015, (Referee suggested for modification).

2. Entanglement dynamics for qubit and qudit in double photoionization of atoms Chakraborty M., & Sen, S Proceedings of the **2nd International Conference on Computing & Systems (ICCS),** 2013, p. 94-100.

3. Mobile phone radiations: A threat to human rights through serious health hazards Sen, S.Proceedings of the **UGC sponsored National Seminar on *Human rights& Human Development***
(ISBN NO. : 78-81-923765-1-6), 2012, p.135-141.

4. Artificial Photosynthesis, an emerging technology for renewable energy
Sen, S. Proceedings of the **UGC sponsored National Seminar on *FUTURE OF CIVILIZATION: RECENT***
TRENDS IN ENERGY RESEARCH, 2011, p. 47 – 54.

5. Photoelectron spectroscopy of rotationally state selected and oriented molecules: Theory for angular distribution of spin polalized photoelectrons
Sen, S. &Chakraborty M. Proceedinds of the **International conference on *LASER, MATERIALS SCIENCE & COMMNITION,***
2011, p.115 -117.

GEOLOGY

Sumanta Mallick

Publications (Referred Journals):

1. Bardhan, S., Ghosh, T., Mondal, S., Roy, A. and **Mallick, S**. 2011. The Holocene Sea level Changes as evidenced from Palaeontological proxy data: a case study from *Glauconome sculpta* (Bivalvia) along the eastern coast of India. Palaeoworld (ISSN/ISBN : 1871-174X), Volume 20, 92 – 97.

2. Bardhan, S., Chattopadhyay, D., Mondal, S., Das, S., **Mallick, S.**, Roy, A. and Chanda, P. 2012. Record of intense predatory drilling from Upper Jurassic bivalves of Kutch, India: Implications for the history of biotic interaction. Palaeogeography Palaeoclimatology Palaeoecology (ISSN/ISBN : 0031-0182), Volume 317 – 318, 153 – 161.

3. Bardhan, S., Dutta, R., Chanda, P. and **Mallick, S.** 2012. Systematic revision and sexual dimorphism in *Choffatia* (Ammonoidea: Perisphinctoidea) from the Callovian of Kutch, India. Palaeoworld (ISSN/ISBN : 1871-174X), Volume 21 (1), 29 – 49.

4. Roy, A., Bardhan, S., Das, S., Mondal, S and **Mallick, S.** 2012. Systematic revision and Palaeobiogeography of *Perisphinctes indogermanus* (Ammonoidea) from the Oxfordian of Kutch, India: Stratigraphic and Evolutionary Implications. Palaeoworld (ISSN/ISBN : 1871-174X), Volume 21 (3 – 4), 167 – 192.

5. **Mallick, S.**, Bardhan, S., Paul, S., Mukherjee, S., Das, S.S. 2013. Intense naticid drilling predation on turritelline gastropods from the K – T boundary at Rajahmundry, India. Palaios (ISSN/ISBN : 0883-1351), Volume 28 (10), 683 – 696.

6. Bardhan, S., **Mallick, S.** and Das, S. S. 2014. Palaeobiogeographic constraints on drilling gastropod predation: a case study from the MioceneKhari Nadi Formation in Kutch, Gujarat. Journal of the Palaeontological Society of India - special publication (ISBN : 978-81-926033-2-2), Volume 5, 205 – 213.

7. **Mallick, S.**, Bardhan, S., Das, S. S., Paul, S. and Goswami, P. Naticid Drilling Predation on Gastropod Assemblages across the K-T boundary in Rajahmundry, India: A New Light on Escalation Hypothesis. Palaeogeography Palaeoclimatology Palaeoecology (ISSN/ISBN : 0031-0182), Volume 411, 216 – 228.

8. Mondal, S., Bardhan, S., **Mallick, S.** and Roy, A. 2014. Repair scars on *Mactra violacea* from the wastern coast of India: a new classification and a model for describing shell breakage on bivalves. Palaeontologia Electronica (palaeo-electronica.org/content/2014/990-repair-on-mactra-violacea).

ZOOLOGY

MATHEMATICS

DR. SHIBDAS DHOLEY

1. Mahapatra, T. R., **Dholey** S**.,** & Gupta, A. S. Magnetohydrodynamic laminar flow of a viscous fluid in a converging and diverging channel with suction at one wall and equal blowing at the other wall; GUMA *: 2010, 11, 1-20*.
2. **Dholey S.,** & Gupta, A. S. Unsteady separated stagnation-point flow of an incompressible viscous fluid on the surface of a moving porous plate; Physics of Fluids : 2013, 25, 023601
3. **Dholey, S.** Effect of radial temperature gradient on the stability of magnetohydrodynamic Dean flow in an annular channel at highmagnetic parameter;: ASME Journal of Fluids Engineering , 2014, 137(3).

PRAKASH KUMAR DAS

1. Das, P.K.,& M.M. Panja, An Improved Adomian Decomposition Method for Nonlinear ODEs, S. Sarkar et al. (eds.), *Applied Mathematics*, Springer Proceedings in Mathematics & Statistics, (2015),146, 193-201; DOI 10.1007/978-81-322-2547-8_18.

PARTHA MANDAL

Bagchi,B., Banerjee A.,& Mandal, P. 2015, A generalized Swanson Hamiltonian in a second-derivative pseudo-supersymmetric framework, International Journal of Modern Physics A 30, 1-15, DOI: 10.1142/S0217751X15500372.

Geography

1. Dr. Sarbendu Bikash Dhar

1. Dhar, S. B. and Basu, R. 2011: Sex Composition of Non-Migrants and Migrants in Kolkata Metropolitan Area, *Geographical Review of India*, Kolkata, (ISSN: 0375-6386), Vol.: 73, No.: 02, pp. 160-174.
2. Dhar, S. B., 2011: Expansion of Three Dimensional Landuse and Its Consequences: A Case Study of Panihati Municipality, Ward No.: 08, *Indian Journal of Landscape System and Ecological Studies*, Kolkata, (ISSN: 0971-4170), Vol.: 34, No.: 02, pp. 41-46.
3. Basu, R. And Dhar, S. B., 2012: In-migration, Commutation and Urban Sprawl: A Case of Kolkata Metropolitan Area, *Spaces and Flows: An International Journal of Urban and Extra-Urban Studies*, Illinois, USA, (p-ISSN: 2154-8676 and e-ISSN: 2154-8684), ISBN: 978-1-61229-300-4, Vol:3, Issue: 3, pp. 59-77.
4. Dhar, S. B., 2013: Human Development and Nature of Internal Migration in India: A Spatial Analysis, *Indian Journal of Landscape System and Ecological Studies*, Kolkata, (ISSN: 0971-4170), Vol.: 36, No.: 01, pp. 01-06.
5. Dhar, S. B., 2013: Recent Trend of Population Growth in Kolkata Municipal Corporation Area, *Geographical Review of India*, Kolkata, (ISSN: 0375-6386), Vol.: 75, No.: 02, pp. 181-196.

6. Dhar, S.B., 2014: Influence of River Ganga on the Urban Process in Kolkata Metropolitan Area, *International Organisation of Scientific Research – Journal of Humanities and Social Science (IOSR-JHSS), Gaziabad, India, (e-ISSN: 2279-0837 and p-ISSN: 2279-0845), Vol.:19, Issue:9 (Version:VI), pp. 60-67.*
7. Dhar, S.B., 2014: Nature of In-migration in Top Three Megacities of India, *Indian Journal of Applied Research, Ahmedabad, India, Vol.* 4, Issue. 11, (ISSN: 2249-555X), GIF: 2.1652, pp. 18-20.

2. Dipankar Oraw

1.Workforce migration, remittance and its impact on socio-economic transformation
Dipankar Oraw
Practising Geographer (**ISSN No.** - 0975-3850, p.p. 244-254, **Issue** - Winter-2011)

2. Uses of ground water and its artificial recharges
Dipankar Oraw
Practising Geographer (**ISSN No.** - 0975-3850, p.p. 12-26, **Issue** - Winter-2012)

3. Analysis of spatial distribution of population and socio-economic facilities
Dipankar Oraw & Md. Julfikar Ali
Indian Journal of Landscape system and Ecological Studies (**ISSN No.** - 0971-4170, p.p. 561-568, **Issue** - June-2011)

4. Street children and child labour, fact and issue
Dipankar Oraw
Indian Journal of Landscape system and Ecological Studies(**ISSN No.** - 0971-4170, p.p.693-700, **Issue** - December-2011)

5 Socio-economic impact of alcohol in tribal society
Dipankar Oraw
Indian Journal of Landscape system and Ecological Studies(**ISSN No.** - 0971-4170, p.p. 487-496 **Issue**- June-2012)

6. Status and empowerment of women in tribal society
Dipankar Oraw
Geo-Analyst (**ISSN No**- 2249-2909, p.p.- 40-48, **Issue**- December-2012)

7. Importance of wetlands
Dipankar Oraw
International Journal of Current Research (**ISSN No**- 0975-833X, p.p.- 277-281, **Issue**- October- 2012)

8. Socio-cultural tradition and women education in tribal society
Dipankar Oraw & Daly Toppo
International Journal of Current Research(**ISSN No**- 0975-833X, p.p.- 307-312, **Issue**- December-2012)

3.4.4 Details (if any) of

*research awards received by the faculty

Dr.Subrata Chakraborty, Assistant Professor in The Department of Botany was conferred Young Scientist Award by Indian Science Congress Association in 87th session held at Pune University in the year 2000.

*recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

None.

*incentives given to faculty for receiving state, national andinternational recognitions for research contributions

None.

Economics:

1. Kaberi Pal
i) Pal, K. 'Status of Health in the District of Purulia: A Block Level Study', in Pranab Kumar Chattopadhyay (ed.), **Inclusion and Empowerment:** *Essays on some Aspects of Rural Development*, New Delhi Publishers, New Delhi. (2013), ISBN : 978-93-81274-39-2

Ii) Pal K. ' Education and Women in A Backward Region of West Bengal' , in Pranab Kumar Chattopadhyay (ed.), **Some Empirical Aspects of Economic Growth and Diversification In India's Emerging Economy,** New Delhi Publishers, New Delhi. (2014), ISBN : 978-93-81274-54-5

iii) Pal, K. 'Institutional Delivery, Maternal Mortality and Child Health: A Study of Purulia District In West-Bengal', in Pranab Kumar Chattopadhyay (ed.), **Growth and Diversification**: *Aspects of Rural Development*, New Delhi Publishers, New Delhi. (2014), ISBN : 978-93-81274-78-1

HINDI

1. **Ganesh Rajak**

Publications (Referred Journals):

1.Shodh Dristi , ISSN : 0976-6650, Vol. 3 , No. 4 , April - June 2012, Published by- Srijan Samiti Varanasi.
Title – Sthayee Pida Ka Asthayee Vikalp : Mahapran Nirala

2. Satyam Shiyam Sundaram, ISBN : 978-81 – 924572-0-8, May 2012, Published by- Siddhaprakashana, Srinagar, Dharwad- 580003, Karnataka.

Title – Tagore and Ashram Ideal of Education.

3. Vaichariki, ISSN : 2229-8907, Vol. II, ISSUE.4 , December 2012, Published by- Veer Bahadur Seva Sanstha, Branch Office – Tara Nagar Colony, Chhittupur, (BHU), Varanasi – 221005.
Title – Harishankar Parasai Ka Rajnaitik Vyangya.

4. Jigyasa, ISSN : 0974-7648, Vol. V, No. 4, December 2012, Published by – Poddar Foundation, Tara nagar colony, Chhittupur, (BHU) , Varanasi.

Title – Harishankar Parasai Ke Vyangya Ke Samajik Pristhbhumi.

3. MAHENDRA PRASAD KUSHWAHA

11. ARTICLE PUBLISHED/ UNDER PUBLICATION :

12 . RESEARCH PAPER PUBLISHED/ UNDER PUBLICATION :

S.N.	RESEARCH PAPER	MAGAGINE/ BOOK	VOLU -ME	YEAR	EDITOR	PUBLISHER
1.	SAHITYA AUR SAHITYA KA MARMA :AACHARYA HAZARIPRASAD DWIVEDI KI DRISTI MEIN	VIKSHA (½ YLY) ISSN 0975-3788	1	JAN.-JUNE 2009	DR.SADANAND SAHI & BRIJRAJ KUMAR SINGH	LOKAYAT PRAKASHAN , VARANASI
2.	PROF.RAVINDRANATH SHRIVASTAVA KI DRISTI MEIN ANUPRYUKTA BHASHA VIGYAN	VIKSHA (½ YLY) ISSN 0975-3788	2	JULY-DEC 2009	DR.SADANAND SAHI & BRIJRAJ KUMAR SINGH	LOKAYAT PRAKASHAN , VARANASI
3.	PREMSHANKAR KI DRISTI MEIN MUKTIBODH	MANVIKI (½ YLY) ISSN 0975-7880	2	JULY-DEC 2010	DR.R.N.SINGH	SOCIETY FOR EDUCATION AND SOCIAL WALFARE, VARANASI
4.	MAHADEVI KA SAHITYA : STRI VEDANA KA AAKHYAAN	SAMBHAASHYA ISSN 2229-4066	4 NO-2	JULY-DEC, 2012	DR. GYANPRAKASH CHAUBEY & DR. RAVIKANT RAI	AKHIL BHARATIYA SAHITYA SAMANVYA SAMITI, VARANASI, UP
5.	AALOCHANA AUR AALOCHANA KA DHARMA : RAMSWARUP CHATURVEDI KI DRISTI MEIN	MANVIKI (½ YLY) ISSN 0975-7880	2	JAN-JUNE 2011	DR.R.N.SINGH	SOCIETY FOR EDUCATION AND SOCIAL WALFARE, VARANASI

S.N.	RESEARCH PAPER	MAGAGINE/ BOOK	VOLU -ME	YEAR	EDITOR	PUBLISHER
6.	BHASHA AUR SAMVEDANA KE KUSHAL PARKHI : RAMSWARUP CHATURVEDI	ANUSHILAN (MONTHLY) ISSN 0973-8762	XXXV I	2011	MUKUL RAJ MEHTA	DEPTT.OF PHILOSPHY & RELIGION, FACULTY OF ARTS, BHU, VARANASI
7.	HINDI NAWJAGRAN AUR CHHAYAVADI KAVYA	MANVIKI (½ YLY) ISSN 0975-7880	UNDER PUBLICATION		DR. R.N.SINGH	SOCIETY FOR EDUCATION AND SOCIAL WALFARE, VARANASI
8.	SWATANTYOTTAR HINDI AALOCHANA AUR RAMVILAS SHARMA	SAMBHAASHYA ISSN 2229-4066	UNDER PUBLICATION		DR. GYANPRAKASH CHAUBEY & DR. RAVIKANT RAI	AKHIL BHARATIYA SAHITYA SAMANVYA SAMITI, VARANASI, UP

13. INTERVIEW : WITH BALSAURY REDDY
HINDI AUR TELUGU MERE DO NAYAN SAMAN HAIN : BALSAURY REDDY
MAGAGINE : **WANGMAY** ; JANUARY, 2009 ALIGARHA(U.P)
EDITOR - DR. M. FIROJ AHAMAD

14. SEMINAR/ SYMPOSIA/CONFERENCE/WORKSHOP ATTENDED :

S. N.	TITLE OF THE SEMINAR	TITLE OF THE PAPER PRESENTED	ORGANISING INSTITUTION	DURATION & PLACE	NATIONAL/ INTERNATIO-NAL/ STATE/ UNIVERSITY LEVEL
	CHHAYAVAD : MULYANKAN KE NAYE PARIPREKSHYA	HINDI NAWJAGARAN AUR CHHAYAVADI KAVYA	B.B.COLLEGE, ASANSOL	19-20 NOV, 2011 ASANSOL, WB	NATIONAL
8.	DR. RAMVILAS SHARMA : SRIJAN SAMVAD	HINDI JAATI KEE AWADHAARANA AUR RAMVILAS SHARMA	RANI BIRALA GIRLS COLLEGE & COLLEGE OF COMMERCE, KOLKATA, WB	02-03 MARCH, 2012 KOLKATA	NATIONAL
9.	VISHWA PARIDRISHYA MEIN HINDI	HINDI VIGYAN PATRAKARITA : AAWASHYAKATA AUR SAMBHAWANAYEN	DEPPT. OF HINDI, V.B.U., HAZARIBAG, JHARKHAND	17 MARCH, 2012 HAZARIB-AG	NATIONAL

S. N.	TITLE OF THE SEMINAR	TITLE OF THE PAPER PRESENTED	ORGANISING INSTITUTION	DURATION & PLACE	NATIONAL/ INTERNATIO-NAL/ STATE/ UNIVERSITY LEVEL
10.	SAMKALEEN HINDI KAVITA : SHILPA AUR SAMVEDANA	CHANDRAKANT DEWTALE KA KAVYA SAUSHTAWA	M.G.A.HINDI VISHWAVIDYALAYA, KOLKATA CENTRE, WB	01 APRIL, 2012 KOLKATA	NATIONAL
11.	HINDI AUR POORWOTTAR KEE BHASHAYEN	HINDI KE VIKAS ME BANGALABHASHIYON KA YOGDAN	M.G.A.HINDI VISHWAVIDYALAYA, KOLKATA CENTRE,WB	14-15 JULY, 2012 KOLKATA	NATIONAL
12.	KASHINATH SINGH KE RACHANAKARMA PAR KENDRIT	KASHINATH SINGH KA SANSAMARAN SAHITYA	PRAYAS , ASANSOL & HINDI ACADEMY, ASANSOL,WB	02 DEC, 2012 ASANSOL	NATIONAL
13.	BHAWANI PRASAD MISHRA KE KAVYA PAR	DOOSARESAPTAK KE KAVI AUR BHAWANI PRASAD MISHRA KEE KAVITA	M.M.M. COLLEGE, DURGAPUR,WB	23 FEB, 2013, DURGAP-UR	NATIONAL
14.	IMPACT OF RAVINDRANTH ON INDIAN LANGUAGES	RAVINDRANATH AUR HINDI SAHITYA	ASSAMES, MARATHI & TAMIL LANGUAGES UNITS OF BHASHA BHAWAN, VISWA-BHARATI, WB	07-08 MARCH, 2013, VISWA BHARATI, BOLPUR	NATIONAL
15.	RAMVILAS SHARMA KA AALOCHANA-KARMA : VIVIDH SANDARBH	SWATANTRYOTTAR HINDI AALOCHANA AUR RAMVILAS SHARMA	DEPTT. OF HINDI, UNIVERSITY OF BURDWAN,WB	12-13 MARCH, 2013, BURDWAN	NATIONAL
16.	KASHINATH SINGH KEE KRITIYON PAR KAHASUNEE	MAHUWACHARIT ME KATHAKAR KA ABHIVYAKTI KAUSHAL	M.G.A.HINDI VISHWAVIDYALAYA, KOLKATA CENTRE, WB	01 APRIL, 2013, KOLKATA	NATIONAL
17.	EDUCATION IN THE 21ST CENTURY AND MAHAMANA'S VISION	ACTIVE PARTICIPATION	BHU, VARANASI, UP	6-7 JAN, 2007 VARANASI	INTER-NATIONAL
18.	HINDI EVAN RABHASHA HINDI KE MAADHYAM SE SAANSKRITIK SAMANWAY	ACTIVE PARTICIPATION	STEELLA MERRIS COLLGE, CHENNAI	05-06 JAN, 2008 CHENNAI	NATIONAL
19.	RASHTREEYA PARISAMVAAD ON GANDHI KA PATH AUR BHAWANI	ACTIVE PARTICIPATION	SAANSKRITIK PUNARNIRMAAN MISSION,	31 DEC, 2012 KOLKATA	NATIONAL

S. N.	TITLE OF THE SEMINAR	TITLE OF THE PAPER PRESENTED	ORGANISING INSTITUTION	DURATION & PLACE	NATIONAL/ INTERNATIO-NAL/ STATE/ UNIVERSITY LEVEL
	PRASAD MISHRA		KOLKATA		
20.	PRAKAARYAAT-MAK HINDI PATHYAKRAM NIRMAAN KARYASHALA	GIVEN CONTRIBUTION ON MAKING STUDY MATTERIAL	N.I.O.S, NEW DELHI & P.G. & RESEARCH INSTITUTE, D.B.H.P.SABHA, CHANNAI	02-05 OCT, 2007 CHENNAI	NATIONAL WORKSHOP
21.	NAAGRI LIPI EVAN ANUWAD-PATRKARITA KA AADHUNIK SANDARBH	GIVEN SPEECH ON ANUWAD KEE PRASANGIKATA AS A SUBJECT EXPERT	P.G. & RESEARCH INSTITUTE, D.B.H.P.SABHA, CHANNAI	04-05 MARCH 2008 CHENNAI	NATIONAL
22.	VOICES OF THE VOICELESS : INDIAN DALIT LITERATURE	PREMCHAND KEE KAHANIYON ME DALIT JEEWAN	DEPARTMENT OF HINDI, CALCUTTA UNIVERSITY,	19-20 MARCH, 2014	NATIONAL
23.	JAYSHANKAR PRASAD : BAZARWAD BANAM MANAWATAWAD	GIVEN SPEECH ON JAYSHANKAR PRASAD AUR MANAWTAWAD	SANSKRITIK PUNARNIRMAN MISSION, KOLKATA	31 DEC, 2014	NATIONAL

15. BOOK UNDER PUBLICATION : RAMSWARUP CHATURVEDI : SMRITI AUR SANSMRITI (EDITED), **ISBN- 978-81-7779-304-8**
PUBLISHER : SAHITYA BHANDAR PRAKASHAN, ALLAHABAD

URDU

1. DR.MAHJABEEN

LIST OF PUBLICATION:

1. URDU TANZ-O-MAZAH MEIN KWATEIN KA HISSA [BOOK] in 2013

2. DR.MD.SHAFQUAT KAMAL

List of publications:

Title	Name of journal	year of Publication	publisher
1. Meri kaifyaat (poem)	Rooh-e-Adab	2011	west Bengal Urdu Academy
2. Chokherbali Mein Auraton Ke Masayal	Dastawez	2012	University of Calcutta
3. Tabsera –o Tararuf	Urdu Duniya	2014	National Council for Promotion of Urdu Language

4.NIKHAT PERWEEN

List of publications:

Title	Name of journal	year of Publication	publisher
4. Md Tufail Ki Khaka Nigari	Roshnai	2015	Krachi ,Pakistan
5. Sham-e-Zindagi – Ek Jayeza	Zaban O Adab	2014	Bihar Urdu Academy, Bihar
6. Khawaja Altaf Hussain Hali Muslim Khawateen Ke Minaraye Hedayat	Qaumizaban	2014	Urdu Academy, Andhra Pradesh
7. Khalilur Rahman Azmi: Taza Hawa ke Shor Mein	Intesab Aalami	2015	Intesab Publication, Bhopal, MP
8. Hali Aur Iqbal Ke Kalam Main Aurtoon Ka Martaba	Gulbun	2014	Adara Gulbun, Lucknow, UP
9. Fort William College …. Jadid Urdu Nasr ka Aywan e Awal	Bazm-e-Adab	2015	Salman Khalil, Aligarh, UP
10. Chand Numainda Khawateen Novel Nigar	Aalmi Sahara	2014	Aalmi Sahara, UP
11. Khalilul Rahman Azmi------ Kagzi Payrehan Ke Aaine Main	Tamir-e-Nau	2014	Tamir-e-Nau, Bangalore, Karnatka

PHILOSOPHY:

1. Dr. Ahinpunya Mitra

Journals:

1) *Discerning Pervasive Patterns in Indian and Western Aesthetics with special reference to Ānandavardhana, Abhinavagupta and Immanuel Kant* published in *Jadavpur Journal of Philosophy*, Jadavpur University, volume 23, November 1, 2013-14, ISSN 0975-6833

Book chapters:

1) Kant on Genius, published in *Of Knowledge, Freedom and Reason*, edited by Professor Sauravpran Goswami of the Department of Philosophy, Gauhati University, Published by Publication Cell, Department of Philosophy, Gauhati University. ISBN 978-93-80390-40-6

2) *Moralising Humanity : a Kantian Perspective of Education* published in *Redefining Education: Expanding Horizons*, edited by Dr. Mintu Sinha, Principal, Bombay Teachers' Training College, Mumbai, published by *alfa Publications, New Delhi,* January, 2013 ISBN

978-93-82302-56-8

3) *The Spirit Within*, published in *Swami Vivekananda: a Multidimensional Personality*, published bu the department of Political Science of Bankura Zilla Saradamani Mahila Mahavidapith, Bankura, W.B., published in the year 2013, ISBN 978-81-92

3.4.4 Details (if any) of

*research awards received by the faculty

Dr.Subrata Chakraborty, Assistant Professor in The Department of Botany was conferred Young Scientist Award by Indian Science Congress Association in 87th session held at Pune University in the year 2000.

*recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

None.

*incentives given to faculty for receiving state, national and international recognitions for research contributions

None.

3.5 Consultancy

3.5.1 Details of the systems and strategies for establishing institute / industry interface.

No such steps have been taken to establish such interface yet.

3.5.2 Stated policy of the institution to promote consultancy. The available expertise advocated and publicized.

There is no such consultancy.

3.5.3 Encouragement of the staff to utilize their expertise and available facilities for consultancy services by the institution.

No consultancy service is available.

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

None.

3.5.5 Policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development.

Not Applicable

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 Promotion by the institution of institution-neighbourhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students.

The College promotes institution-neighbourhood-community network and student engagement through the National Service Scheme (NSS) and National Cadet Corps (NCC).
This is done through various programs which are stated below:

(1). National Service Scheme (NSS)

Activities:

- The NSS has adopted wards 36 and 88 of AMC. These constitute its 'adopted village'.

- Workshops and Seminars conducted at the adopted village on environmental pollution, blood donation utility, anti-superstition and human rights.
- Orientation courses conducted for NSS volunteers about NSS and its objectives.
- Campus work for the benefit of the College like Laying of Garden, Cleaning Parthenium Plants, Plantation of Trees, Development of Playground, Cleaning of College Campus, etc.
- Seminars on the Global Warming, Water Harvesting, Importance of safe drinking water Awareness about Parthenium Plants, Blood Groups,HIV & AIDS.
- Arranged procession against Smoking and Pollution.
- Special camp held from 7th -13th January, 2012 at Manasatala, Bauripara, Slum areas of Raniganj. Seminars, Workshops and Street Plays organised on different topics like awareness of Health, Drug Abuse, Environmental Pollution, etc.
- Two girls and three boys participated round the clock in an Inter College Camp organised by Durgapur Government College from 7th-13th January, 2012.
- Participated and performed in the state level award giving ceremony of NSS at Ramakrishna Mission Golpark, Kolkata on 14.05.2015
- A Thalasaemia awareness programme was celebrated on 28.11.2014
- A blood donation camp was organized on 18.03.2015. Total 96 candidates donated their blood.
- A 10 day employability training programme in collaboration with TCS from 24.02.2015 in collaboration with TCS.
- For boys and Four girls with two programme officer participated in Dist level NSS special camp2015-6 on 20.04.2015 to 24.04.2015 at M.U.C Women's College. B.U.
- On 22.08.2014 NSS celebrated anti superstition day in collaboration with N.G.O.
- Lecture delivered on personality development of students during NSS week.
- Celebration of Days:

i. Independence Day, 15th August

ii. NSS Day on 24th September
iii. World AIDS Day
iv. National Youth Day, 12th January
v. Republic Day, 26th January
vi. International Women's Day

(2). National Cadet Corps (NCC)

Activities:

- Parade is conducted in the college playground every Sunday.
- Cadets serve as volunteers during any cultural programme and annual sports of the college.
- Participate in social activities like blood donation, tree plantation, medical aid camps, etc. The above activities promote courage strength, duty and discipline.

3.6.2 Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles.

None.

3.6.3 Soliciting stakeholder perception on the overall performance and quality of the institution.

The evaluation of individual Teachers are carried out by the students of third year. Also opinion polls of the same students regarding facilities provided by the college like library, canteen, drinking water etc. are conducted. The data so obtained are analysed to identify areas requiring further improvement.

3.6.4 Planning and organization of extension and outreach programmes.

Table 3.6.4 Details of field work and excursions organised by various departments of the institution.

Departments	Year	Location*	Budget
Botany	2011-12	A. Darjeeling and Gangtok. B. Valkema Dam	Rs.6000/-
	2012-13	A. Haridwar, Risikesh and Gangotri. B. Panchet	Rs. 6000/-
	2013-14	A. Gangtok and Pelling. B. B.Mukutmanipur,Bankura District	Rs. 6000/-
	2014-15	A. Darjeeling, Lava and Lolegao. B. Biharinath Hills,Bankura District	Rs. 6000/-
Geography	2011-12	Nopur Mouza, Raniganj.	Rs. 6000/-
	2012-13	Kumarbazar,Majipara Mouza, Raniganj.	Rs. 6000/-
	2013-14	Nopur Mouza, Raniganj.	Rs. 6000/-

Departments	Year	Location*	Budget
	2014-15	Jaigaon, Alipurduar, WB , Phuntsholing, Bhutan	Rs. 12000/-
Geology	2011-12	Barakar, Maithan, Banspetali	Rs. 7000/-
	2012-13	Barakar, Maithan, Banspetali	Rs. 7000/-
	2013-14	Maithan, Banspetali	Rs. 7000/-
	2014-15	Maithan, Pabla, Chandipal (Orissa)	Rs. 7000/-
Zoology	2011-12	Vishakhapatnam and Araku Valley	Rs. 5000/-
	2012-13	Haridwar, Mussorie,	Rs.-5000/-
	2013-14	Goa	Rs.5,000/-
	2014-15	Baharampur, Murshidabad District ,Sericulture Dept. Govt. Of W.B.	Rs.6,000/-
History	2014-15	'Deoul' , 'Joydev' near Durgapur,W.B.	Rs-12000/-
Physiology	2011-12	Susunia Pahar and allied tribal areas.	Rs.-5000/-
	2012-13	Visva Bharati University ,Santiniketan and Sriniketan	Rs.-6,000/-
	2013-14	Vishakhapatnam and Araku Valley	Rs.-6,000/-
	2014-15	Berhampur, Murshidabad	Rs.-7,500/-

3.6.5 Promotion by the institution of participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies.

Immediately after admission to the college, authorities encourage the students to participate in the National Service Scheme (NSS) and National Cadet Corps (NCC) .The funds for the various activities of the NSS is provided by the Ministry of Youth Affairs ,Govt. of India ,through the affiliating university.

. Table3.6.5Details of funding of NSS in Last Four Years

Year	NSS Unit-I		NSS Unit-II	
	Regular grant	Special grant	Regular grant	Special grant
2011-12	Rs.22,000/-	Rs.22,000/-	Rs.22,000/-	Rs.22,000/-
2012-13	Rs.22,000/-	Rs.22,000/-	Rs.22,000/-	Rs.22,000/-
2013-14	Rs.22,000/-	Rs.22,000/-	Rs.22,000/-	Rs.22,000/-
2014-15	Rs.22,500/-	Rs.22,500/-	Rs.22,500/-	Rs.22,500/-

3.6.6 Details of 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.

NSS unit of the college has adopted wards 36 and 88 of Asansol Municipal Corporation. The students representing the NSS unit conduct various social and health awareness programmes in the adopted village mentioned above**.**

3.6.7 Reflection on objectives and expected outcomes of the extension activities organized by the institution. The way they complement students' academic learning experience and inculcate values and skills.

- The students participating in these extension activities organised by the institution gathers empirical knowledge regarding the way of life of the underprivileged class of the society.
- They learn to serve the deprived section of the society selflessly.
- A sense of social responsibility is developed among the participating students.

3.6.8 Involvement of the institution with the community in its reach out activities and contribution to community development. Detail of the initiatives of the institution that encourage community participation in its activities.

- The inter-school sports are held regularly in the college football ground.
- Every year on the 'National Youth Day' i.e. the birthday of Swami Vivekanada on 12th January, a grand procession is organised in Raniganj by the NSS unit of this college.
- Blood donation camps are often organised by the NCC and NSS in the college campus.

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

- Student exchange programmes (HISTORY DEPT)
- In 2015 the University of Burdwan celebrated Rabidranath Tagore's birth anniversary. The NSS units of TDB college and Raniganj Girls' College jointly organised a cultural programme on this occasion. They also participated in a rally.
- The NSS unit of TDB college participated in a camp organised by the University of Burdwan.

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

NIL

3.7 Collaboration

3.7.1 Collaboration and interaction of the institution with research laboratories, institutes and industry for research activities. Examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

Not Applicable

3.7.2 Details of 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.

Not Applicable

3.7.3 Details (if any) of 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.

- Shyam Industries, Kolkata offered jobs to four selected students of Department of Chemistry in 2011.
- The demand and contributions of the local society of Raniganj led to the establishment of the college in 1957.
- A donation of Rs. 2 lakhs by the Eastern Coalfield Ltd. was used in the construction of Earth Science Building.
- TCS conducted an IGNITE programme in the college in 2012.
- TCS conducted employability training programme for third year students of the college and offered to six students in 2015.
- MP and MLA LAD grants were utilized to construct the new Urdu PG building.
- Officials of the local Fire Service Station were consulted for placing extinguishers in different locations of the college building.

3.7.4 Names of eminent scientists/participants who contributed to national and international conferences organized by the college during the last four years.

Department of Bengali

(i) Prof. Arup Kumar Chattopadhyay (Dean of Arts, The University of Burdwan)
(ii) Prof. Shreela Bose (Visva-Bharati University)
(iii) Prof. Amitava Das (The University of Burdwan)
(iv) Prof. Arjun Dev Sensharma (Silchar University)
(v) Prof. Santanu Das (Rabindra Bharati University)
(vi) Dr. Mahua Mukhopadhyay (Rabindra Bharati University)

Department of Zoology

(i) Dr. Ashish Kumar Ghosh, former Director, Zoological Survey of India. Presently Director CED, Kolkata.
(ii) Prof. S. C, Santra, Dept. of Botany, Kalyani University.
(iii) Prof. Santanu Ray, Dept. of Zoology, Visva Bharati, Santiniketan.
(iv) Dr. Anupam Chatterjee, Head, Dept. of Bio-Technology, NEHU, Shillong, Meghalaya.
(v) Dr. Padmanava Das Gupta, Dept. of Zoology, Dean of Science Faculty, The University of Burdwan.
(vi) Prof. Sibani Choudhuri, Head, Department of Environmental Science, Visva Bharati, Santiniketan.
(vii) Dr. Gautam Saha, Dept. of Zoology, University of Calcutta.

3.7.5 Number of the linkages/collaborations that have actually resulted informal MoUs and agreements.

Not Applicable

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

Not Applicable

CRITERION IV:
INFRASTRUCTURE AND LEARNING RESOURCES

The basic aim of the college is to provide quality higher education to the large population of students of the coalfields and rural areas surrounding Raniganj. Student enrollment is the main strength of the college. In this regard, development of proper infrastructure to facilitate the teaching learning process has been of utmost importance to this institution. The introduction of new courses over time necessitated the expansion of the existing infrastructure. The college has always responded by providing appropriate facilities to aid the teaching learning process.

4.1 Physical Facilities

Adequate physical infrastructure is essential for providing a peaceful and comfortable environment to both students and teachers for effective teaching and learning. The college has always been committed to provide the necessary infrastructure.

4.1.1 Policy of the Institution for Creation and Enhancement of Infrastructure

The policy for creation and enhancement of infrastructure that facilitate effective teaching and learning is framed by the Governing Body of the college in consultation with the Teachers' Council, Academic Committee and Development Committee. Two basic criteria that are considered during the formation of policy are:

(a) Need of the college
(b) Demand of the local society

(a) Need of the college : Most policies framed for creation and enhancement of infrastructure have been to meet the needs of the college. The most recent addition to the existing infrastructure consisting of large class rooms, laboratories, a boys' hostel, staff quarters, canteen, a separate transformer is the new library building. The college possesses approximately 67,000 books in the library. The old library which was situated on the top floor of the main building had a capacity of 40,000 books. Further, the bookshelves and reading space were in the same large hall. This precluded open access to the bookshelves. Thus, in order to keep the 67,000 books properly and also to facilitate open access to the bookshelves, the Governing Body of the college took a decision to construct a new modern library outside the main building of the college. Construction was completed in 2013. The books in the old library have already been shifted to the new building and the library is now functional.

By construction of the new library building effectiveness of learning has been achieved in the following ways:

(1) Proper preservation of the 67,000 books.
(2) The whole library is now openly accessible.
(3) Seating capacity of students in the reading room has been increased from 50 to 100.
(4) As the library is now situated outside the main academic building, it remains open and can be used by students during the University Examinations.
(5) The space vacated by the old library in the main building can now be utilized effectively for opening new rooms for the arts departments.

(b) Demand of the local society : The college is located in an area with a large minority population. To promote education to the minority community, the college from the beginning, has started undergraduate course in Urdu. However, there was an overwhelming pressure from the local community to start a post graduate course in

Urdu. Yielding to this pressure, the Governing Body of the college decided to open a post graduate course in Urdu under the University of Burdwan. The P.G. course was initiated in the year 2009-2010.

In order to conduct post graduate classes and also to set up a separate Urdu department, the college has constructed a new Urdu P.G. building using mainly M.L.A and M.P. LAD funds.

4.1.2 Facilities for Curricular, Co-curricular and Extra Curricular activities

(a) Curricular activities :- The curriculum of the college includes M.A.(Urdu), B.Sc.(Hons and General), B.A. (Hons and General) and B.Com (Hons and General) and the students get admitted every year in these curricular activities. All the class rooms are provided with dust free green boards. The list of other facilities provided by the college authorities are given below:-

B.Sc.

1. Physics:

- Two illuminated and airy class rooms attached with department of Physics each having capacity of 30 students are provided by college authority for taking honours classes.
- Two illuminated and airy class room (Room no 67 and 72) having capacity of 120 students in each room are provided for taking general classes. Each room has dust free green board.
- LCD Projector with laptop is used occasionally for taking honours classes
- Three personal computers, one is connected with internet.
- Four practical class rooms for honours students, each having capacity of 20 students.

Different experiments are set up in these rooms. One dark room for doing the practical class related to optics.

- Two practical class rooms for the students of general stream.
- Some of the important instruments which are used by the students are :

(a) Spectrometer (b) CRO (c) Magnetron (d) Ballistic galvanometer (e) Platinum resistance thermometer (f) Function generator

- Instruments are kept in the steel almirahs with locking facilities. Key is always kept in the department under the custody of the storekeeper.
- Seminar library has 174 books which are regularly issued to the students.

Amount spent during last four years

YEAR	UGC	COLLEGE
2011-2012	1,0065/-	10,938/-
2012- 2013	NIL	1,05,948/-
2013-2015	88,245/-	1246/-
2014-2015	Nil	4,794

2. Zoology

- Two well illuminated and airy class rooms attached with the department of Zoology having capacity of 20 students are provided by the college authority for taking honours classes.
- Both the rooms possess dust free green board.
- One overhead projector and LCD projector are regularly used as a teaching aids.
- Teaching through power point presentation is done.
- One PC with internet connection, one printer and scanner is present in the department.
- Charts, Models and Specimens are there in great numbers.
- Charts are preserved in the wooden racks.
- Models and Specimens are preserved in 5 wooden almirahs.
- Three class rooms are provided for the honours practical classes.
- There are 15 basins and 23 lamps in the practical class room.
- 48 microscope cabinets and microscopes are present within the department.
- Two class rooms with the accommodation of nearly 100 students are provided for general course teaching.
- Practical classes for general students are conducted in the same premises where honours practical classes are held.

Amount spent during last four years

YEAR	UGC FUND	COLLEGE FUND
2011-2012	86,890/-	12,175/-
2012- 2013	51,925/-	93,058/-
2013-2015	60,000/-	4,393/-
2014-2015	nil	8,407

3. Botany

- One well illuminated and airy class room is attached with the department of Zoology having capacity of 30 students is provided by the college authority for taking honours classes.
- Room possesses a dust free green board
- One overhead projector and one LCD projector are used as a teaching aid.
- Teaching through power point presentation is done.
- One PC and a laptop with internet connection are there in the department.
- Two racks along with a chart holder is present. The chart holder holds a number of charts and diagrams which are exhibited in the classes.
- Four well illuminated and airy class rooms having capacity of 120 students are provided by the college for taking general classes.
- Each room possesses dust free green boards.
- Three well illuminated and airy class rooms having capacity of 20 students for honours practical classes.
- One tissue culture room is present
- A small chemical laboratory within the practical classroom is present.
- Six almirahs are kept in the department which keeps a large number of specimens.
- Twelve almirahs are kept in the department to keep the different instruments.

List of some instruments

(i)Microscopes, both simple and compound types are present.

(ii)Binocular microscope

(iii)P-H meter

(iv)Autoclave

(v) Incubator and many other instruments

- Seminar library contains 100 books which are regularly used by teachers and the students.

Amount of fund utilized by the department last four years

YEAR	UGC FUND	COLLEGE FUND
2011-2012	1,08,700/-	16,056/-
2012- 2013	Nil	3,120/-
2013-2015	1,01,900/-	12,752/-
2014-2015	nil	37,514

4. Mathematics

- Three well illuminated and airy class rooms are attached with the department of Mathematics having capacity of 50 students are provided by the college authority for taking honours classes.
- Each room possesses dust free green board.
- One computer laboratory within the department containing 9 computers, where practical classes are held.
- Department has internet connection.
- Two well illuminated and airy class rooms near the Statistics department. However in one class room (N7), both Statistics and Mathematics classes take place.
- For III rd Year honours students the computer based practical classes are conducted at separate laboratories.

Amount of fund utilized by the department last four years

YEAR	UGC FUND	COLLEGE FUND
2011-2012	Nil	1,587/-
2012- 2013	Nil	24,000/-
2013-2014	Nil	77,839/-
2014-2015	Nil	Nil

5. Physiology

- One well illuminated and airy class room with the capacity of 30 students.
- Dust free green board is present.
- Four well illuminated and airy practical class rooms having capacity of 15 students are used for taking practical classes.
- LCD projector with PC used in regular basis for teaching
- 20 desks, each desk containing materials used for practical purpose.
- Running water and gas connection is attached to each desk.

- 5 Almirahs and 1 Almirah with 16 cabinets are present.
- 16 microscopes, 2 incubators, 1 refrigerator, 1 hot plate, 2 colorimeters, 2 microtomes, 1 glucometer, 1 sound level meter etc are present in the department which are regularly used by the students.
- Charts of large number is present.
- One seminar library containing 60 books are regularly used by students and teachers.

Amount of fund utilized by the department last four years

YEAR	UGC FUND	COLLEGE FUND
2011-2012	1,69,549/-	Nil
2012- 2013	Nil	12,152/-
2013-2015	21,800/-	16,835/-
2014-2015	nil	NIL

6. Chemistry

- Two well illuminated and airy class rooms attached with the department of Chemistry having capacity of 25 students are provided by the college authority for taking honours classes.
- Each room possesses dust free green board.
- Two well illuminated and airy class rooms (61 and 67) having capacity of 120 students are used for taking general classes.
- LCD projector with a laptop is occasionally used for taking classes.
- One PC with internet connection is occasionally used by the students.
- There are 3 laboratories for Honours and General students.
- Running LPG is available and is used in the burner.
- Each desk is provided with running water
- De-ionizing machine for providing de-ionized water
- A store room containing 8 wooden almirahs is present.
- 2 steel almirahs in the preparation room
- 2 steel almirahs in the staff room
- Seminar library containing 93 books, is regularly used by both students and the teachers.

Some of the important instruments are

(1) Single beam spectrophotometer
(2) Conductively bridge
(3) Potentiometer

Amount of fund utilized by the department last four years

YEAR	UGC FUND	COLLEGE FUND
2011-2012	34,633/-	34,205/-
2012- 2013	47,747	84,892/-
2013-2014	44,900	538/-
2014-2015	NIL	21,590

7. Geography

- Two well illuminated and airy class rooms are attached with the department of Geography having the capacity of 40 students for honours theoretical classes.
- High and low benches are present in sufficient number but the number has to be increased.
- Dust free green boards are to be introduced shortly.
- 2 practical class rooms have been allotted for both honours and general students.
- Beside the practical class rooms one tracing room is there. In the tracing room a long table with mechanism of light from below is present.
- 3 steel almirahs, one wooden showcase, two steel racks are provided for keeping different instruments, specimens and charts which are regularly used by the students.

Some of the instruments present in the department

1. Thedolite - 6 in number
2. Labeling instruments – 6 in number
3. Prismatic compass – 8 in number
4. Weather and toposheet map
5. Rocks and minerals
6. Remote sensing maps
7. Overhead projector present for regular teaching purpose.

The lab contains 8 computers, printer and scanner, Xerox copier
Present ratio of students to computer is 4:1.
The college has planned to make it 3:1 and for this the number of computers and space has to be increased.

Amount spent in the last four years

YEAR	UGC FUND	COLLEGE FUND
2011-2012	Nil	12,400/-
2012- 2013	Nil	Nil
2013-2015	1,45,450/-	1,00,000/-
2014-2015	nil	12,435

8. Geology

- Two class rooms attached with the department having capacity of 15 students for honours theoretical classes.
- One practical class room attached with the department having a capacity of 15 students are provided.
- All the class rooms possesses dust free green boards.
- LCD projector along with laptop is provided.
- Sufficient number of high and low benches are provided.
- 1 PC is provided.
- 5 wooden almirahs covered with glass are present to keep the innumerable number of models, specimens etc.
- Each wooden almirah contains three big drawers to keep the rocks and mineral specimens which are sufficient in number.
- 2 steel almirahs one in the staff room and the other in the practical class room are used to keep the fossil specimens.

- One microscope cabinet containing 12 cabinets. Each cabinet has the space to keep 4 sensico brand student model polarizing microscope.
- Altogether, this Department possesses 25 microscopes. The ratio between student : microscopes is 2:1
- One binocular polarizing microscopes is present.

List of some of the important instruments

a. Binocular polarizing microscopes
b. Polarizing students model microscope
c. Clinometers and brunton compass
d. Fossils

Amount spent in the last four years

YEAR	UGC FUND	COLLEGE FUND
2011-2012	77,900/-	Nil
2012- 2013	33,1501/-	87,176/-
2013-2014	36,545/-	12,800/-
2014-2015	nil	7,500

9. Electronics

- There are two class rooms for Honours/General classes.
- There is one large laboratory, one small darkroom and one computer laboratory where practical classes are held.
- The major instruments/facilities provided are
  (i) 3 computers and 1 xerox-cum printer
  (ii) Stabilizers
  (iii) Oscilloscopes (single trace and double trace)
  (iv) Power supply-AC and DC
  (v) Multimeter
  (vi) Grating optical set
  (vii) Balance
  (viii) Different experimental sets as per syllabus
  (ix) Electronic charts
  (x) Single slit polarizer

Amount spent in the last four years

YEAR	UGC FUND	COLLEGE FUND
2011-2012	59,800/-	17,161/-
2012- 2013	Nil	65,077/-
2013-2014	Nil	4,590/-
2014-2015	Nil	9,975/-

10.Statistics

- 2 well illuminated and airy class rooms near the statistics department.
- There is one computer laboratory with two computers where practical classes are held.
- Computer: Students=1:3
- There are 20 scientific calculators for use in practical classes.

- There is 1 large and 1 small steel almirahs

Amount spent in the last four years

YEAR	UGC FUND	COLLEGE FUND
2011-2012	Nil	Nil
2012- 2013	Nil	Nil
2013-2014	Nil	7,400/-
2014-2015	Nil	Nil

(11) Computer Science

- There is one large computer laboratory with 17 computers and 1 white board.
- 1 steel book case, 1 steel almirah
- 1 hardware laboratory where practical classes are held with digital trainers

Amount spent in the last four years

YEAR	UGC FUND	COLLEGE FUND
2011-2012	11,000/-	3,568/-
2012- 2013	Nil	88,608/-
2013-2014	Nil	28,000/-
2014-2015	Nil	19,421/-

(12) Commerce

- 1 large computer laboratory with 15 computers and 1 printer where practical classes are held.
- Amount spent in the last four years

YEAR	UGC FUND	COLLEGE FUND
2011-2012	Nil	Nil
2012- 2013	Nil	Nil
2013-2014	Nil	23,130/-
2014-2015	Nil	Nil

(b)Extracurricular activities:-

The college always encourages students to participate in extracurricular activities like sports, games, cultural activities, etc.

- **Sports and Games:**

The Institution has a large playground of 5825.4798 sq meter area with galleries built on one side. Students play football and cricket here. There is one Volleyball court of 2175.1917 sq meter area outside the boys' hostel and one cemented badminton court of area 442.5012 sq meter between the main building and the Science building. The Annual sports are held in these

grounds . The common rooms for boys and girls are equipped with facilities for indoor games like Table tennis and Carom.

One of the student of the college participated twice and was ranked in the State- level Athletic Meet of Non-Government colleges conducted by the Director of Public Instruction. Inter- class football championship, and cricket matches are held every year. The College football team participated in football championship matches with other colleges under The University of Burdwan. During the Annual sports a tug- of war takes place between students and the staffs which is enjoyed by both the groups. (Teaching & Non-teaching). Both girls and boys compete in the table tennis and carom championship.

- **Gymnasium**

The college intends to set up a well equipped gymnasium in some of the vacant quarters.

- **Health Centre**

The college has a health centre attended by a part-time general physician.

- **Wall Magazine**

Boards are provided to departments for the setting up of wall magazines. Students get the opportunity to showcase their creative abilities in writing and painting.

- **Cultural Activities**

The college has an open – air stage where students perform during the Annual Social Function. Professionals are also invited to entertain the students. One act play competitions are here. The teachers and non-teaching staff also stage separate plays. The Annual function is funded by the college. Every year in collaboration with students union, the college organizes an exhibition cum competition among different departments.

- **National Service Scheme (NSS)**

The college has two active NSS units with boys and girls. They are headed by Smt. Chandana Khan, a trained programme officer. They obtain a fund of Rs 90,000 per year from the affiliating University for their activities. The NSS has an office room, a storeroom and other necessary equipments.

- **National Cadet corps (NCC)**

The college has an active unit of NCC with captain (Dr.) Ganesh Kumar Rajak in charge. In the current session there are 43 boys and 26 girls as cadets. Many cadets have participated and won medals in different State level and national level shooting championships. The NCC unit consists of an office and a storeroom and is situated on the ground floor of the NRS building. All equipments are provided by 10 Bengal Br, NCC, Asansol Coy-03.

- **College Co-operative Society**

  A co-operative credit society comprising teachers and non-teaching staff is operated by the college for hassle free loans to members with minimum delay and at a nominal interest rate.

- **Medicinal Garden**

  There is a garden of medicinal plants in the college and one of ornamental plants having area 938.0059 & 317.670 sq meter respectively.

4.1.3: Institutional Planning for ensuring that Available Infrastructure is in keeping with the Academic Growth and is optimally utilized:

During the last four years the major achievements of the college authorities in academic growth of the college are construction of a new library building with open access system, development of Urdu department with P.G. status, LPG gas connection system for Chemistry, Physiology and physics departments, Remote sensing Laboratory for Geography department, LCD with laptop basis of teaching mode in some departments

Table 4.1.3 Details of major Achievements in last four years

Sl.No	Facilities that developed during the last four years	Amount spent
1	New library building construction completed by 2013 and the library shifted in 2014	53,50,906/-
2	New Urdu P.G. building construction completed by	15, 04, 457/-
3	Construction of remote sensing computerized lab for Geography department completed by	1,03,523/-
4	LPG gas connection for Chemistry, Physics and Physiology deptt. in 2012	3,10,000/-
5	LCD projector Laptop and computers	10,65,731 (UGC)
6	Introduction of green board to all class rooms in 2013	2,71,950/- (UGC)

The present infrastructure is optimally utilized. However to provide better facilities many areas of development are under consideration. These are as follows:-

- Space for all laboratories in the Science departments.
- Audio system for general students in the Arts and Commerce stream
- Internet connected linguistic practical lab for language departments
- Initiation of some vocational training classes

4.1.4: Disabled-friendly Infrastructure :

In order to enable free movement of disabled individuals, ramps have been provided in all important places in the campus. The reading room of the library and the canteen are on the ground floor.

4.1.5 : Details of the Residential Facilities and Various other Provisions:

The college provides residential facilities to its students, teachers and non-teaching staff.

1. Hostel facility – The College has one hostel for male students which occupies about 10 percent of the total area of the college campus. It is a two storied building with a capacity for housing 60 students.
The hostel has 34 rooms which are of three types: two, three and four-seated rooms. Electricity is provided by the college.
The dining room of the Hostel is furnished with benches and tables. There is one wash basin with running water connection. The kitchen is well – stocked with utensils.
A well covered by a iron net is one extra source of water. Besides, there is a running water connection from Asansol Municipal Corporation. Overhead water tanks provide 24 hours water supply in the hostel.
There are three bath rooms – cum toilets on each floor. An individual has been employed by the college to clean the toilets regularly.
The hostel is attached to a playground where the residents of the hostel play volleyball. A garden is also maintained by them in the hostel premises.

- A gymnasium has been proposed to be set up in a vacant quarter.
- A computer / internet facility is to be installed shortly in the hostel.
- Library facilities to be set up in the hostel.
- In case of medical emergencies the general physician, attached to the college on a temporary basis, is called. If necessary, he advices the concerned student to be hospitalized.
- The college has 39 quarters for the teaching staff, of which 15 are one storied bungalow types having three rooms. The remaining 24 quarters are two roomed apartments with 24 hours water supply. Each quarter is provided with a wooden cot, a table and a chair.
- One quarter is used as the NSS office, another as maintenance office and two quarters have been converted to Sanskrit department.
- There is a Teachers' guesthouse with 12 rooms. Each room has an attached bath.
- The college has 43 quarters for non-teaching staff.
- The hostel has a common room with indoor games. Newspapers are subscribed for the inmates of the hostel.
- Security: - Security guards are provided in the main gate of the college and the small back gate of the college and they guard the college campus round the clock.

4.1.6: Campus Health Care for Students and Staff:

A medical unit with first-aid facilities is situated near the main gate of the college. A general physician visits the unit every Thursday morning on a

temporary basis. In case of any emergency he is given a call and appropriate actions are taken based on his advices.

4.1. 7: Common Facilities Available for Special Units in the College Campus:

The details of the facilities provided for special units are given in the table below:

Table 4.1.7

Facilities provided for special units

Sl.No.	Unit	Facilities
1	IQAC	A well furnished office with two desktop computers with internet connections, one printer and one scanner.
2	Career and Counseling Cell	Office situated in the laboratory of the department of Statistics. One computer with internet facility, one printer, one xerox machine and a notice board has been provided.
3	Health Centre	One medical unit near the main gate of the college, with a visiting general physician and cost free consultation facility.
4	Canteen	A permanent students' canteen of nearly 600 sq feet area is situated near the main gate. There is a separate room for the staff of the college. Drinking water is provided through aqua guard.
5	NCC	An office on the ground floor of NRS building with computing facilities. A large room serves as a storeroom.
6	NSS	One of the teachers' quarters has been converted into a furnished office of the NSS. The office has been provided with Tables, Chairs, Almirah.
7	Recreational spaces for staff and students	(a) A large playground for students (b) An open –air stage for cultural activities of students and teachers, and (c) separate boys' and girls' common rooms with indoor games
8	Safe drinking water	(b) Water purifiers are provided in many places in the college building to provide safe drinking water. A drinking water facility attached to a cooler machine is located near the main entrance
9	Auditorium	(c) At present there is no auditorium in the College. In the near future the college authorities intend to construct one over the main library building, the plan for which has already been prepared.
10	Security	One guard room each near main gate and rare gate of the college.

4.2 Library as a Learning Resource

The library which is a storehouse of knowledge forms an integral and vital part of the college. It is situated in a separate building constructed solely for this purpose. The library has about 67,000 books and several ancient Sanskrit manuscripts. Apart from the main library, seminar libraries have been set up in different departments so that honours students may borrow a book or use it for ready reference. Then manual system of handling books is now in the process of being replaced by a computerized system.

4.2 .1 Library Advisory Committee

The library has an advisory committee (LAC) comprising the Principal of the college, the librarian as the convener, six teachers and two non-teaching staff. Regular meetings of the committee are held to review the functioning of the library. Seminar libraries have been set up in the different departments with the initiative of the LAC. This committee also takes decisions for procuring books which are useful for students. The process of computerization of the system of functioning of library is being monitored by the LAC.

4.2 .2 Library layout

The library is situated in a separate building in the college campus. It has a total area of 567.610 sq meters. The library is well- ventilated with a peaceful ambience. The reading room for students has a seating capacity of 100. There are, however, no separate arrangements for girl students. A separate room is provided for faculty members with a seating capacity of 10.

The college is run in two shifts – morning and day. For students enrolled in the morning shift, the library is open from 7.00 a.m. to 9.30 a.m., and for those in the day shift from 11.00 a.m. to 5.00 p.m. from Monday to Friday and from 10.30 a.m. to 1.00 p.m. on Saturday.

4.2.3 Library Plan and Amount spent for reading materials and e-resources, library purchase and use (Library Budget)

The library has a well organized system of purchasing books. Books are purchased every year from the College and sometimes U.G.C. also provides some funds to buy books. The Librarian in consultation with the Principal issues notices to different departments for submission of titles of books together with the number of copies to be purchased, subject to a given budget. It may be mentioned here that text books are given greater priority. The Principal, in consultation with the librarian, then issues a tender notice which is put up on the College Notice Board and also published in newspapers. Books are then procured from a supplier considering his capacity, capability, terms of payment, past experience, commission given to the college and the lowest quotation value.

The amount spent in procuring books during the past five years is given below:-

Table 4.2.3. BREAK Up of Amount Spent in Purchasing the books for last five years

Academic Session	Amount spent	Total budget of the college	Library budget	Percentage of total budget
2010-2011	2,22,281	41,96,445	3,03,792	7.2
2011-2012	2,23,586	51,44,069	3,65,716	7.1
2012-2013	2,32,630	43,18,231	3,21,160	7.4
2013-2014	3,76,691	60,60,924	4,24,000	6.9
2014-2015	Nil*	45,87,365	4,97,680	10.9

* Due to some unavoidable circumstances books could not be procured in the financial year 2014-2015. However the entire amount allocated for the session was transferred to the session 2015-2016 and books purchased accordingly.

Although allocations were made in the annual budgets for purchase of Journals and e- resources during the last four years, none were procured. This is a limitation of our library system. However, to overcome this lacuna the governing body in its meeting held on 17.10.2015 sanctioned an amount of Rs. 42,000/- (Rs. 2,000/- per department) for the procurement of Journals in the library [vide Misc (XI)]. Regarding e-journals, preliminary work has been started in the library like providing internet connections to it and also to other departments. It is expected that e-journals will be accessed in the near future.

4.2.4 Details of the ICT and other Tools Deployed to Provide Maximum Access to the Library Collection

The computerization of the system of functioning in the library is in progress. It is expected to be completed by February 2016 after which students and teachers will be able to avail of advanced computer aided search facilities/packages. It is intended to install Computer packages such as OPAC, Electronic Resource Management Package, Federated Searching Tool used to search articles.

The details are as follows:

- OPAC - yet to be installed
- Electronic Resource management package for e-journals - yet to be installed
- Federated searching tools to search articles in multiple databases - yet to be installed

No separate website has been developed for the library. The website of the college contains information about the library regarding its activities, number of titles, etc.

4.2.5 Usage of Library

The library is open from 7.00 a.m. to 5.00 p.m. during examination. Yearly, on an average the library remains open on 250 days.

- In – house / remote access to e- publications - yet to be done
- Library automation is in progress and it is expected to be completed by February, 2016.
- Total number of computers for public access – nil
- Total number of printers for public access – nil
- Internet band width/ speed – 4 mbps
- Institutional Repository
- Content management system for e- learning
- Participation in resource sharing networks/consortia (like Inflibnet) - yet to be introduced.

Average number of walk ins	60 / day
Average number of books issued/returned	45 – 50 / days
Ratio of library books to students enrolled	15:1
Average number of books added during last three years	1110
Number of information literacy trainings organized	To be conducted after completion of automation
Details of "Weeding out" of books and other materials	

4.2.6 Specialized Services Provided by the Library

Table 4.2.6. Details of the specialized services provided by the library

Specialized services	Details
Manuscripts	33
Reference books	5430
Reprography	Yet to be provided
Inter library loan service	Nil
Information deployment and notification	Information and notification are put up in the notice board in the library and main building. Newspapers are displayed
Download	Not available
Printing	Not available
Reading list / Bibliography compilation	Manual system operative. Computerization of system in progress
In-house remote access to e-resources	Not available
User orientation and awareness	Yet to be in practice
Assistance in searching Databases	Not available
INFLIBNET / IUC facilities	Under process

4.2 .7 Support provided by the library staff to the students and teachers of the college

- The library staff is always cordial to the students and teachers.
- These are six members in the library staff to support nearly 4000 students and 80 teachers.
- In the reading room the library staff provide books to students and teachers immediately on demand since books for reading room are kept separately.
- In the lending section, the library staff take less than 30 minutes to issue books to students and teachers.

4.2 .8 Library Facilities for the differently abled

Physically disabled students are given preferential treatment in issuing books.

4.2 .9 Feedback Mechanism

The college has introduced a system to get the feedback of the students regarding the infrastructure of the college, including the library. Every year, after completion of their curriculum, students are given feedback forms where they are asked to rate the different facilities provided by the college. The filled up forms submitted to the college are then analyzed by a committee of teachers under the supervision of the Principal. An analysis based on a small sample of students graduating in 2014 shows:

- 26% of the students voted for 'excellent'
- 29% of the students found the library facilities to be very good
- Only 3% of the students voted for 'poor'

The Principal, along with the library committee, reviews the report and steps are taken to improve library facilities.

Some of the challenges facing the library are:

- The number in the library staff must be increased.
- A separate librarian is required for the Morning Shift.
- There should be provision of air- conditioning in the library.
- There should be provision for differently abled students.

4.3. I T Infrastructure

The Institution is aware of the necessity to provide I T facilities to enable teachers and students to take advantage of the advanced ICT. It has, therefore, taken the initiative to provide computing and internet facilities in different departments.

4.3.1 Details on the Computing Facility available in the Intuition

The college provides computing facilities to the students, teachers and staff with 71 computer systems and internet connectivity.

Table 4.3.1 Details of Computing Facility Available in the Institution

Department	Number of computers	Department	Number of Computer
Geography	08	Geology	01
Physics	03	Chemistry	01
Commerce	15	Mathematics	10
Urdu	01	Zoology	02
Botany	01	Physiology	01
Electronics	03	Library	09
Statistics	02	Computer science	12
IQAC	02		
	Total - 35		**Total 36**

The configurations of the computers are:

Intel Core 2duo, Intel core i3, HP Branded, Dell Branded and AMAR PC Branded

- Licensed software – TNT Mips (4 users)
- The computer student ratio is 1 : 64
- LAN facility is available in office
- Wi – fi facility is not available.
- Number of nodes / computers with internet facility is 16
- There is a small hardware laboratory attached to the Department of Computer Science which is used exclusively for practical classes.
- Computer maintenance is carried out by outside organization.

4.3.2 Off and On- Campus Computer and Internet Facility

The students, teachers and non-teaching staff have access to computers and internet during college hours. No off- campus facility is available.

4.3.3 Institutional Plans and Strategies for Deploying and Upgrading the IT Infrastructure and Associated Facilities.

1) The IT infrastructure up gradation plans

- To develop Wi – Fi enabled campus.
- Develop a number of ICT enabled classrooms
- Setting up of a language laboratory.
- Setting up of a computer laboratory for Arts faculty.
- Some useful software has to be purchased.

2) Strategy for Deployment and Up- gradation

A number of ICT enabled classrooms have to be set up for more effective teaching and learning to replace the chalk and talk method of teaching. Computers are purchased for departments according to their requirements.

4.3.4 Provision in the Annual Budget for Procurement, Up -gradation, Deployment

4.3.4. Computers

YEAR	UGC FUND	COLLEGE FUND
2011-2012	1,07,744/-	NIL
2012- 2013	NIL	NIL
2013-2014	3,23,000/-	NIL
2014-2015	NIL	45,304

4.3.5. ICT Enabled Teaching Learning in the Institution

The college is gradually shifting to computer aided teaching learning, though the chalk and talk process continues. Many departments, like Physiology, use LCD projector along with laptop for delivering lecturers. It is planned to develop ICT enabled classrooms for departments in the faculty of Arts.

In regard to computer aided teaching learning, internet facilities have been provided to all the Science departments. LCD projectors along with laptops have been provided to some departments like Physiology, Physics, Chemistry, Geology, Zoology, and Botany.

Commerce department is also provided with computers having Internet facilities.

Regarding Arts departments, college has taken decision in its G.B. to provide internet facilities, LCD projectors, Laptops and Desktop computers to the respective departments.

4.3.6. Learning **Activities and Technologies for Student- centric Teaching**

Not much has been achieved in this direction. Classes are conducted in some departments using LCD projectors and laptops. Audio- visual methods are used in some language departments. Students of different departments are given the access to computers to develop their stalls for the Annual exhibition of the college. These students use the internet and other computing facilities to develop their themes.

4.3.7 Details of the National Knowledge Network connectivity

The Institution is yet to become a part of National Knowledge Network.

4.4 Maintenance of Campus Facilities

4.4.1 Optimum Allocation and Utilization of Financial Resources For Maintenance and Upkeep of college Infrastructure

In order to ensure optimum utilization of financial resources, management has appointed a responsible person, the bursar of the college, who is vigilant about the maintenance and needs of all equipments, computers etc, furniture and building. He helps the regard the management in this regard.

Departmental heads inform the Principal about all departmental requirements after holding departmental meetings. Then the Principal places the proposals in the departmental committee and subject to its approval further places it in the finance committee which allocates the required funds. The process of procurement then starts. The available resources are then optimally used according to need based priority.

Furnished below is a statement of expenditure on different infrastructure maintenance head during the last four years.

No	Head	Year	Amount of allocation in Rs	Amount utilized in Rs
a)	Construction of New Building	2011-2012 2012-2013 2013-2014 2014-2015	 10,00,000/- 15,00,000/- NIL	30,36,528 16,34,629 52,92,708 10,84,270
b)	Repairing of existing building	2011-2012 2012-2013 2013-2014 2014-2015	 NIL 5,00,000/- 3,50,000/-	2,06,643 20,668 12,461 26,21,040
c)	Furniture (bench, chair, table, light ,fan etc goods)	2011-2012 2012-2013 2013-2014 2014-2015	 80,000/- 80,000/- 5,00,000/-	42,076 50,018 93,978 13,41,060
d)	Equipment	2011-2012 2012-2013 2013-2014 2014-2015	 4,72,000/- 4,77,000/- 4,08,000/-	6,36,458 6,96,855 7,65,324 1,21,689
e)	Computer + LCD projector + Laptop + Printer	2011-2012 2012-2013 2013-2014 2014-2015	 2,30,000/- 2,50,000/- 4,80,000/-	3,23,232 2,96,442 20,630 45,304

4.4.2 Institutional Mechanisms for Maintenance and Upkeep of the Infrastructure Facilities and Equipment of the College

For routine maintenance of the civil structures of the college, management of college has engaged a civil engineer. The contractors are engaged for a particular work on the basis of lowest quotation along with their reputation. The work is supervised by part – time civil engineer. For new construction external architects are hired. According to his / her directions the civil constractors perform the job.

The college has workmen who are engaged round the year in either manufacturing or repairing of furniture, fitting, facility system like electrical and water supply network. The generators are regularly maintained for continuous supply of electricity. Sweeper is engaged to clean all the toilets.

For the maintenance of computer system related gadgets and network facility, the college has Annual Maintenance Contract with private service provider.

4.4.3 Frequency of calibration and other Precision Measures for the Equipments/ Instruments of Institution.

The college has work agreements with the local service providers and AMC with companies to service, calibrate and repair the several types of measuring equipment in the different labs.

WBSEDCL has installed one separate transformer of 1.5 KV for the college campus to cope up with increasing electrical load.

4.4.4 Major steps taken for Location, Upkeep and maintenance of Sensitive Equipments

The college has its own transformer and two generators that ensure uninterrupted supply of electricity.

The college has a branch of Syndicate Bank within the college campus.

For constant supply of water, good numbers of overhead tanks and distribution networks have been provided throughout the campus.

The college provides purified and safe drinking water all over the campus and hostel.

The college has full time electrical, plumbing technicians and pump operators who keep vigil over all the electrical and water supply systems.

Regular and stabilized electricity supply is maintained with the help of voltage stabilizer for the smooth functioning of the laboratories and its instruments.

This institution always plans ahead to ensure that the infrastructure development keeps pace with its academic growth and that the available infrastructure is optimally used. Additions are made and existing ones are repaired wherever need arises.

Safety and security measures in campus and hostel premises

- The campus is well covered by guard wall
- 24 x 7 security deployment for supervision
- All laboratories and sensitive areas are equipped with fire extinguisher.
- Liaison maintained between the college and local administration including police forces.

CAMPUS : T.D.B. College Road, Raniganj Burdwan

Block A	Three storied building
Block B	Three storied building
Block C	Three storied building
Block D	Three storied building
Block E	Three storied building
Urdu P.G building	Two storied building
Vivekananda Bhavan	Two storied building
Play ground	
Garden	
Quarters	
Binoy Chowdhury open air stage	
Boys Hostel	

Located at campus : Administrative Block, Departments of Arts, Science and Commerce, Central Library, Urdu P.G U.G. Department, Medicinal Plant Garden, Flowering Plant Garden, Open Air Stage, Student's Union room, Teaching and Staff quarters, Guard room, Canteen, Boys' Hostel, Play Ground.

CRITERION V: STUDENT SUPPORT AND PROGRESION

5.1 Student Mentoring and Support

5.1.1 Prospectus

The institution publishes its updated prospectus annually, before the start of admission process. The Prospectus contains general information about the college and particulars of Under Graduate Courses. [Students of Urdu (PG) course are selected through central counselling conducted by The University of Burdwan]. The prospectus is given to applicants along with the application forms at the time of admission. It aims to acquaint the students with the curricular, co-curricular, extracurricular and administrative features of the college. The following information is contained in the prospectus:

- The vision, mission and objectives of the college
- Constitution of the Governing Body
- A brief introduction of the college
- Courses offered and subjects taught
- Intake of students in different streams and subjects
- UG and PG faculty, Departments and staff
- Admission procedure
- Fees structure
- Support/facilities offered like college canteen, Play ground, common Rooms, Career Counselling cell etc.
- Infrastructure facilities like libraries and Boys Hostel.
- Reservation for SC/ST/OBC/Physically Handicapped students
- Information regarding NCC and NSS
- Information regarding students' union.

Commitment

T.D.B College, with its holistic approach, is committed to provide Higher Education to the students residing in the coalfield and rural areas around Raniganj to enable them to establish themselves in society. A wide range of courses are offered to students by the college. Facilities like free-ships are provided to poor and talented students. In addition to providing curricular and Co-Curricular programmes students are intimated about future career options through seminars conducted by the Career and Counselling Cell of the College. A 10-day long employability programme organised by *Tata Consultancy Services* together with the NSS unit of the College was appreciated by the students. Six students were selected for jobs in TCS. More grooming sessions are planned to enable the students to compete successfully in interviews for jobs. The College has taken care of its social responsibility through its NSS unit. The unit has adopted two wards of Asansol-Municipal Corporation. The NSS and NCC units also conduct Blood donation and health check up camps. Thus the College tries to fulfil its commitment to produce students who are academically strong and sound, morally upright, socially aware and responsible citizens of India.

The Institution is aware of its responsibility and accountability towards its stakeholders. Feedbacks are collected from III (Third) year students of the

college just before their final examinations. They are given one questionnaire and asked to rate the various infrastructural facilities provided by the College and another to rate the faculty members in respect of various aspects of teaching and learning. The data so collected are analysed to identify areas that need improvement. Appropriate action is then taken.

5.1.2 Type, number and amount of institutional scholarships/ free-ships given to the students during the last four years and timeliness of their disbursement.

Financial aid is available in the following forms:

- **Govt Scholarships:** Stipends for SC/ST students and National scholarships for the meritorious students are sanctioned by State Govt. and Central Govt. through the college.
- **Student Aid Fund:** This fund helps the poor meritorious students to submit their university examination fees.
- **Free Studentship:** Full or half free concession is granted to poor and meritorious students as per Govt. rules.
- The college has a Stipend Committee comprising a teacher as convener, the welfare secretary of students union, 6 other teachers and two non-teaching staffs who conduct counselling session for selection of free studentship from first year students of science, arts and commerce.
- Assistance to poor but meritorious students from Students aid fund of the college.
- The Alumni association of the college provides the educational expenses of ten students on a merit-cum-means basis.

All financial aid is available and disbursed in time as per requirement.

Table 5.1.2: Financial assistance given to students by college authorities

Serial no	Academic Year	Full-free student ship	Half free student ship
1	2011-2012	184	159
2	2012-2013	185	206
3	2013-2014	175	165
4	2014-2015	209	172

5.1.3. Number of students receiving financial assistance from State Govt, Central Govt and other national agencies.

Table 5.1.3: Financial assistance given to students by State/Central Govt. and other National agencies.

Serial no	Academic Year	SC	ST	OBC	Minority
1	2011-2012	344	42	105	491
2	2012-2013	282	61	34	377
3	2013-2014	312	87	98	194
4	2014-2015	185	51	42	188

5.1.4. Specific support services/ facilities available-

a) Students from SC/, ST OBC and economically weaker section-

College has reservations for them as per University and Government rules in both UG and PG courses. Application forms for aid from government sources are available with the college office. Duly filled up forms are sent to the concerned authorities by the college. The college also helps these students to open new bank accounts where they can receive this aid.

b) Students with physical disabilities-

College has reservation for physically handicapped students as per University and government norms. Ramps are provided in all main gates of the college. The Library, Canteen, College office, Bank, Toilet, Water supply all are located on the ground floor.

c) Overseas Students: NA

d)Students participation in various competitions/ National and International –

Several cadets of the NCC have participated in national and state level shooting championships and won medals. The details are given in the table below.

(A)GOVERNOR'S MEDAL

Sl No.	Category	Regimental No., Rank & Name	Remarks
1.	Adventure Activity	WBSD/08/102243, SUO Bipin Singh	For the year 2010-2011
2.	Do	WBSW/09/108248, JUO Bina Singh	Do
3.	Do	WBSW/11/108355, SUO Bilam Mahato	For the year 2012-2013
4.	Do	WBSW/12/108376 SUO Priti Kumari Shaw	For the year 2013-2014

B) SHOOTING ACHIEVEMENTS

Sl No.	Event	Date& Location	Regimental No., Rank & Name	Result
1.	Inter Directorate Shooting Championship	19-28 October, 2010, Jalandhar	WBSW/09/108248, JUO Bina Singh	Silver Medal
2.	20 All India G.V. Mavlankar Championship	16-27 November, 2010, Guwahati	(i)WBSD/08/102243, SUO Bipin Singh (ii)WBSW/09/108248, JUO Bina Singh	As Representative Cadets
3.	54 National Shooting Championship	15-24 January, 2011, Delhi	WBSD/08/102243, SUO Bipin Singh	Only Participation
4.	West Bengal State Shooting Championship	28-29 January, 2011,Kolkata	WBSD/08/102243, SUO Bipin Singh	Only Participation
5.	Best Cadet at Group Headquarter Level	5 April , 2011, Burdwan	(i)WBSD/08/102243, SUO Bipin Singh (ii)WBSW/08/102255, Doly Biswas	(i)3500 (ii)2500
6.	All India NCC Inter-Directorate Shooting	13-22 August, 2012, Asansol	WBSW/11/108355, SUO Bilam Mahato	Gold Medal
7.	46 West Bengal State Shooting Championship	2-6 October, 2013, Asansol	WBSD/12/108359, CDT Nikesh Kumar Barnwal	Gold Medal
8.	23rd All India G.V.Mavlankar Shooting Championship	6-15 November, 2013, Asansol	WBSW/12/108376, SUO Priti Kumari Shaw	Silver Medal
9.	57 National Shooting Championship	11-24 December, 2013 , Delhi	WBSW/11/108355, SUO Bilam Mahato	(i)One Gold Medal for the team (ii)Silver(Individual) (iii)Bronze(Individual)

e) **Medical assistance to Students: Health Centre, Health Insurance, etc.:**

The medical unit of the college is situated near the main gate. General physician visits the unit on a temporary basis on call. The unit has first aid

facilities. Students can consult the doctor free of cost. In case of emergencies the doctor is called and action taken on the basis of advice given by him.

f) **Organising Coaching Classes for Competitive Exams.**

There are no formal coaching classes for competitive examinations. However, students preparing for JAM are helped by teachers of several science departments.

g) **Skill Development (Spoken English, Computer Literacy, etc):**

TATA Consultancy Services together with NSS unit of the college held a 10 day employability training programme in the college in February 2015. The number of participants was 182, of whom 6 were offered jobs in the TCS. The Career and Counselling cell of the college plans to hold grooming sessions for third year students shortly.

There is a unit run by The Institute of Computer Engineers (India) under NIELIT in the college premises. Students of the college can enrol themselves in their courses to become trained computer professionals.

h) **Exposures of Students to other Institutions for higher learning/ corporate/ business house etc.:**

The department of history organised an exchange programme with the history department of Raniganj Girls College.

i) Support for "slow learners"

Slow learners are given extra attention by teachers outside class hours

j) Publication of Student Magazines:

Wall magazines are put up by different departments. The students of these departments get an opportunity to express their talent in writing and painting. Often these wall magazines are based on themes which are socially relevant. The boys' hostel also has its own wall magazine. The department of zoology has published a magazine called 'Chrysalis'.

5.1.5 Efforts made by the institution to facilitate entrepreneurial skills and impact of efforts.

The college has a Mulberry Garden where the study of Sericulture was promoted but has been temporarily discontinued due to lack of students.

5.1.6 Policies and strategies of the institution which promote participation of students in Extracurricular and Co-curricular Activities.

Students are encouraged to participate in extracurricular activities as volunteers of NSS and cadets of NCC. They are engaged in various social welfare activities throughout the year like participation in cleanliness activity, plantation of trees in college campus, environmental awareness

programme, human rights awareness programme, blood donation camp, etc. Students play football, cricket and volleyball in the college playgrounds. The annual sports are held for two days in winter, every year. Singing, dancing, recitation, painting, short story writing, quiz and other competitions and debates are held on an annual basis. Prizes are distributed on the last day of the annual social function of the college. A variety of cultural programmes is held during the annual social. Apart from this, the college also bears the conveyance to players for participation to different venues.

College celebrates Independence Day, Republic day, Birth day of Netaji Subhash Chandra Bose on 23rd January, College foundation day on 9th August and Language day on 21st February with the co-operation of NCC, NSS and students' union.

5.1.7 Support and guidance provided to the students in preparing for the Competitive Examinations.

Although there is no system of coaching to the students in preparing for competitive examinations. However, the career and counselling cell organises some seminar on career option of students of different stream. Many have appeared and qualified in various competitive examinations and most of them are successfully and efficiently working in India and abroad. A large number of students have qualified in School Service Commission examination. Many other students have cleared NET/SET. Prakash Kumar Das, Mrinal Kanti Mandal and Ganesh Rajak, ex-students of the college, qualified in NET/SET and are at present faculty members in the mathematics and physics departments, respectively, of this college. Many students have also qualified in WBCS examination and are employed by the state government. Numerous students have also cleared Banking examination and are placed in various Nationalised Banks. Many students of commerce are successful chartered accountant.

5.1.8. Counselling services made Available to the students.

The Career and Counselling Cell arranges academic and career oriented counselling departmentally. Periodical career counselling sessions have been conducted, where trained and qualified counsellors were invited as resource persons.

5.1.9. Structural Mechanism for Career Guidance and Placement of Students:

The College started a UGC Sponsored Career Counselling Cell on 20.09.2010. Several seminars conducted by this cell are:

- Sri Kaulik Ghosh a journalist who writes articles on career related matters in "Ananda-Bazar Patrika" and his team of experts gave seminars on Career-related issues and also organized a grooming session for students. Smt Parijat Bandyopadhyay, a free-lance journalist spoke of career opportunities in journalism.

- Mr. Kausik Auddy, Manager , Human Resources, Hinduja Global Solutions, organised an orientation programme for job recruitment .
- 'Jetking', computer hardware and networking institution, conducted seminar to invite students to attend one-day workshops organized by 'Jetking Information LTD' at Kolkata.
- Career and counselling seminars in the departments of Geography, Geology, Political Science, Philosophy, Mathematics, Electronics, Physics, Botany, Zoology, and Physiology.
- Career prospects in govt services through examinations conducted by the Union Public Service Commission (UPSC) – a seminar was delivered by Sushanta Bhattacharjee, (IAS) on 25th September 2014.

5.1.10. Student Grievance Redressal Cell

The institution has a women's grievance cell and an anti-ragging cell whose conveners are full-time faculty members.

- Students may report grievances, if any, to the Convener directly or through the Principal, who records them in a register.
- The grievances are placed in meetings of the cell and reports are submitted to G.B of the college.
- Finally GB takes the measures.

5.1.11 Institutional Provisions for Resolving Issues Pertaining to Sexual Harassment

- There is a Women's Grievance Cell with full-time lady faculty members.

No cases of Sexual harassment have been reported so far.

5.1.12 Anti-ragging Cell

There is an 'Anti-ragging cell' for prevention of harassment of students, particularly those of first year, by senior students, both at the college and in the hostel. The cell consists of two full-time faculty members and one non-teaching staff. No incident of ragging has been reported yet.

- Students may report grievances, if any, to the Convener directly or through the Principal, who records them in a register.
- The grievances are placed in meetings of the cell and reports are submitted to G.B of the college.
- Finally GB takes the measures.

There is a 'Hostel Advisory Committee' which works for the interest of hostel residents.

5.1.13 Welfare schemes made available to students by the institution

Subsidized canteen facilities and free medical check-up by college Doctor within the campus are available to the students if required.

5.1.14 Alumni Association of the college, its activities and major contributions

The college has a registered Alumni Association (Govt. regd. No. S/IL 52718 of 2008-2009), set up on 07.07.2007. It is a matter of pride for the college that some existing faculty as well as non-teaching staff are members of the association.

Our Alumni Association acts as a bridge between a glorious past and promising present.

- The college receives counsel and advice regularly regarding the all-round development of the college.
- The association also bears the entire cost of education in the college of ten poor meritorious students every year.
- The Alumni association felicitates the first three rank holders of each department with prizes every year.
- Alumni association has provided water tank (Sintex) And aquagard for the canteen to supply safe drinking water for students.

Some important alumni of the T.D.B. College are as follows-

1. Sri Srikrishna Gupta , Chartered Accountant (one of the earliest graduates from the college)
2. Sri Rajendra Prasad Khaitan ,President ,Raniganj Chamber Of Commerce
3. Prof Rabindranath Dikshit , Retired SGL of English ,T.D.B. College
4. Sri Bansa Gopal Choudhury ,Ex-MP,Ex-MLA ,Ex-Minister in Govt. of West Bengal
5. Sri Biman Chakraborty , Social Worker , Retired Employee , T.D.B. College
6. Sri Ananda Kumar Mukherjee , WBHJS, Joint Secretary (Law), Department of Health and Family Welfare, Govt. of West Bengal.
7. Dr. Tanay Dutta Gupta ,Director ,Geological Survey of India
8. Dr. Rajat Subhra Chatterjee , Director ,National Remote Sensing
9. Sri Krishnendu Ghosh , Sclumberger
10. Prof. Atanu Roy, Associate Professor, Dept. of Commerce, TDB College.

5.2 Students Progression

5.2.1 Percentage of Students Progressing to Higher Education or Employment

Students progression	Percentage (%)
UG to PG	Approx 70% students from all streams
PG to M. Phil	10% (Approx)
PG to PhD	5% (Approx)
Employment • Campus selection • Other than campus recruitment	 Negligible No records available

5.2.2 Programme wise Pass Percentage and Completion Rate (last four years)

Examination results of UG (programme wise) and PG in tabular form is provided in section 2.6.2.

5.2.3 Facilitation of Student Progression to Higher Level by Education /or Towards Employment

- The 'Career and Counselling cell conducts seminars to guide students about opportunities in higher education and employment.
- Some science departments help aspiring students to prepare for entrance examinations for post graduate studies like JAM.
- Advanced learners are encouraged to participate in various academic programmes held in other Institutions.
- Eminent Scientists were invited to motivate students, through seminars, to pursue research work in future.

5.2.4 Special Support Provided to Students at Risk of Failure and Drop out

There are no special provisions for drop outs.

Students at risk of failure are regularly counselled by the departmental teachers and motivated positively by providing extra books, notes and also other help.

5.3 Student Participation and Activities

5.3.1 Sports, Games, Cultural and Other Extracurricular Activities available to students. Participation and Programme Calendar.

In addition to intellectual development, physical, cultural and other extra – curricular activities are essential for all –round progress of the students. To this end, the College promotes cultural programmes, and organises singing, dancing, elocution and other competitions through the Students' Union.

Immediately after admission to the college, students are encouraged to enrol in the NSS and NCC.

Participation in these extension activities helps to develop a sense of social responsibility in them.

The interested students participate in Track and Field, Indoor games (like Table tennis, Badminton, Carom) competitions, Gymnastics and outdoor games like Football, Cricket and Volleyball.

Details of programmes of sports activities-

- Students of the college in different streams in our college (both boys and girls) participate in the annual sports meet and games.
- The students participate with much enthusiasm in the Inter-Non – Govt. College Athletic meet and football tournament in district, university and state level in every year.
- The students actively participate in the Inter-College competition of games and sports conducted by the affiliated university every year.
  Cultural and other extracurricular activities such as Mock parliament, Cultural competition etc., participation in NSS/NCC.

NSS programme (Year wise)

Work report for year 2011-2012 (unit- I & II)

- Total no. NSS volunteers participated-136
- In this year, our T.D.B. College NSS (units -I & II) organised workshop/ seminars at adopted village on Environmental Pollution, Blood donation utility, Anti- Superstition and Human rights etc.
- Conducted orientation courses for the NSS volunteers about NSS and objectives.
- Campus work for the benefits of institution for Laying Garden, cleaning Parthenium Plants, Plantation of useful trees, Development of Playground, Cleaning of college campus, awareness about bad effects of Parthenium plants, Seminar on Global Warming and Water Harvesting etc.
- Arranged procession against "Smoking and Pollution"
- In addition to this our NSS volunteers organised Independence day, NSS day on 24th September, World AIDS day, National Youth day on 12th January with procession, Republic day and International Women's day.
- Arranged Procession against AIDS, HIV. Human rights, Worlds AIDS Celebration by Drama, Recitation etc.
- Deployed as National Youth Crops (NYC) volunteers from 05th December, 2011.
- The volunteers also organised special camp at slum areas of Raniganj Bauri Para and Manashatala regarding awareness of health Drug, Abuse, environmental pollution through seminars , workshop, lectures as well as drama etc.

Work report for the year 2012-13 (Unit -I & II)

- ❖ Total Number of NSS volunteers participates 133 students.
- ❖ In this year our NSS volunteers attended workshop /seminars at adopted village on environmental pollution, blood donation utility, anti-superstition and human rights organise by the TDB College, NSS Units.
- ❖ Conducted orientation courses for the NSS volunteers about NSS and objectives.
- ❖ Campus work for the benefits of Institution Laying Garden, Cleaning Parthenium plants, plantation useful trees , development of play ground, cleaning of College Campus, awareness of drinking water, blood grouping importance etc.
- ❖ Awareness about 'Smoking & Pollution'.

- ❖ Celebrates Independence Day, Republic Day, NSS Day on 24th September, World AIDS Day on 24th September, International Women's day and National Youth Day on 12th January. Deployed National Youth Crops (NYC) volunteers from 5th December, 2011.

Work Report for the year 2013-2014(Unit-I& II)

- Total No. Of NSS Volunteers participated 76students
- Attended workshop/ seminars at adopted village on environmental pollution, blood donation unity, anti- superstition & human rights organised by the T.D.B College NSS Units.
- Campus work for the benefits of the Institution for laying garden, cleaning Parthenium plants , plantation development of play ground, cleaning of college campus, awareness of drug abuses, AIDS, pollution education, seminars of water harvesting etc.
- Arranged procession against "smoking", "Pollutions"
- Celebrates Worlds AIDS Day, National Youth day, on 12th January with procession, Republic day, & International Women's day
- Attended Pre-REPUBLIC DAY Selection Camp at Kharagpur on 25th August, 2013 and Pre-REPUBLIC DAY Camp at Calcutta University on 21st -30th October, 2013.
- Attended National Youth Festival Camp, 2014 at Ludhiana (Punjab) on 12th - 16th January 2014
- Attended as a contingent Leaders from W.B. State with 10 volunteers of the college. Our volunteers also participated for "NATIONAL INTEGRATION CAMP FOR WOMEN" (NIC) from 30th January to 07th February, 2014 held at Karnataka State, Bijapur.

Work Report for the Year 2014-2015

Total No. of participated NSS volunteers are 136 students.

- ➢ In this year, our NSS volunteers attended workshop/seminars at adopted village on Anti-Superstition, Human Rights, Thalassaemia, Environmental pollution organized by the T.D.B. College NSS.

- Our NSS volunteers also conducted orientation courses for aims and objectives of NSS.
- Various campus work for the benefits of the Institution for laying garden, cleaning Parthenium weeds, Plantation, Development of Playground, cleaning of college campus, Seminar of Global warming and water harvesting etc.
- Arranged seminar on "Awareness of Thalassaemia and Thyroid" on 28.11.2014.
- Arranged seminar on "Conservation of health and hygiene by the way of greenery and cleanliness" on 19.09.2014. Resource person came from Burdwan University.
- We celebrates Anti-Superstition day on 22.08.2014 in collaboration with NGO (Paschim Banga Bigyan Mancha)
- We also celebrate "Swachha Bharat Aviyan" on 14.11.2014 in our college campus and arrange procession for campaign "Swachha Bharat Aviyan" on 15.11.2014
- In addition to the above said programme, our NSS volunteers also celebrated various social programmes such as –

i. Independence Day with parade.
ii. NSS Day on 24th September by the seminar
iii. World Aids Day
iv. National Youth Day on 12th January with procession
v. National Youth Week followed by cultural functions.
vi. Republic Day with Parade
vii. International Women's Day

- Attended pre REPUBLIC DAY Selection camp at Kharagpur (2 Boys, 2 Girls) on 07.09.2011
- Attended pre REPUBLIC DAY east Zone parade camp at Kalinga Stadium, Bhubaneswar (Orissa) participated 2 boys and 2 girls.
- Attended as an only one contingent leader of West Bengal team (23 boys ant 23 girls) Smt Chandana Bhattacharjee (khan) programme officer unit II of T.D.B. College East Zone pre REPUBLIC DAY Parade camp at Kalinga Stadium, Bhubaneswar (Orissa) from 9th October to 18th October 2014.
- B. A. 2nd year student, Sri Gopal Das, attended Republic Day Parade camp in New Delhi from 31.12.2014 to 31.01.2015.
- NSS volunteers of the college for first time participated at West Bengal State Republic Day camp in 2015 at Red road, Kolkata.
- Attended state REPUBLIC DAY Parade camp at YMCA from 12.01.2015 to 27.01.2015 and 3 girls and a boy participated from our college.
- Organized 10 day employability training programme by TCS from 24.02.2015 to 05.03.2015 where 89 girls and 93 boys participated.
- The unit also organized a blood donation camp in our college in assistance with "Bankura Voluntary Blood Donor Society". In this camp 96 student donated their precious blood.

5.3.2 Major Student Achievement in Co-curricular, Extra-curricular, and Cultural Activities

The achievements of the NCC Cadets in games and sports are recorded above in section 5.1.4. (d)

Details of other major students' achievements are listed below:

- B. A. 2nd year student, Sri Gopal Das, attended Republic Day Parade camp in New Delhi from 31.12.2014 to 31.01.2015.
- NSS volunteers of the college for first time participated at West Bengal State Republic Day camp in 2015 at Red road, Kolkata.

5.3.3 Feedback Mechanism

The College has a centralized mechanism to collect feedback from its third-year students before their final examinations with a view to improve the growth and development of the College. Students are given feedback forms where they are expected to give opinions about their teachers in respect of various teaching aspects. They are also given a separate form where they are asked to rank different infrastructural facilities of the college like library, canteen, drinking water facility etc. The information so collected are analyzed by IQAC in consultation with the Principal to identify the problems that need attention. Necessary steps are then taken.

5.3.4 Publication of catalogues, Wall Magazines (from year)

Various departments like English, Bengali, Geography, Hindi, History, Urdu, Physics, Mathematics and Statistics put up wall magazines at least twice every year. Various academic themes and contemporary issues are covered by these magazines. These magazines are mainly prepared by the students, sometimes with guidance from teachers. In this way, students get an opportunity to showcase their talents. The Boys' hostel also has its own wall magazine.

5.3.5 Students' Council

The College has its Students' Union which is the representative body of all its students. The students' representatives are directly elected every year by bona-fide students of the college in accordance with the provisions in the statutes of the affiliating University by means of secret ballots. The Principal/ Teacher-in-charge of the college is the president of the students' union. The union has seven departments - cultural, welfare society, games, magazines, vigyan (science), boy's common room and girl's common room. Each department has a teacher as vice president, who guides the activities of the students.

The General Secretary and other office bearers of the students' union are elected from among the newly elected class representatives. The General Secretary of students' union communicates the problems of students to the college authorities. By virtue of his post he is a member of the Governing Body of the college, where he represents the student community of the college.

The Students' Union organises a delightful annual cultural programme "Utsab", newly named "Mrittika" and carries out many recreational activities like students' fresher's welcome programme "Nabin Baran", annual sports,

Teachers' Day Celebration, Saraswati Puja and cultural competitions in the college.

Students' union takes an active role in the process of awarding of student free-ships from the student aid fund of the college.

All the above mentioned activities are funded by the college. The required fund is collected at the time of students' admission under the head of 'Union Fees'.

All activities of the student union are based on the following aims and objects:

a) Maintenance of unity among students and cordial relation with teachers and non teaching staff.
b) Promotion of discipline, sense of responsibility, integration and brotherhood among the students.
c) Promotion of academic, scientific, cultural, and social interest among students
d) Providing of financial aid to needy and poor students.

5.3.6 Academic and Administrative bodies having Student Representatives

The General Secretary of the democratically elected students union represents the student community in the Governing body, which is the highest decision making administrative body of the college. Apart from G. B. the General Secretary is also a member of different committees like sports, Canteen, career counselling cell etc.

5.3.7 Networking and collaboration with the Alumni and Former Faculty of the Institution

TDB College Alumni Association is a registered body of former students. It is a bridge between former and current students of this college. The Alumni of the college are well disposed towards their alma-matter and they are eager to further its development. The college authorities welcome any assistance from the alumni association for the benefit of the present students.

The former faculty of the college exchange and share their views, knowledge, experience with the existing faculty members and give valuable suggestions regarding the further development of the departments of the college. Former teachers of this college are sometimes invited to give talks to students. On 12th January, 2013 the NSS unit of this college invited Prof. Dulal Chandra Singha Roy to deliver a lecture on "Swami Vivekananda".

CRITERION VI: GOVERNANCE, LEADERSHIP & MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 The vision and mission of the Institution and how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and values :

Trivenidevi Bhalotia college is the second institution of higher education in Asansol Sub-division in respect of seniority. The college was established in 1957. Since then it has been trying its level best to cater to the needs of the society to establish itself as a premier institution in the coal belt area of West Bengal.

e:

- Impart value-based education keeping in mind the cultural heritage of our motherland.
- Educate and equip young generation to meet the challenges in the midst of rapid societal change.
- Provide efficient and effective, and of course result-oriented teaching to the learners so that they can test the time by their own achieved skills.

Our students are motivated to participate in NSS and NCC programs to inculcate a sense of social responsibility, obligation, service to the nation and good citizenship within their psyche.

The students who are deprived socially and economically are provided academic, financial and above all mental support just to cater to their socio-economic needs. The college has been continuously supporting students in the form of free studentship, scholarships, remedial classes, counseling. Teachers are also motivated to donate books to the needy students.

The vision for the future is to make this institution a centre for job-oriented education so that our students may serve the nation and make West Bengal proud.

6.1.2 Role of Top Management, Principal and Faculty in design and implementation of its quality policy and plans:

The top management i.e. the Governing Body, Principal /TIC and faculties take a pioneering role in order to frame policies, programs, guidelines and to execute these effectively. The implementation of these policies and plans are usually done through setting up of different committees.

- The committees work in coordination with aforementioned apex body of the institution.
-

The Governing Body determines policies, programmes and ultimately controls the overall administration.

- Different committees along with the Principal /TIC, Secretary of the Teachers' Council, departmental heads, Bursar, Coordinator of IQAC, G.S. of the students' union work as a cohesive group to attain the desired target of good academic atmosphere.

6.1.3 Involvement of the leadership in ensuring smooth running of the Institution:

- The policy statements and action plans for fulfillment of the stated mission.
- Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan.
- Interaction with stakeholders.
- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders.
- Reinforcing the culture of excellence
- Champion organizational change

The leadership is exercised through consultation in the institution. This is exercised in such a manner that the followers in different forms give their commitments spontaneously.

- The highest body of the college along with the Principal/TIC lead from the front in order to monitor and control administration.
- The heads of the department play a crucial role in framing out the academic matters.
- Library committee consisting of Librarian ,Teachers from various departments, non – teaching staff meet occasionally to frame the policy and programs regarding proper maintenance of books and journals, reading facilities both for the teachers and the taught.
- The Teachers' Council acts as the academic advisor y body in the college.
- The IQAC maintains and also assures the quality of the management in an academic atmosphere.
- The Finance Committee is entrusted with the formulation of the policies for proper and timely utilization of the allocated funds received from the Govt. , UGC and fees collected from students to the departments as per their requirements

The various departments frame the policies to complete the recommended syllabus by the respective Board of Studies of the University in proper time.

- The non- teaching staff, who are considered to be the life blood of the college, actively help the administration regarding admission of the students, examination, documentation and last but not the least, day to day office work and departmental supporting work.

6.1.4 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 Principal implements the policies and plans adopted by the highest body of the college in the following manner:

- To hold meetings with departmental heads, different sub-committees, non-teaching staff regarding curricula, master routine, monitoring the proper allocation of routine to different faculties, college & university examination etc.
- To prepare academic calendar and prospectus with the help of Admission and Prospectus sub-committee.
- To review the university results for different subjects and receive the effective feedback from the departments.
- To monitor the proper functioning of library and to find out ways and means of improving its facilities.
- To arrange motivational classes of the students with active cooperation of the NSS to achieve academic excellence & build up morale of the students.
- To disseminate information about job prospect through the placement cell.
- To look after the problems faced by the students through the counseling and grievance cell.
- To allocate budget to the department as per their requirement and necessity.
- To take care of proper and effective utilization of its resources specially human resources and material resources, for the attainment of its desired target of academic excellence.

6.1.5 Details of the academic leadership provided to the faculty by the top management:

Representative of the faculties take part in the management.

- The faculty plays a leading role in admission, conducting examinations, and extra-curricular activities.
- Different committees have been formed with specific assignment with the inclusion of teaching and non-teaching staff in it.
- These committees execute the assigned job for the academic, administrative and student welfare activities.
- Three faculty, two non-teaching staff and the G.S. of students form part of the Governing Body of the college that actively help the college in its administration.

6.1.6 The college groom leadership at various levels:

The college adopts various practices for effective execution of leadership at various levels.

- College has adopted on-line admission process from the session 2015-16.

- Continuous evaluation of the academic routine of the teachers.
- Departmental autonomy is given for the need based purchase and issue the purchase order to the respective companies or vendors after being forwarded by the principal/TIC.
- College office is partly computerized.
- All Science, Commerce departments along with the Urdu PG department are computerized.
- Central Library of the college is computerized and coding system is going to be completed.
- The college observes Independence Day, Republic Day, Teachers' Day, Language day every year and in this respect NCC & NSS conducts various programmes to impart high morale to the students.
- Students' Union celebrates the Fresher's Welcome for the newly admitted students and also arranges a Grand Social function & Annual Sports meet.

6.1.7 Delegation of authority and providing operational autonomy to the departments / units of the institution and work towards decentralized governance system:

The college delegates authority and provides operational autonomy to the departments and ensures decentralized governance system in the following way**:**

- Module tests ,class tests and sent-up tests
- Cultural activities
- Setting up the departmental library
- Operational autonomy regarding departmental infrastructure.
- Purchase of departmental books, journal funded by the UGC & also by college
- Allotment of special classes for the academically poor students, if necessary.

6.1.8 Promotion by the College of a culture of participative management and its various levels:

The college promotes the culture of participative management. This participation in management is ensured through:-

- Teaching, Non-teaching & student representatives in the Governing Body.
- Teaching, non-teaching members are also included in different sub-committees like Finance Committee, Development committee, PF committee, Purchase Committee, Library Committee, Academic Committee. Centre committee, Canteen committee.
- The Governing Body President meets r regularly with the teacher's council & non-teaching staff to get the feedback and make policy and programmers accordingly.

6.2 Strategy Development and Deployment

6.2.1 The Institution's formally stated quality policy and it's development, deployment and review:

The institution has a formally stated quality policy in the form of academic and other related matters and is displayed in the prospectus and college website & the aforementioned policies are developed, driven, deployed and reviewed each and every year by the respect committees.

6.2.2 Prospective plan for development by the Institution and the aspects considered for inclusion in the plan :

The institution has a perspective plan for development in the field of academic and socio-cultural spectrum by:-

- Setting up e-class room for the benefits of teachers and the taught.
- Providing departmental rooms for humanity subjects.
- Expanding social service schemes.
- Inculcating the sense of research work at the grass root level among the students of 3rd year after introduction of environmental project in their curricula.
- Remedial courses to mitigate the demands of the academically poor students.
- Introducing various types of cultural programmes.

6.2.3 Description of the internal organizational structure and decision making processes:

The college adopts the internal organizational structure of decision making process in the following way:

- The Governing Body of the college is the apex body which acts as the supreme authority of the college and it makes plans and policies and takes decisions and finally evaluates those after its proper implementation and execution by the various committees.
- Teachers' Council being the academic advisory body of the college administration takes decision and recommends to the Governing Body for its approval. T.C also takes sole responsibility relating to Admission, Examination under the guidance of G.B.
- There are other matters relating to admission, examination, finance, purchase which require the decision to be taken by the respective committees and to get its final approval from the Governing Body.

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

- Teaching & Learning
- Research & Development
- Community engagement

- Human resource management
- Industry interaction

Teaching & Learning

- Thrust area of the Institution is not confined to mere physical presence of the students but it should be sheer mental involvement of the students in the class room.
- Issue of academic calendar amongst students at the beginning of the new session which includes among many the schedule of college examination, etc.
- Teachers' Council regularly reviews the overall academic scenario of the college and suggests ways to improve it qualitatively.
- Introducing scientific innovation in the existing programmes, like e-class rooms.

Research & Development

- Modernization of laboratories.
- access of e-journals.
- Smooth running of minor and major research project under the UGC scheme. Inculcating the very necessity of research work (Environ mental Science based) among the students by introducing projects and assignment.
- Publication of journal by Department of English is in process.
- Community Engagement
- The college holds through its NSS wings a number of community development programmes. These programmes are initiated for the economically and socially downtrodden.

Human Resource Management

Human resource is the most precious resource in any organization. Our institute has been trying since long for an effective and efficient use of this resource for creating good academic atmosphere. This is followed through-

- Performance evaluation of the Teaching staff.
- Providing staff welfare schemes.
- Providing infrastructural facility for research both for the teachers and the taught.
- Educate the staff in computer to develop operational skill.
- Encouragement to the faculties to pursue academic courses.

Industry Interaction.

- There is no formal college- industry interaction. However, some students of the college have been recruited by companies like Shyam Steel Industries and Tata Consultancies Services.

6.2.5 Process by which the Head of the institution ensures that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution:

- The head of the institution ensures that adequate information is available for the top management in the following ways :-

- Gathering information after interaction with the students
- Students' feedback
- Recommendation from the various committees.

6.2.6 The management encourages and supports involvement of the staff in improving the effectiveness and efficiency of the institutional processes :

- The teachers are constantly encouraged to participate in various seminars, presenting papers in seminars, writing for national and international journals, though no special infrastructure is provided to the teachers for their ongoing research activities and carrying out their projects.
- As non-teaching staff are part and parcel of this college, each and every effort is made in their involvement not only in the office room but to help administration in all aspects in general and the examination process of the college in particular.
- Management encouragement in this respect is possible because there exists a cordial relationship among students, teaching and non –teaching staff. Neighboring people also extend help to improve the effectiveness of the academic atmosphere o f the college.

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

The college administrative body has made a number of resolutions on academic, administrative, financial and other important matters and adopted resolutions have been properly implemented.

6.2.8 Provision for according the status of autonomy to an affiliated institution:

The college is yet to apply or make an attempt for autonomy.

6.2.9 Ensuring that grievances / complaints are promptly attended to and resolved effectively and a mechanism to analyze the nature of grievances for promoting better stakeholder relationship:

A congenial atmosphere is prevailing in the institution for good academic atmosphere and there exists a cordial relationship among students and staff. There is Women's Grievance Cell and Anti-Ragging Cell. If there is any grievance or complaint, it is communicated to the appropriate cell or college authorities. If the quantum of grievances or complaints is large, then it is redressed by the concerned authorities for amicable solution.

6.2.10 Instances of court cases filed by and against the institution in the last four years with details on the issues and decisions of the courts:

Such Instances are Tabulated below :

1. Shasti Biswas vs College and DPI/ Appointed as Group-D staff, performed work of L.D.Clerk,but paid Group-D salary though an L.D.Clerk post lay vacant/ Case resolved with Mutual Understanding/W.P.No.21305(W) of 2011
2.Sisir Ganguly vs College and DPI/For appointment as Permanent Graduate Lab. Instructor/ Verdict in favor of Sisir Ganguly. Case No. W.P.No.16344(W) Of 2014

3. Haradhan Majumdar vs College and DPI/Case No. W.P.No.5627(W) of 2014/ for his pension and gratuity/ Settled in his favor

6.2.11 Mechanism of the Institution for analyzing student feedback on institutional performance and the outcome and response of the institution to this:

The student feedback is properly analyzed and reviewed, the shortcomings are identified and corrective measures are taken to prevent the recurrence of the same in future.

6.3 Faculty Empowerment Strategies

6.3.1 Efforts made by the institution to enhance the professional development of its teaching and non -teaching staff:

The teachers are encouraged to attend different seminars, conferences, symposium as mere participants to gather knowledge or as resource persons. Faculties are also encouraged to attend orientation courses, refresher courses conducted by the UGC for academic upliftment. The college has been providing good Laboratory facility for the setting up good infrastructure and this will make room for positive motivation of the teachers. The teachers are also

encouraged to conduct minor and major research programmes. When required, teachers have been granted study leave for ongoing PhD research / Post Doctoral Research. College also grants leave under FIP to carry out Ph. D degree.

- The departments are also encouraged to organize seminars. The teachers of various departments participate in the seminars. Non-teaching staff also take part in educating themselves about the latest development in the society.
- Non-teaching staff upgrade themselves through regular interaction with the Head Clerk, accountant and the Principal/TIC. They also get in touch with their Governing Body representative to learn about the decisions taken in the Governing Body.

6.3.2 Strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform:

The faculty are encouraged to attend the seminars and conferences, they are also encouraged to attend Orientation programmes and Refresher courses conducted by the UGC for their academic up-gradation.

- Some infrastructure is provided to the teachers for carrying out research work, minor and major projects.
- Programme Officers of NSS are encouraged to attend the orientation programme conducted by the affiliated universities.
- Motivational classes are also arranged by the NSS.
- Seminars are organized by the departments for the interaction among teachers of various institutions and this paves the way for growth in knowledge.

6.3.3 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:

- Performance appraisal system of the staff specially for the teachers is in vogue. It is initiated through student feedback at the time of sent-up test of the outgoing students.
- Few faculties also try to get feedback from their student in the classroom.
- The evaluation is properly assessed and measures are taken, if need be, to improve teaching -learning process, in order to build up ideal academic atmosphere.

6.3.4 Outcome of review of the performance appraisal reports by the management and the major decisions taken and the process of communication to the appropriate stakeholders:

The grass root level information is periodically received. Different committees discuss and make some recommendation for the vertical improvement of academic atmosphere.

Teachers' Council and the Academic Committee often meet together to discuss academic matters of the students and the outcome is conveyed either by the departmental teachers or by giving notice to the students.

6.3.5 Welfare schemes available for teaching and non teaching staff and the percentage of staff who have availed the benefit of such schemes in the last four years:

Various forms of welfare schemes are available both for the teaching and non-teaching staff.

- General provident fund for the permanent staff.
- Co-operative credit society for the permanent staff.
- Advances for Puja & Id festival are given not only to the permanent staff but also to the contractual and part-time staff.
- Medical unit has been running successfully in the college. One Medical officer visits once a week for providing medical check-up.

The staff are very eager to run the aforementioned schemes which ultimately make them loyal to the institute.

6.3.6 Measures taken by the Institution for attracting and retaining eminent faculty:

- Different departments of the college often invite eminent scholars to deliver lectures at seminars.
- The college, however, has not yet developed the advanced infrastructure for research to attract eminent teachers as faculty members.
- The college does not have the autonomy to directly recruit faculty members.

6.4 Financial Management and Resource Mobilization

6.4.1 The institutional mechanism to monitor effective and efficient use of available financial resources:

The college adopts different mechanisms to monitor the effective and efficient use of financial resources. The utilization of financial resources is being monitored by the Accountant and the Bursar with prior authentication and authorization of the Finance Committee. Each purchase is allowed after inviting proper quotation. In some cases, departmental autonomy is given for purchase of items of meager amount.

6.4.2 The institutional mechanisms for internal and external audit, last audit done and the major audit objections with details:

The college accounts are audited regularly. So far as internal audit is concerned , a team consisting of Accountant, Bursar, members of Finance Committee, and Principal/TIC supervises the preparation of accounts with the help of a Private Chartered farm. This system of maintaining accounts paves the way for error free accounts and it becomes easier for the external auditor to conduct college audit very smoothly.

The last audit was conducted for the financial year 2013-14.(The audit for the financial year 2014-15 is in process and is expected to be completed by March ,

2016.) the auditors' report is as follows:

C. Ghatak & Co.
Chartered Accountants

RB-40, Komrov Path, Bidhan Nagar
Durgapur - 713212
☎ : 2537511 / 9434474982 (M)

AUDITORS' REPORT

➢ **Report on the Financial Statements**

We have audited the annexed financial statements of **TRIVENI DEVI BHALOTIA COLLEGE, Raniganj 713347, District Burdwan** which comprise of the Balance Sheet as at 31st March 2014, the Income & Expenditure Account and the Receipts & Payments Account for the year ended on that date and a summary of the significant accounting policies and other explanatory information.

➢ **Management's responsibility for the financial statements**

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position and financial performance of the entity. These responsibilities include the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

➢ **Auditor's Responsibility**

Our responsibility is to express an opinion on these financial statements based on our audit. We have conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the unit's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of the accounting policies used and the reasonableness of the accounting estimates made by the management, as well as evaluating the overall presentation of the financial statement.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Triveni Devi Bhalotia College
2013-14

C. GHATAK & CO. Durgapur Chartered Accountants

➢ **Opinion**

Based on our audit our observations are given in the paragraphs below:

1) The Salary paid during 2013-14 has not been stated in the Income & Expenditure Account on Mercantile Basis and has been presented on Cash Basis. Salary for March 2013 paid in 2013-14 amounting to Rs 42,97,360 and Salary for March 2014 paid in 2014-15 amounting to Rs 44,64,092 has not been adjusted as is required under the mercantile system of accounting. ***This has resulted in understatement of expenses and deficit by Rs 1,66,732.***

2) Grant in aid received during 2013-14 has not been stated in the Income & Expenditure Account on Mercantile Basis and has been presented on Cash Basis. Grant in Aid for 2012-13 received in 2013-14 amounting to Rs 9,30,900 has not been adjusted as is required under the mercantile system of accounting. ***This has resulted in overstatement of Grant in Aid and understatement of deficit by Rs 9,30,900.***

3) Schedule of Current Liabilities reflect an amount of **Rs. 82,91,741** under the head of Asansol Treasury. No explanation has been given by the College explaining why such figure is appearing as liability and whether such amount is refundable to Asansol Treasury. In the absence of necessary explanations in this regard, we disclaim to offer any opinion on the correctness or existence of such liability appearing under the head Asansol Treasury.

4) The written down value (wdv) of Fixed Assets states a figure of Rs 81,72,529=78 being Cost of Assets (Rs 3,67,39,529=57) less accumulated depreciation (Rs. 2,85,66,999=79) as on 31/03/2014. Written down value of individual assets were not arrived at and consequently were not available for audit. Such bundling of assets into a single block of asset does not reflect the true position of the Fixed Assets of the college. In the absence of the required information with regard to the classification fixed assets as per the individual wdv we disclaim to offer any opinion on the existence, location, value, and quality or impairment status of any of the fixed assets mentioned therein.

5) Depreciation on fixed assets has been charged at the flat rate of 10% on the cost of the assets irrespective of the years in use. Since the assets are being carried in a bundle any anomaly remains under cover. In the light of the above we disclaim to offer any opinion on the adequacy or inadequacy of the quantum of depreciation charged during the year or its effect on the Deficit stated for the year.

6) The Provident Fund statement does not reflect the true value of the transaction vis-à-vis the Receipts & Payments Account. The difference is being given below:

Triveni Devi Bhalotia College
2013-14

Particulars	As per Receipts & Payment A/c	As per PF Statement
• GPF Employees' Subscription	61,05,068	66,85,981
• PF Loan Repayment	2,40,520	2,56,920
• PF loan payment	NIL	64,600
• PF Final payment	NIL	60,90,707

We have not received any satisfactory clarification explaining such anomalies. The statement of Provident Fund however is in agreement with the confirmation received from the Treasury and as such it appears to be wrong incorporation of figures in the books of accounts of the college.

7) Schedule of Current Assets include debit balances which have no value as on date and is nothing but expenditure already incurred or services already received appearing in the garb of Current Assets in the balance sheet. No future benefit will accrue to the college from out of such advances. The details of such expenditures as appearing in the Schedule of Current Assets are given below:

• Sandip Enterprise	Rs 5,000=00
• Leave Encashment	Rs 2,53,416=00
• NCC Contribution	Rs 23,158=00
• Subscription of cooperative	Rs 4,53,093=70
• Subscription Welfare	Rs. 33,185=00
• University Registration Fees	Rs 2,34,492=00
• Group Insurance Final Payment	Rs 1,73,385=45
• NCC Grant	Rs 1,66,400=75
• GSLIP	Rs 36,791=55

Thus the erroneous presentation of past expenditures as Current Assets and non-incorporation of expenditures has resulted in understatement of deficit and overstatement of Current Assets by **Rs. 13,78,922=45**.

8) Loans & Advances to Staff of Rs 72,674=88=88 includes prior year balances of Rs 18,589=88 which are not recoverable as on date and needs to be written off. No recovery is observed during the year in these accounts. This has resulted in understatement of deficit and overstatement of Advance to Staff by Rs 18,589=88.

9) Advances from Sub Funds:

a) An amount of Rs 84,490 has been adjusted and booked as expenditures from out of advance paid to Soumita Banerjee in Session Charges Fund. The whole expenditure has been substantiated by self made vouchers or non-commercial documents which do not vouch for the authenticity of expenditure incurred.

C. Ghatak & Co.
Chartered Accountants

RB-40, Komrov Path, Bidhan Nagar
Durgapur - 713212
☎ : 2537511 / 9434474982 (M)

b) An amount of Rs 58,069 has been adjusted and booked as expenditures from out of advance paid to Sumonto Chatterjee from out of Session Charges Fund. The whole expenditure has been substantiated by self made vouchers or non-commercial documents which do not vouch for the authenticity of expenditure incurred.

c) Loans & Advances from Sub Funds includes an unadjusted advance of Rs 15,000 given to Mr Soumitra Banerjee from Session Charges Fund. No statement of adjustment has been submitted for adjustment of such advances and we do not feel recovery of advance is possible at this stage.

The above mentioned sub-paragraphs a, b & c of paragraph (9) has resulted in expenditures which were not under the scrutiny of the college and we disclaim to offer any opinion on the authenticity of such expenditures in the Session Charges Fund.

Subject to the above,
in our opinion and to the best of our information and according to the explanations given to us the financial statements give a true and fair view in conformity with the accounting principles generally accepted in India:.

(a) in the case of the Balance Sheet, of the state of affairs of the above named entity as at 31st March, 2014:

(b) in the case of the Income & Expenditure Accounts, of the **DEFICIT** for the year ended 31st March, 2014

(c) in the case of the Receipts & Payments Accounts, of the movement of Funds during the year ended 31st March,2014.

For **C.GHATAK & CO,**
Chartered Accountants

C. GHATAK Durgapur Chartered Accountants

Date: 20the day of November 2015
Place: Durgapur 12.

(D. P.Ghatak, FCA)
PARTNER

6.4.3 Major sources of institutional receipts/funding and how the deficit is managed. The audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with institutions.

The major part of institutional funding is obtained from the State Govt. under Grant-in-aid schemes. Substantial grants are also received from the UGC. Another important source of institutional funds is students' fee. But, as per the new order of the state government 50% of this fee will have to be deposited to the Govt. exchequer.

The detailed audited income and expenditure statement is provided below for the financial years 2011-12 , 2012-13 and 2013-14. As mentioned above the audit for the financial year 2014-15 is in process.

TRIVENI DEVI BHALOTIA COLLEGE

Raniganj, Burdwan (W.B)-713347

INCOME & EXPENDITURE ACCOUNT OF GENERAL FUND FOR THE YEAR ENDED 31ST MARCH 2012

GENERAL FUND

EXPENDITURE		AMOUNT	INCOME		AMOUNT
To Arrears Pay & Allowance			**By Fees Received**		
2nd Inst.Arrear for N.T.S.	604,548.00		Admission Fees	383,280.00	
Arr. Paid to Lab. Inst.	72,697.00		Tution Fees of Students	4,378,389.00	
Arrear Paid to Teaching Staff	1,890,604.00		College Leaving Fees	8,000.00	
Arrear Salary P.T. Teachers	3,374,973.00		Comp.(H) Lab.Fees	20,000.00	
Arr. Salary Smt. Paramita Das	209,392.00		Comp/Sc. Fee	25,300.00	
Arr. Salary Jhulan Chatterjee	64,200.00	6,216,414.00	Computation Fee	92,645.00	
			Computer Hons. Fee	20,000.00	
Diff. of PAY			Electricity Fee	108,720.00	
Diff.of pay S.Biswas & sons	5,500.00		Excursion Fee	11,225.00	
Diff.to (A. Bondyopadhya)	80,620.00		Extra Curriculam Activity Fee	54,405.00	
Diff.of pay(Non.Teach. Staff)	124,540.00		Festival Fee	27,415.00	
Diff.of pay (Rakhi Choudhury & A. Ghosal)	25,084.00	235,744.00	Sericutture Fee	9,540.00	
			Tution Fee M.A(Urdu)	4,800.00	
Basic Pay			P.G.Migration Fee	350.00	5,144,069.00
Basic Pay to N. Teaching Staff	8,452,490.00				
Basic Pay to (N. Sarkar)	311,700.00		**Other Receipts**		
Basic Pay to Teaching Staff	26,383,680.00		Canteen Rent	2,400.00	
B.P. to (Smt.Purnima Bose)	252,755.00		Cost of Review Form	14.00	
Basic to Raj Kumar Layek	53,000.00	35,453,625.00	Donation Recd.(Bengali Dept.)	1,750.00	
			Sale of Forms	4.00	
Dearness Allowance			Reg. Fine	10.00	
D.A.Diff.(A. Bandyopdhya)	24,915.00		Review Forms	112.00	
DA. Diff. (Rakhi Choudhury & A. Ghosal)	5,519.00		Sale of Wooden Log	350.00	
DA. (N.Sarkar)	109,098.00		Sending Cost Recd. From Students	80.00	
DA. Diff. (Smt.Purnima Bose)	73,427.00		Students Hostel Building	15.00	
DA. Diff. (Smt.Parmita Das)	23,742.00		Zerox Ch. From Students	12.00	
DA. Diff. (N.T.S)	38,175.00		Regn. Form	15.00	4,762.00
DA. To N.T.S.	3,144,661.00				
DA. To Teaching Staff.	9,864,084.00	13,283,621.00	**Grants in Aid Received**		
			Grant Arrear For N.T.S.	302,274.00	
House Rent Allowance			Grant Arrear for Jhulan Chatterjee	256,560.00	
H.R.A.Diff to N.T.S	12,976.00		Arrear for Smt. Paramita Das	239,826.00	
H.R.A.Diff to(A.Bandyopdhya)	12,100.00		Grant Arrear for Smt. Purnima Bose	328,269.00	
H.R.A.Diff. to(Smt.Rakhi Choudhury & A. Ghosal)	3,763.00		Grant Arrear G.L.I	33,182.00	
H.R.A. to Non Teaching Staff	956,223.00		Grant Arrear (P.T.Teachers)	3,367,367.00	
H.R.A. to N.K.Sarkar	2,802.00		Arrear Salary for A.Bandyopdhya	112,246.00	
H.R.A. to Paramita Das	5,573.00		Arrear salary for T.S.(Whole Time)	32,888.00	
H.R.A. to Purnima Bose	17,965.00		Arrear (Teaching Staff)	4,738,663.00	
H.R.A. to Teaching Staff	2,060,536.00		Bonus (2010-11) N.T.S	109,200.00	
H.R.A. to V.Gahtak (Due)	369.00		Diff. Pay Sarathi Badyakar	3,250.00	
	3,072,307.00		Pay & Allowance (Teaching Staff)	34,187,604.00	
Less: Adj. of Cr Balance B/f	25,780.00	3,046,527.00	Grant H.R.A.Arrear for (V. Ghatak)	369.00	
Medical Allowance			Grant Leave Encashment (For Reted T/S & NTS)	280,360.00	
M.A.Diff (Smt.R.Chaudhary & A.Ghosal)	349.00		Grant Pay & Allow. 10/20 years	168,275.00	
M.A. to N. Sarkar	1,800.00		Grant Pay & Allow. for N.T.S.	10,765,353.00	
M. A. to Paramita Das	2,639.00		Grant Pay & Allow. For N.K.Sarkar	376,718.00	
M.A. to (Non Teaching Staff)	216,300.00		Grant Pay & Allowance for	2,656,470.00	
M.A. to (Teaching Staff)	196,500.00	417,588.00		57,958,874.00	
			Refund of PF Loan - TS & NTS	370,500.00	
Adj. of HRA : B. Pal		452.00	PF Subscription TS & NTS	5,474,000.00	
20Yrs.Benefit(smt.S.Badyakar)		3,250.00	P. Tax Realised (Net Amount)	244,157.00	64,047,531.00
Audit Fee to D. Gupta (2010-2011)		7,500.00	O/S Fee Recd. From Students		62,199.00
Bank Charges & D/D Comm.		7,108.10	O/S Tution Fee Recd.		2,350.00
Ceremonial Exp.		634.00	Excess Pay For N.T.S. realised		3,355.00
Balance C/f		58,672,463.10	**Balance C/f**		69,264,266.00

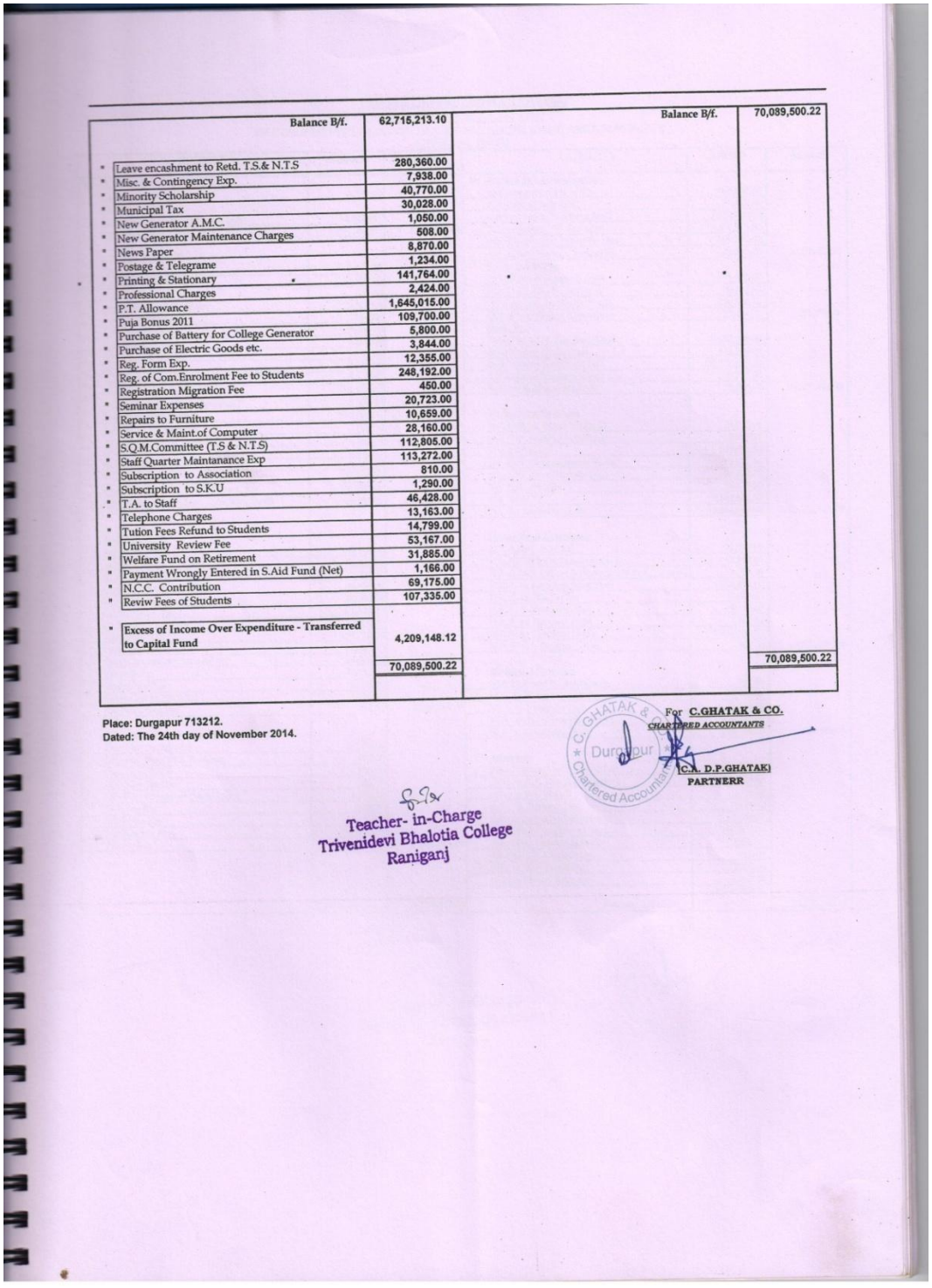
Teacher- in-Charge
Trivenidevi Bhalotia College
Raniganj

GHATAK & CO. Durgapur Chartered Accountants

	Balance B/f.		58,672,463.10		Balance B/f.		69,264,266.00
* **Allowances**				* **Other Fees & Fines Reced.**			
to Chinmoy Roy	2,400.00			Late Fine Admission	50.00		
to Jhunal Chatterjee	200,000.00			Late Fine from M.A Students	400.00		
to Kheyali Sarkar	3,750.00			Late Fine (T.Fee)	100.00		
to Mantu Das	2,400.00			Late Fine Reg. Fee	955.00		
to Rajesh Das	46,200.00			Late Fine Review of Exam Paper	1,450.00		
to Subhasis Kr. Chandra	3,500.00			M.A.Reg Fee	600.00		
Teachers in Charge	48,000.00		306,250.00	Migration Fee	14,050.00		
				Registration Fee	138,460.00		
				Review Fee	169,446.00		325,511.00
* **Contingency Exp**				* Scholarship From W.B.Minonties Dev.			3,600.00
Botany Dept.	17,319.00			* **Staff Quarter Rent Recd.**			
Electronics Dept.	15,573.00			Arrear from N. Sarkar	4,670.00		
Comp Science Dept.	2,150.00			from Non Teaching Staff	116,348.00		
Math Dept.	2,049.00			from N. Sarkar	2,802.00		
Physics Dept.	23,807.00			from Teaching Staff	107,459.00		
Chemestry Dept.	47,418.00				231,279.00		
Zoollogy Dept.	25,296.00			Add: Cr Balance B/f	207,336.80		438,615.80
Geogrophy Dept.	12,000.00			* T.A & W.A.(NCC Grant)			48,425.00
General Dept.	28,859.00		174,471.00	* Saraswati Puja Subscription			280.00
				* TDS Refund (Agst. F/D Interest)			8,802.42
* **Excurtion Expenses**							
Geology Dept.	576.00						
Physiology Dept	3,000.00						
N.C.Ray	2,000.00						
Zoology Dept.	5,000.00		10,576.00				
* **Laboratry Contingency Exp**							
Botany Dept.	925.00						
Statistic Dept.	1,700.00						
Physics Dept.	14,780.00						
Zoology Dept	2,480.00		19,885.00				
* **Remuneration**							
Remuneration Bill	14,880.00						
to Afroz Alam	18,250.00						
to Daily Rated Staff	22,865.00						
to Guest Lecturers	32,750.00						
to Monmita Pal	8,375.00						
to P.T.Guest Lecturers	11,500.00						
to P.T.Teachers	219,250.00						
to T.S.& N.T.S	1,200.00						
to Urdu P.G. Teachers	16,200.00						
to Urdu Teachers	14,200.00		359,470.00				
* Charge All to Tr. in Charge			10,000.00				
* Edu.Excurssion Subs.to (M. Bondopadhya)			1,000.00				
* Electric Charges			172,281.00				
* Electric Repairing Charges			1,156.00				
* Advertisement Exp.Md.W.Jamal			2,500.00				
* G.B.Meeting Exp.			24,855.00				
* Zerox Paper Pur.			1,150.00				
* Farewel Exp.to N.T.S.			100.00				
* General Lab. Expenses			12,003.00				
* Generator Exp.			2,654.00				
* Generator Servicing			530.00				
* Depreciation			2,919,717.00				
* I.Tax Interest			19,960.00				
* Library Book Binding			3,392.00				
* Lan Fitting Exp(Chem.Dept)			400.00				
* Lan Fitting Exp(Geogrophy Dept)			400.00				
	Balance C/f		62,715,213.10		Balance C/f		70,089,500.22

Teacher- in-Charge
Trivenidevi Bhalotia College
Raniganj

GHATAK & CO
Durgapur
Chartered Accountants



Balance B/f.	62,715,213.10	
Leave encashment to Retd. T.S.& N.T.S	280,360.00	
Misc. & Contingency Exp.	7,938.00	
Minority Scholarship	40,770.00	
Municipal Tax	30,028.00	
New Generator A.M.C.	1,050.00	
New Generator Maintenance Charges	508.00	
News Paper	8,870.00	
Postage & Telegrame	1,234.00	
Printing & Stationary	141,764.00	
Professional Charges	2,424.00	
P.T. Allowance	1,645,015.00	
Puja Bonus 2011	109,700.00	
Purchase of Battery for College Generator	5,800.00	
Purchase of Electric Goods etc.	3,844.00	
Reg. Form Exp.	12,355.00	
Reg. of Com.Enrolment Fee to Students	248,192.00	
Registration Migration Fee	450.00	
Seminar Expenses	20,723.00	
Repairs to Furniture	10,659.00	
Service & Maint.of Computer	28,160.00	
S.Q.M.Committee (T.S & N.T.S)	112,805.00	
Staff Quarter Maintanance Exp	113,272.00	
Subscription to Association	810.00	
Subscription to S.K.U	1,290.00	
T.A. to Staff	46,428.00	
Telephone Charges	13,163.00	
Tution Fees Refund to Students	14,799.00	
University Review Fee	53,167.00	
Welfare Fund on Retirement	31,885.00	
Payment Wrongly Entered in S.Aid Fund (Net)	1,166.00	
N.C.C. Contribution	69,175.00	
Reviw Fees of Students	107,335.00	
Excess of Income Over Expenditure - Transferred to Capital Fund	4,209,148.12	
	70,089,500.22	

Balance B/f.	70,089,500.22
	70,089,500.22

Place: Durgapur 713212.
Dated: The 24th day of November 2014.

For C.GHATAK & CO.
CHARTERED ACCOUNTANTS
(C.A. D.P.GHATAK)
PARTNERR

Teacher- in-Charge
Trivenidevi Bhalotia College
Raniganj

TRIVENI DEVI BHALOTIA COLLEGE

Raniganj, Burdwan (W.B)-713347

INCOME & EXPENDITURE ACCOUNT OF GENERAL FUND FOR THE YEAR ENDED 31ST MARCH 2013

GENERAL FUND

	EXPENDITURE		AMOUNT		INCOME		AMOUNT
To	**Arrears Pay & Allowance**			By	**Fees Received**		
	Arrear for N.T.S.	302,274.00			Admission Fees	457,585.00	
	Arrear Paid to P.R.Chatterjee	39,764.00			Tution Fees of Students	3,942,618.00	
	Arrear Paid to Teaching Staff	4,268,913.00			College Leaving Fees	10,960.00	
	Arrear Salary P.T. Teachers	6,224,536.00			Comp.(H) Lab.Fees	62,125.00	
	Arr. Salary Jhulan Chatterjee	449,400.00	11,284,887.00		Computation Fee	77,440.00	
*	**Diff. of PAY**				Electricity Fee	228,540.00	
	Diff.to Md. Fakruddin & P.K.Das		4,240.00		Excursion Fee	11,820.00	
					Extra Curriculam Activity Fee	57,655.00	
					Festival Fee	143,095.00	
					Sericutture Fee	13,460.00	
*	**Basic Pay**				P.G.Migration Fee	12,950.00	5,018,248.00
	Basic Pay to N. Teaching Staff	7,370,063.00					
	Basic Pay to Teaching Staff	25,706,396.00	33,076,459.00	*	**Other Receipts**		
					Canteen Rent	1,000.00	
*	**Dearness Allowance**				Donation Recd.	60,000.00	
	DA. Diff. (Md. Fakruddin & P.K.Das)	2,206.00			Sending Cost Recd. From Students	120.00	61,120.00
	DA. To N.T.S.	3,402,077.00					
	DA. To Teaching Staff.	11,859,795.00	15,264,078.00	*	**Grants in Aid Received**		
					Grant Arrear for Jhulan Chatterjee	255,900.00	
					Grant Arrear for P.R. Chatterjee	38,614.00	
*	**House Rent Allowance**				Pay & Allowance (P.T.Allowance)	3,850.00	
	H.R.A.Diff. to(Md. Fakruddin & P.K.Das)	636.00			Grant Arrear (P.T.Teachers)	3,504,106.00	
	H.R.A. to Non Teaching Staff	862,114.00			Arrear (Teaching Staff)	1,406,663.00	
	Refund of H.R.A. to C.S.Roy	467.00			Bonus (2010-11) N.T.S	117,500.00	
	H.R.A. to Teaching Staff	2,026,446.00	2,889,663.00		Pay & Allowance (Teaching Staff)	38,381,133.00	
					Grant Leave Encashment	1,807,978.00	
					Grant Pay & Allow. for N.T.S.	11,107,342.00	
						56,623,086.00	
					Refund of PF Loan - TS & NTS	613,355.00	
					PF Subscription TS & NTS	5,542,799.00	
					P. Tax Realised (Net Amount)	271,079.00	63,050,319.00
*	**Medical Allowance**				O/S Fee Recd. From Students		82,569.00
	M.A. to (Non Teaching Staff)	187,100.00					
	M.A. to (Teaching Staff)	176,874.00	363,974.00				
				*	**Other Fees & Fines Reced.**		
	Audit Fee to D. Gupta (2009-2010) & (2010-2011)		8,000.00		Late Fine (College Leaving Fees)	500.00	
	Bank Charges & D/D Comm.		6,342.00		Late Fine (T.Fee)	250.00	
	Festival & Ceremonial Exp.		80,105.00		Late Fine Reg. Fee	30.00	
					Late Fine Review of Exam Paper	1,000.00	
*	**Allowances**				Migration Form	2,660.00	
	to Satyajit Das	60,900.00			Review Fee	185,212.00	189,652.00
	to Jhunal Chatterjee	30,000.00					
	Teachers in Charge	60,000.00	150,900.00	*	Reimbusement of Conference Expenses in China		63,252.00
				*	Misc.Income		72.00
				*	Refund of Dress Allowance		400.00
*	**Contingency Exp**			*	Refund of Medical Allowance (P.Purkayastha)		3,600.00
	Botany Dept.	15,941.00		*	TDS Refund (Agst. F/D Interest)		57,061.25
	Electronics Dept.	6,291.00		*	T D S Refund From Gagan Chatterjee (2011-12)		1,959.00
	Comp Science Dept.	2,874.00		*	Excess Payament to Shibdas Chakraborty realised		26,000.00
	Math Dept.	145.00					
	Physics Dept.	1,415.00					
	Physiology Dept	16,435.00					
	Statistics	140.00					
	Chemestry Dept.	16,739.00					
	Commerce Dept. (Computer)	900.00					
	Zoollogy Dept.	23,347.00					
	Geogrophy Dept.	7,500.00	91,727.00				
*	**Excurtion Expenses**						
	Geology Dept.	12,500.00					
	Physics Dept	1,000.00					
	Urdu Dept.	6,020.00					
	Geography Dept.	12,000.00					
	Botany Dept.	6,530.00					
	Electronics Dept.	3,556.00	41,606.00				
*	**Remuneration**						
	to Daily Rated Staff	85,510.00					
	to Guest Lecturers	23,125.00					
	to Generator Operator	8,675.00	117,310.00				
	Balance C/f		63,379,291.00		**Balance C/f**		68,554,252.25

Teacher- in-Charge
Trivenidevi Bhalotia College
Raniganj

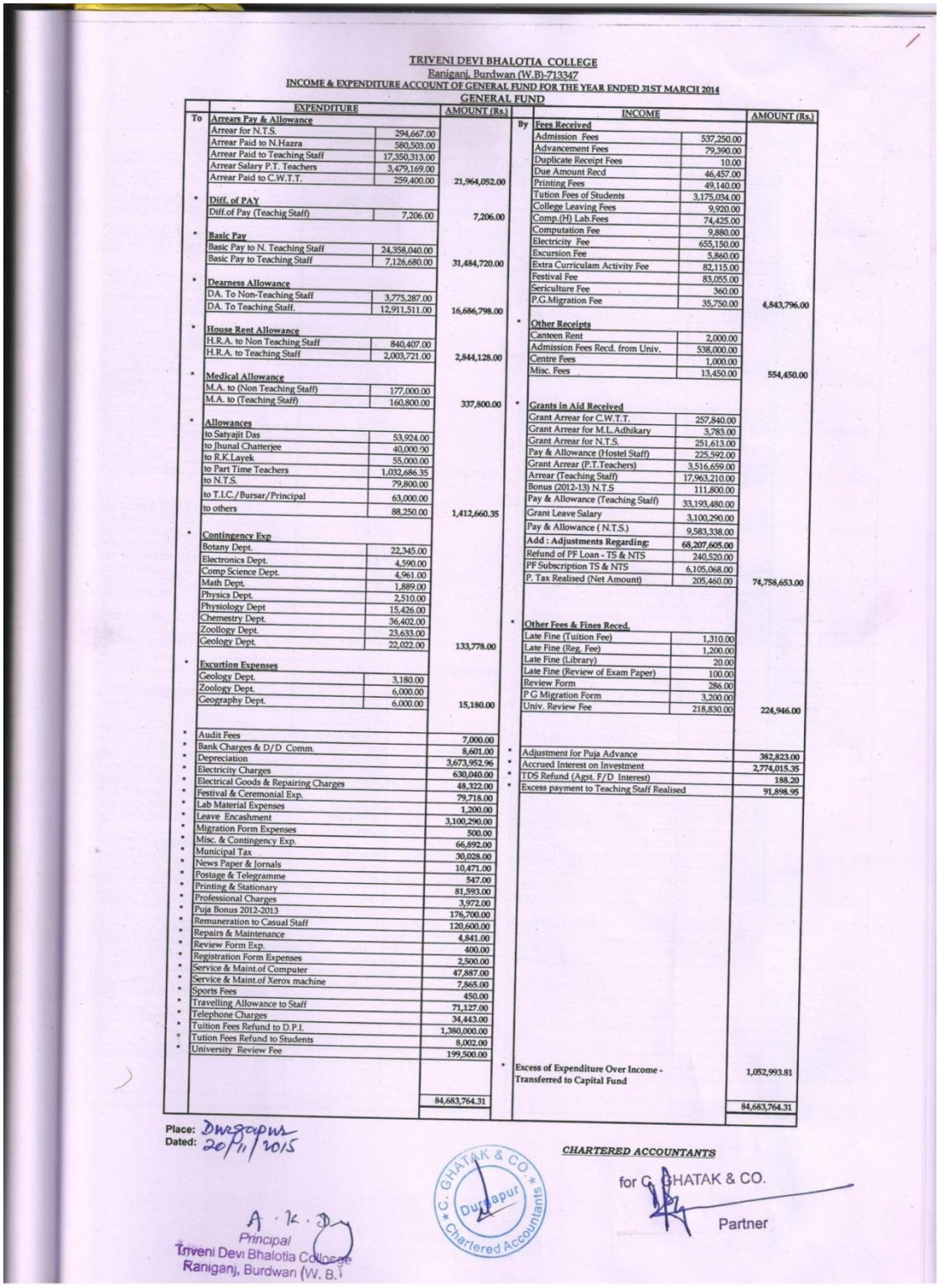
C. Chhajer & Co. Durgapur Chartered Accountants

	Balance B/f.	63,379,291.00	Balance B/f.	68,554,252.25
"	Conference Expenses in China	63,252.00		
"	Electric Charges	221,312.00		
"	Repairs & Maintenance	121,465.00		
"	Lab Material Expenses	52,558.00		
"	Leave Encashment	1,807,978.00		
"	Depreciation	3,343,289.00		
"	Misc. & Contingency Exp.	36,239.00		
"	Municipal Tax	30,028.00		
"	News Paper & Jornals	9,088.00		
"	Postage & Telegrame	1,689.00		
"	Printing & Stationary	55,444.00		
"	Professional Charges	15,483.00		
"	P.T. Allowance	541,760.00		
"	P.T. Allowance (N.T.S)	186,150.00		
"	Puja Bonus 2011	121,500.00		
"	Electrical Goods & Repairing Charges	90,139.00		
"	Excess Pay to N.T.S.	1,115.00		
"	Reg. Form Exp.	70.00		
"	Refreshment Expenses	12,660.00		
"	Inspection Fees	2,000.00		
"	Migration Form Expenses	200.00		
"	Service & Maint.of Website	7,500.00		
"	Service & Maint.of Computer	7,930.00		
"	Sports Fees	440.00		
"	Staff Quarter Maintanance Exp	7,500.00		
"	Subscription to Association	112,600.00		
"	Subscription to S.K.U	930.00		
"	T.A. to Staff	68,650.00		
"	Telephone Charges	9,232.00		
"	Tution Fees Refund to Students	254,886.00		
"	Provision for Tution Fees Refund to D.P.I.	1,843,866.00		
"	University Review Fee	169,100.00		
"	University Exam Fee	211,200.00	Excess of Expenditure Over Income - Transferred	4,233,861.75
"	Adj. for Payment Wrongly Entered in 2011-2012	1,570.00	to Capital Fund	
		72,788,114.00		72,788,114.00

Signed in terms of our report of even date.
S.GHATAK & CO
Chartered Accountants
(S.P.Ghatak, FCA)
PARTNER
M No 053933

Dated: The 10th day of April 2015.
Place: Raniganj, 713347

Teacher- in-Charge
Trivenidevi Bhalotia College
Raniganj



TRIVENI DEVI BHALOTIA COLLEGE
Raniganj, Burdwan (W.B)-713347
INCOME & EXPENDITURE ACCOUNT OF GENERAL FUND FOR THE YEAR ENDED 31ST MARCH 2014
GENERAL FUND

	EXPENDITURE		AMOUNT (Rs.)		INCOME		AMOUNT (Rs.)
To	**Arrears Pay & Allowance**			By	**Fees Received**		
	Arrear for N.T.S.	294,667.00			Admission Fees	537,250.00	
	Arrear Paid to N.Hazra	580,503.00			Advancement Fees	79,390.00	
	Arrear Paid to Teaching Staff	17,350,313.00			Duplicate Receipt Fees	10.00	
	Arrear Salary P.T. Teachers	3,479,169.00			Due Amount Recd	46,457.00	
	Arrear Paid to C.W.T.T.	259,400.00	21,964,052.00		Printing Fees	49,140.00	
*	**Diff. of PAY**				Tution Fees of Students	3,175,034.00	
	Diff.of Pay (Teachig Staff)	7,206.00	7,206.00		College Leaving Fees	9,920.00	
*	**Basic Pay**				Comp.(H) Lab.Fees	74,425.00	
	Basic Pay to N. Teaching Staff	24,358,040.00			Computation Fee	9,880.00	
	Basic Pay to Teaching Staff	7,126,680.00	31,484,720.00		Electricity Fee	655,150.00	
*	**Dearness Allowance**				Excursion Fee	5,860.00	
	DA. To Non-Teaching Staff	3,775,287.00			Extra Curriculam Activity Fee	82,115.00	
	DA. To Teaching Staff.	12,911,511.00	16,686,798.00		Festival Fee	83,055.00	
*	**House Rent Allowance**				Sericulture Fee	360.00	
	H.R.A. to Non Teaching Staff	840,407.00			P.G.Migration Fee	35,750.00	4,843,796.00
	H.R.A. to Teaching Staff	2,003,721.00	2,844,128.00	*	**Other Receipts**		
*	**Medical Allowance**				Canteen Rent	2,000.00	
	M.A. to (Non Teaching Staff)	177,000.00			Admission Fees Recd. from Univ.	538,000.00	
	M.A. to (Teaching Staff)	160,800.00	337,800.00		Centre Fees	1,000.00	
*	**Allowances**				Misc. Fees	13,450.00	554,450.00
	to Satyajit Das	53,924.00		*	**Grants in Aid Received**		
	to Jhunal Chatterjee	40,000.00			Grant Arrear for C.W.T.T.	257,840.00	
	to R.K.Layek	55,000.00			Grant Arrear for M.L.Adhikary	3,783.00	
	to Part Time Teachers	1,032,686.35			Grant Arrear for N.T.S.	251,613.00	
	to N.T.S.	79,800.00			Pay & Allowance (Hostel Staff)	225,592.00	
	to T.I.C./Bursar/Principal	63,000.00			Grant Arrear (P.T.Teachers)	3,516,659.00	
	to others	88,250.00	1,412,660.35		Arrear (Teaching Staff)	17,963,210.00	
*	**Contingency Exp**				Bonus (2012-13) N.T.S	111,800.00	
	Botany Dept.	22,345.00			Pay & Allowance (Teaching Staff)	33,193,480.00	
	Electronics Dept.	4,590.00			Grant Leave Salary	3,100,290.00	
	Comp Science Dept.	4,961.00			Pay & Allowance (N.T.S.)	9,583,338.00	
	Math Dept.	1,889.00			**Add : Adjustments Regarding:**	68,207,605.00	
	Physics Dept.	2,510.00			Refund of PF Loan - TS & NTS	240,520.00	
	Physiology Dept	15,426.00			PF Subscription TS & NTS	6,105,068.00	
	Chemestry Dept.	36,402.00			P. Tax Realised (Net Amount)	205,460.00	74,758,653.00
	Zoollogy Dept.	23,633.00		*	**Other Fees & Fines Reced.**		
	Geology Dept.	22,022.00	133,778.00		Late Fine (Tuition Fee)	1,310.00	
*	**Excurtion Expenses**				Late Fine (Reg. Fee)	1,200.00	
	Geology Dept.	3,180.00			Late Fine (Library)	20.00	
	Zoology Dept.	6,000.00			Late Fine (Review of Exam Paper)	100.00	
	Geography Dept.	6,000.00	15,180.00		Review Form	286.00	
					P G Migration Form	3,200.00	
*	Audit Fees		7,000.00		Univ. Review Fee	218,830.00	224,946.00
*	Bank Charges & D/D Comm.		8,601.00	*	Adjustment for Puja Advance		382,823.00
*	Depreciation		3,673,952.96	*	Accrued Interest on Investment		2,774,015.35
*	Electricity Charges		630,040.00	*	TDS Refund (Agst. F/D Interest)		188.20
*	Electrical Goods & Repairing Charges		48,322.00	*	Excess payment to Teaching Staff Realised		91,898.95
*	Festival & Ceremonial Exp.		79,718.00				
*	Lab Material Expenses		1,200.00				
*	Leave Encashment		3,100,290.00				
*	Migration Porm Expenses		500.00				
*	Misc. & Contingency Exp.		66,892.00				
*	Municipal Tax		30,028.00				
*	News Paper & Jornals		10,471.00				
*	Postage & Telegramme		547.00				
*	Printing & Stationary		81,593.00				
*	Professional Charges		3,972.00				
*	Puja Bonus 2012-2013		176,700.00				
*	Remuneration to Casual Staff		120,600.00				
*	Repairs & Maintenance		4,841.00				
*	Review Form Exp.		400.00				
*	Registration Form Expenses		2,500.00				
*	Service & Maint.of Computer		47,887.00				
*	Service & Maint.of Xerox machine		7,865.00				
*	Sports Fees		450.00				
*	Travelling Allowance to Staff		71,127.00				
*	Telephone Charges		34,443.00				
*	Tuition Fees Refund to D.P.I.		1,380,000.00				
*	Tution Fees Refund to Students		8,002.00				
*	University Review Fee		199,500.00				
				*	**Excess of Expenditure Over Income - Transferred to Capital Fund**		1,052,993.81
			84,683,764.31				84,683,764.31

Place: Durgapur
Dated: 20/11/2015

A. K. D.
Principal
Triveni Devi Bhalotia College
Raniganj, Burdwan (W. B.)

C. GHATAK & CO. Durgapur Chartered Accountants

CHARTERED ACCOUNTANTS
for C. GHATAK & CO.
Partner

6.4.4 Details of the efforts made by the institution in securing additional funding and the utilization of the same (if any).

The college has been trying to secure additional funds by approaching the local MLA, MP, Alumni or even well- wishers for the expansion and development of this college to establish itself as a premier institute in this region.MP and MLA LAD funds were utilized in the construction of Urdu PG Building.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a. Establishment of an Internal Quality Assurance Cell (IQAC) , the institutional policy with regard to quality assurance and its contribution in institutionalizing the quality assurance processes:

The institution established an Internal Quality Assurance Cell (IQAC) for academic excellence on 24.02.2014 through a resolution of the Governing Body. This cell has an office on the ground floor of the main building. It is activity engaged in smooth running of academic affairs and give suggestions for infrastructural improvement, resource mobilization, giving emphasis on quality rather than quantity.

IQAC sits and monitors the overall performances and also reviews the entire scenario of the institution. Setting up the IQAC made every staff member of the college cautious and conscious. Each and every member of the staff is aware of his or her responsibility and works accordingly.

b. Decisions of the IQAC approved by the management/ authorities for implementation and number actually implemented

The Governing Body approves of most of the recommendations of IQAC to improve infrastructure and facilities of the college.

c. External members in IQAC and significant contributions made by them.

The IQAC has two external members in its committee.

d. Contribution of students and alumni to the effective functioning of the IQAC

The ultimate effect of setting up the IQAC is the promotion of good academic atmosphere and to make an impact in the society.

As per the recommendation of the IQAC, every effort is initiated to improve classroom teaching, interaction with the students, getting feedback, reviewing the results, organizing seminars, group discussion, debates and thereby enriching the quality of education. Students often send their suggestion to IQAC through their feedback.

e. Communication and engagement of staff from different constituents of the institution by IQAC

IQAC makes a positive communication to make an impact of qualitative improvement of academic atmosphere. This is ensured because all the departments make a wholehearted effort to cooperate to make it a successful IQAC.

6.5.2 Integrated framework of the institution for Quality assurance of the academic and administrative activities and its operationalisation:

The institution has an intergraded frame work for quality assurance of academic and administrative activities.

Departments often make some new recommendations to be put forward to the Principal through the IQAC. IQAC analyses, reviews and approves those recommendations and places them for approval of the governing body through the principal.

6.5.3 Provision of training to the staff of the institution for effective implementation of the quality assurance procedures and its impact

The institute conducted several programmes for largely informal training to its staff for effective implementation of the quality assurance procedure.

- The college installed its LAN and server system in the college recently. For maintenance and smooth running of the system formal training is provided to the staffs and teachers of Computer Science Department. The training has been provided by the Service Provider.
- Informal training is provided to the laboratory attendants of various departments for maintenance and smooth running of the laboratories . The training is given by the teachers.
- Informal training is given by the Librarians to the support staffs for library functioning.
- Informal training has been given to the staff for Generator maintenance.

6.5.4 Academic Audit or other external review of the academic provisions undertaken by the institution:

Academic audit is yet to be sought. Discussion is going on regarding this audit. But, the institution is always reviewing the academic results and constructive suggestions to improve the academic results is highly appreciated.

6.5.5 Alignment of the internal quality assurance mechanisms with the requirements of the relevant external quality assurance agencies/regulatory authorities:

The suggestion and recommendation of IQAC, have been sent to the Governing Body for its approval. The College Authorities are trying to strike a balance between the recommendations of IQAC and the resources of the college. Till now no consultation has taken place with any EQAA for quality assurance.

6.5.6 Institutional mechanisms in place to continuously review the teaching learning process. Details of its structure, methodologies of operations and outcome.

Academic atmosphere is always monitored and upgraded. It is monitored through different institutional mechanisms like class test, debate, group discussion etc.

The results are discussed in the IQAC, and suggestions and recommendation are sent to the concerned departments for follow-up action. Often intra-departmental meeting is convened to review and make an action plan for future qualitative improvement of teaching-learning process.

6.5.7 Communication by the institution of its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders.

The institute communicates its quality assurance policies to the stakeholders through;

- Holding meetings
- College prospectus
- Notices on the college notice board

CRITERION – VII: INNOVATION AND BEST PRACTICES

7.1 Environment Consciousness

Trivenidevi Bhalotia College (TDB College), situated on the northern bank of the river Damodar, in Raniganj town of Burdwan district of West Bengal. Raniganj is a premier town in this coal field area, maintaining its tradition as a patron of education and culture. TDB college has become the focal point of such patronage and service to the down trodden yet aspiring people of this coal field region as an educational hub over a long span of 58 years. Though Raniganj and its catchment area is dry and arid, our campus stands unique with its lush green expanse, gigantic trees, shrubs, herbal plants, colorful ornamental plants, chirping birds, rich biodiversity and overall serene environment.

A special mention may be made of the following features of the vast campus of this college:

- Play grounds with permanent gallery
- Separate library building with open access system
- Open air stage
- Boys' hostel
- Large numbers of staff quarters
- Garden of medicinal plants
- A rich biodiversity
- Medical room
- Branch of a public sector Bank
- Subsidized Canteen

The institution has been inculcating the ethos of eco–friendliness through preservation of its natural environment. It is concerned with the quality achieved through innovation and best practices.

7.1.1 Institutional Green Audit of its Campus and Facilities

The institution shows its consciousness and responsibility towards the maintenance and management of the environment, and with this attitude it conducts a green audit of its campus and facilities.

The green audit is carried out by the institution through maintenance of the following activities:

- Campaign among the students and staff.
- Consumption of electricity and necessary arrangement for its rational reduction
- Use of solar energy in the campus.
- Implementation of eco –friendly practices
- Information is collected from users through feedback mechanism.
- Practices in curriculum through awareness programme and environmental studies
- A survey of the campus revealed the following environmental issues:
  - Approximately 36 % of the college campus is open space.

- There are 122 trees representing 26 species in the college campus
- There are 58 shrubs and 40 herbs.

There are no water logged areas.

The open space of the campus helps the rain water to percolate into the soil layer.

7.1.2 Initiative taken by the college to ensure that the campus is eco- friendly

a) Energy *conservation:* The college is fast switching over to the use of modern low energy consumption resources to minimize electricity consumption. Existing energy consuming tube lights, sodium lamps and mercury lamps have been replaced with energy saving tubes, CFLs, and fans with lower power consumption. Star rated electric appliances like AC, refrigerators etc. are used to save energy. Kirlosker green generator is used as noise-free standard frequency energy source for a green environment. Energy consumption in the boy's hostel is closely monitored by turning off lights during day time.

b) Use of Renewable Energy: A number of solar panels will be installed in the boys' hostel.

c) Water Harvesting: Water harvesting is yet to be done.

d) Check Dam Construction: No such dam has been constructed yet.

e) Efforts for carbon Neutrality: Care has been taken to restrict vehicle entry into the campus except the cars owned by the faculty members. Residents of the campus mostly use LPG for cooking purposes. Use of coal as a fuel is discouraged.

The institution has installed two low carbon emitting Kirloskar generators to provide clean power back-up in its campus to maintain uninterrupted power supply during power cuts, keeping the pollution level a minimum. Uprooting or felling of any trees in the college campus has been strictly prohibited with a view to maintain the gaseous balance of the environment and make it healthy. Awareness programmes such as 'Briksha Ropon'(plantation of trees) are conducted by the NSS unit of the college.

The combustion of the dry leaves and any other vegetable debris are strictly prohibited in the campus with an aim towards reduction of carbon dioxide emission.

f) *Plantation/ Greening and cleaning devices:* The college has started to take measures with a view to make the campus green and clean. Trees have been planted by students along both sides of the approach way and other parts of the campus.

The NSS unit of the college actively organizes green campaigns from time to time and motivates the freshers to join their team. The volunteers of the NSS unit have

also taken commendable initiatives by arranging seminars to make students and residents outside the college campus aware about the dangers and control measures for eradication of malaria, dengue and chickungunya, and other mosquito vector borne diseases. Some seminars are also organized to grow awareness about thalassaemia, a dreaded genetic disease as well as HIV/AIDS.

The college maintains two gardens in its campus, endearingly christened 'Rabindra Bithi, a marvelous garden of ornamental flowering plants and 'Charaka Sushruta Udyan', a herbal garden rich in medicinal plant species. Each plant in the medicinal garden bears plaques/tags inscribed with its common as well as scientific names to make students, especially those of Botany, and also others, aware about the importance of scientific nomenclature and its medicinal uses/values.

The members of NSS unit often take initiatives to clean the campus of plastics and Parthenium.

Hazardous and toxic chemicals from the Chemistry Laboratories are disposed and highly diluted in closed containers so that these do not have any harmful effect on the environment of the campus.

The institution under the canopy of the faculty of the biological sciences has established 'Vasundhara Club' and 'Bird watcher club' to study natural bio diversity, in both flora and fauna.

An encouraging number of enthusiastic students have taken free membership of these clubs to make other student conscious about the importance of rich biodiversity in the campus. Moreover these members have developed a photo gallery of their programmes.

g) Hazardous waste management and e-waste management: The college has a desirable acreage of land which enables the disposal of waste materials without harming the local residents. e-Waste is disposed in a specific junk room. Students are made continuously aware about the necessity of effective waste management through class teachings on Environmental Studies (ENVS). Liquid wastes generated in the campus flow out through proper drainage system, which is non-polluting and non-contaminating to the environment.

h) Controlling visual Pollutions: Our College has taken stern disciplinary action against visual pollution and controls commendably any form of graffiti on its inner walls. The students also cooperate to check such visual pollution in the campus. The pertinent order/ circular in this regard, endorsed by the highest authority of the college are displayed on the designated places is strictly adhered to.

7.2. Innovations

The college has introduced a series of innovative options to respond to the needs of its students and other stakeholders.

7.2.1. Details of innovations introduced during the last four years which created a positive impact on the functioning of the College.

Innovation in curriculum design:

- Seminar is organized by some departments to develop presentation skills of the students.
- Sense of social responsibility inculcated through NCC, NSS.
- Following up of academic calendar with teaching plan/ curriculum design which have been utilized by the college.
- Continuous evaluation system in the form of class test, module test, and sent up test.

Innovations in teaching learning:

- Wide circulation and transparency in admission process through online admission in UG Courses along with total computerization.
- A blended mode of conventional black/green/white board teaching and LCD projector based teaching is in operation.
- Traditional lecture method is supplemented with the seminar method of teaching where the students are the speakers of the seminars.
- Inculcation of scientific temper among the students.
- Provisions of online journals through INFLIBNET N – List for faculty and the students (under process).
- Making provision of language laboratory with modern software for the students (under process).

Innovative instructional method:

- Experimental learning (learning by doing)
- Presentation of papers by the students in seminars.
- Participation in mock parliament.
- Participation of students in debates on contemporary issues in annual cultural competitions of the college.
- Participation of students of different departments in exhibition organized by the college during annual cultural function.
- Participation of the students in field work, excursion / educational tours.

Innovative techniques in assessment:

- Aptitude of the students in presenting papers in class seminars.
- Through group discussions and peer group learning.

Inclusiveness and Diversity:

The college addresses and resolves the problems of differently abled students and other diverse groups through the following cells:

- Women's grievance cell
- Minority cell
- Anti ragging cell

Innovations in Infrastructural Planning:

The college provides the following innovative infrastructural planning to its stakeholders:

- Providing a number of departments with LCD Projectors to use as a smart teaching aid.
- Developing a modern central library with internet (WiFi facility).
- Providing open access in the central library.
- Facility of a Doctor's chamber in the campus as an aid to health care of students and staff.
- Facility of a football ground with spectator's gallery.
- Facility of an open air stage.
- Facility of a boys' hostel with capacity of accommodation of about hundred boys.
- Planning to establish a girls' hostel in the campus.
- Facility of a separate server room.
- Availability of guest rooms for teachers with desired facilities within the campus, along with lunch facilities in a common dining room.
- Providing cold purified drinking water for students in summer.

Innovative Higher Focus Course:

The college conducts the following 'Higher Focus Course' along with the regular academic courses for better development of various skills of the students.

- A centre of AICTE and NIELIT has been set up to offer some advanced professional courses to the aspirant students.
- Planning by the career counseling cell is in progress to conduct a grooming session by experts with a view to prepare students to face job interviews smartly.
- Implementation of NCC programme through the participation of the students under the guidance of NCC officer of the college in collaboration with 48 Bengal Battalion.

Innovative to be socially responsible:

The college observes its social responsibilities through the NSS, NCC schemes and Physiology department. The following programmes of social awareness are organized:

- Organizing awareness programmes about AIDS / HIV, malaria, dengue etc.
- Organizing awareness programmes on human rights.
- Organizing blood donation camps.

Each third year student is given separate feedback forms regarding teaching and learning aspects of their departments, and infrastructural facilities provided by the college, before the final examinations. After receiving the filled up feedback forms, IQAC analyses the data obtained. The strengths and weaknesses of the departments are recorded. Also, the suggestions from the students are noted. Accordingly, the college authorities take necessary measures for required quality enhancement. Thus students' feedback system has emerged as a very dynamic technique to facilitate the all round development of the college.

7.3. Best Practices

7.3.1 Conservation of Health and Hygiene by the Way of Greenery and Cleanliness:

Objectives of the practice:

- To make the campus clean and green: To make the college environment more eco-friendly and peaceful.
- To develop good habits: Many students have bad habits like spitting, littering etc. that spoil the ambience of the campus. By growing good habits among students such nuisance can be checked.
- Making the campus a non-plastic and tobacco free zone: To reduce the non-biodegradable and carcinogenic materials within the campus, students are discouraged to use such materials.
- To identify the areas for further improvement: Development is a continuous process. So there is always scope for improvement.
- To take up eco-friendly measures to keep the campus clean: To develop habit among the students to segregate the biodegradable and non-biodegradable wastes by using separate bins.
- To inculcate green habits among the students: Students are the future citizens of the country. So it will be their responsibility to maintain a pollution free environment wherever they go.
- To vaccinate the stray dogs loitering in the campus as a preventive measure towards deadly diseases.

The Context:

- The students, in their teenage, are more vulnerable to tobacco addiction. The students of this college are no exception. It is a challenge for the college to make them aware of the health hazards of tobacco consumption.
- Spitting and littering is another problem in the college campus. So, initiatives have been taken by the college authorities in the form of motivating seminars and installation of banners barring such practices.
- There are a large number of stray dogs in the campus. Following the animal ethics guidelines the college has not been cruel enough to call dog catchers for their elimination.
- During late winter and rainy season weed like Parthenium (*Parthenium histerophorus*) grows luxuriantly disseminating its pollen grains which are severe allergens causing acute and chronic respiratory diseases. It is a challenge for college authorities to keep the campus free of such plants causing this serious health hazard.
- Since the college is located in the Raniganj coalfields, the environment is infested by coal dust, fly ash, and a number suspended particulate matter (SPM) which poses a threat of different air borne, respiratory, and nososcomial infections.

The Practice:

To make the campus eco-friendly the following initiatives have been taken:

- A compost pit has been dug in one corner of the garden of medicinal plants in which vegetable and fruit peels, dry and fallen leaves, uprooted weeds etc. are thrown. These vegetative debris are converted into organic manure over time and can be used instead of chemical fertilizers in the college gardens. In this way burning of dry leaves which generates polluting smoke is prevented.
- Plantation of trees is carried out on a regular basis to make the campus green, cool and habitable.
- Installation of solar panels in the boys' hostel is intended to provide clean fuel for heating water as well as power back up during power cuts.
- Lecture sessions on eco-feminism and sustainable development had been arranged for the students involved in the NSS programme. Eco-feminism is basically a philosophical/political theory which combines ecological concerns with feminist ones.

To cope with the different problems the college authority has taken the following steps:

- To increase the awareness against tobacco consumption among the students the college authority has conducted seminars and installed anti-smoking banners in the common spaces of the college campus. The authority has also planned to implement a nominal fine for such nuisances.
- The college authority has installed separate bins for biodegradable and non-biodegradable solid wastes. The bins are placed at common places as well as in the different departments. The college authorities also take proper initiative for the proper disposal of those waste materials collected in separate bins. In some

specific spaces bins filled with sand have been placed as measure to check spitting at different nook and corners of the college. Banners stressing on the importance of cleanliness have also been installed.

- The college proposes to vaccinate the dogs in the near future to prevent different zoonotic diseases.
- Labourers are regularly engaged to uproot weeds from the college campus. Students of the NSS units are also actively engaged in removal of Parthenium .
- Plans are afoot to construct concrete roads in the college campus to cover the exposed soil surface and thus reduce dust. College grounds are sprayed with water to reduce the concentration of flying dust.

Evidence of Success:

- Categorised dustbins have been installed at various places within the campus to collect biodegradable and non-biodegradable solid wastes separately. This has considerably reduced the littering in the campus.
- Putting up of placards in various places of the campus forbidding spitting has controlled this menace considerably. It is also expected that, the students of this college will discourage this bad practice outside the college campus.
- Such initiatives by the college authorities have developed a sense of aversion towards tobacco products like *Gutkha, Pan Masala* etc. among the students.
- 26 new trees have been planted in the college campus by the NSS unit to maintain the greenery in the current year. This is a regular process in this college, which increases the green cover in the campus. And the students also take great care to nurture and preserve those saplings planted.
- Unwanted weeds and Parthenium plants are almost eliminated from the college campus. That ensures a clean and healthy environment in the campus both for students and residents.
- The dustbins installed in the campus are emptied out regularly, which is an evidence of maintenance of cleanliness in the campus.

Problems encountered and resources required:

- There is a paucity of funds for the implementation of various programmes, like installation of enough solar panels, construction of metalled roads in the campus etc.
- More toilets need to be constructed at different locations in the campus, like students' canteen and common rooms. The number of janitors employed needs to be increased in order to maintain clean toilets.
- More efforts are required to wean away a larger number of students from tobacco products.
- A considerable number of students and staff of the college are still ignoring the steps being taken to make the college a "Tobacco Free Zone".
- Though every year new saplings are planted in the campus, a few do not survive. Therefore more efforts are needed to ensure 100% survival of those plants.

- In the rainy season enough labour is not available for cleaning the overgrowth in the campus. As a result of that, snakes pose a threat to the residents during that time.

7.3.2 Promotion of sports and cultural activities among students

Objectives of the practice:

- Along with the intellectual development, the proper growth of the mental, physical, emotional and cultural aspects of man are also necessary for moulding him into a good citizen. To encourage all-round development of the students., various sports and cultural activities are promoted.
- Participation in games and sports and cultural activities encourages physical development and inculcates a sense of civic responsibility and community orientation.
- Encourages cultivating some divine aspects of our life—humanity and brotherhood.
- Discourages wasting of time and energies in some bad practices that young people often fall prey to, for example idle gossiping, liquor drinking, eve teasing etc.
- Providing opportunities to the students to realize their own potentialities as sportsmen and cultural performers, the self-owned qualities which they themselves remain unaware of.

The Context:

In the locality, which is surrounded by coal-fields, students tend to spend their non-book- learning moments in petty and trifling activities like playing mobile games or playing cards or gossiping. These activities lead to the loss of vitality of the youth populace and rob them of their life-force, which in turn jeopardize their creativity and the inquisitive spirit which are the two essential indexes of human quality development. Ultimately these undesirable activities cause the cutting of their ties with the larger society and the growth in them of some evil tendencies like isolation and separatism. This is detrimental to society, since the youth populace is the foundation of society. Engaging the students in healthy activities like sports and games in a regular manner is a replenishment of their vital energy and engaging them in cultural activities is the fostering of a sense of belongingness to the larger society. Further, some students, although not academically sound, are gifted with exceptional qualities either as sportsmen or as cultural performers. Promoting sports and games and cultural activities in the college provides them the opportunity to establish themselves in their own field of speciality.

The Practice

- The college organizes Annual Sports during winter every year. It is held on two to three consecutive days.
- Students participate at large in various events like races, long jump, high jump, javelin throw, discus throw. Professional judges monitor the events.
- To boost up students, teachers take part in games like teachers' race. Each year, a tug-of- war is conducted as the last event in which the competitors are the students' group on the one side and the staff group on the other. This creates a great enthusiasm among students and staff.
- The non-teaching staff also have their respective events in which they take part with great fervor.
- Students ranking in different events are presented with medals and cups in a magnificent function held at the Binay Choudhury Mancha, the open air stage, at the end of the sports programme. The Principal along with the teaching and non-teaching staff participate in the prize giving ceremony.
- These ranking students are then encouraged to take part in intercollege sports championship conducted by the affiliated University every year. With much enthusiasm they take part in the Inter-Non-Govt. College Athletic Meet in both district and state level every year.Students also participate in Inter-Collegiate Tournament organized by the DPI.
- Interdepartmental football and cricket tournaments are organized in the college playground.
- The teacher in charge of sports and games selects players from these tournaments for the formation of college team which participates in intercollege football and cricket tournaments organized by the affiliated University.
- There is a badminton court in the college premises. Intra –college badminton tournament is organized every year.
- Indoor game competitions like carom, table tennis and chess competitions are held every year.
- Inter-school sports is held every year in the college play ground. College provides the play ground free of cost.
- Annual Cultural Programme is held every year in November or December. It goes on for three consecutive days.
- Different cultural competitions like singing, recitation, drama, dance and conch-shell blowing competitions etc. are organized prior to the annual programme. Students whole-heartedly take part in these events. Teachers act as judges in these different events according to their capabilities.
- On the first day of the programme, freshers are warmly felicitated by their seniors. The winners of the competitions perform on the stage. Some musical troupes are invited to perform and we all attune ourselves with the joy of their sonorous tunes. Sometimes, eminent drama groups from Calcutta along with some notable personalities like Usha Ganguly have staged performances.
- An exhibition is also organized during these days of celebration. Different stalls are set up by the different departments. Often representations by some

departments exhibit some very fundamental and original ideas. The exhibition provides the students an opportunity to expose their own capacities as original thinkers. A band of judges comprising experienced teachers of the college act as judges to select the department whose presentation is best.

- The three day cultural programme ends with the prize distribution ceremony. Those occupying place in the cultural competitions and the exhibition are honored with medals and cups.
- Often teachers and non-teaching staff perform in the annual programme. The plays presented by them have been highly appreciated by all. The tune of harmony among different stake holders of the college is again felt.

Evidence of success

- Annual Sports of the college has become symbolic of the unity of spirit of the students, teachers and the non-teaching staff. It cultivates a sense of togetherness as members of one family.
- Students performing successfully in the Annual Sports of the college have also secured positions in various district level meets. Recently Debabrata Sutradhar, an alumnus of our college , occupied first position and second position in 100 meters run and long jump respectively in the Burdwan District Inter-College Games and Sports Championship 2014 held at Durgapur Government College.
- The tune of harmony among different stake holders of the college is again felt during the annual cultural programme through the participation of the students and staff in the various items of the programme.
- Students performing well in different cultural events in the college have also bagged medals in the different competitions. For example Payel Dutta, an alumnus of the department of Bengali, won gold medals in the recitation examinations conducted by Surobharati Sangeet Kalakendra in 2011& 2013. She also won a bronze medal in a recitation competition conducted by Bangiyo Sangeet Parisad.
- Some of our students like Sohini Banerjee, an alumnus of the department of English, have been performing as professional singers.

Problems encountered and resources required

- The main problem is the paucity of funds which is hampering the realization of various plans, like the setting up of a gymnasium and a modern dressing room. Instruments of various games were purchased long ago and they need to be replaced urgently.
- Funds are also required for the maintenance and modernization of the Binay Chowdhury Mancha.
- The play ground needs to be leveled in order to maintain the safety and standard of various games played there.

- The number of musical instruments like harmonium, tablas etc. needs to be increased to ensure the participation of a larger number of students in various cultural activities. In this regard, setting up of a music room in the college would be beneficial.
- More efforts are required to detract the students from being engaged in idle non-creative activities and to lead them to healthy and creative work.
- Though every year some students emerge as good-sportsmen and cultural performers, the talents of many students remain untapped. Therefore more efforts are needed to identify and ensure 100% participation of talented students.
- Talented students should be given the opportunity of receiving specialized training both in respect of sports and culture from professionals. Some such programs need to be arranged by the college.

EVALUATIVE REPORT

OF

THE DEPARTMENTS

COMMERCE

1. Name of the department : COMMERCE

2. Year of Establishment : Intermediate – 1957

: B.Com (General) – 1960

: B.Com (Honours) – 1973

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters,

Integrated Ph.D. etc.) **:** B.Com (Honours)

: B.Com (General)

4. Names of Interdisciplinary courses and the departments/units involved

: NA

5. Annual/ semester/choice based credit system (Programme wise):

B.Com (Honours & General) : Annual

Sent-up Test Examinations for B.Com. (Honours & General) as well as class test conducted from time to time for Hons.

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:

Intermediate course discontinued in 2002 as per the decision of the Government of West Bengal.

9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	06	04
Asst. Professors		00

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 PhD students guided for the last 4 years
ATANU ROY	M.Com., M.Phil.	Associate Professor	Accounting	34 years	Nil
SWADESH MAJUMDER	M.Com., M.Phil..	Associate professor	Accounting	34 years	Nil
ANUP BHATTACHARYA	M.Com., B.Ed.	Associate professor	Accounting & control	18 years	Nil
ABHIJIT CHATTOPADHYAY	M.Com., B.Ed, M.Phil.,	Associate professor	Accounting& control	16 years	Nil
NIKHIL GHOSH	M.Com, B.Ed	West Bengal Govt. approved Part time Lecturer	Accounting	25 years	Nil
KABERI PAL	M.A (Economics)	West Bengal Govt. approved Part time Lecturer	Money & Banking	15 years	Nil
SUKUMAR PUITUNDI	M.Com.	Management approved part time Teacher	Accounting and Control	9 yrs	Nil
RANJIT KUMAR BISWAS	M.com, I.C.W.A.I (inter)	Management approved contractual Teacher	Accounting	31yrs	Nil

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.Com. (Honours)	2014 - 2015	9.1	100
	2013 - 2014	8.5	100
	2012 - 2013	8.5	100
	2011 - 2012	8.5	100

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.Com (General)	2014 – 2015	5.6	100
	2013 - 2014	5.4	100
	2012 - 2013	5.4	100
	2011 - 2012	5.4	100

13. Student -Teacher Ratio (programme wise):- U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.COM(Honours)	***2014-2015***	415	8	52:1
	2013-2014	425	8	53:1
	2012-2013	447	8	56:1
	2011-2012	428	8	54:1
B.COM (General)	***2014-2015***	859	8	107:1
	2013-2014	926	8	116:1
	2012-2013	879	8	110:1
	2011-2012	727	8	91:1

14. Number of academic support staff (technical) and administrative staff

Sanctioned and filled:

Sanctioned - Nil

Filled - Nil

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

With PhD – Nil

With M. Phil – 03

M.Com – 04

M.A - 01

Name & Designation	Qualification
ATANU ROY, Associate Professor	M.COM, M.PHIL.
SWADESH MAJUMDER, Associate Professor	MCOM, M.PHIL.
ANUP BHATTACHARYA, Associate Professor	M.COM, B.ED.
ABHIJIT CHATTOPADHYAY, Associate Professor	M.COM, M.PHIL, B.ED.
NIKHIL GHOSH, West Bengal Govt. approved Part time Lecturer	M.COM,.B.ED.
KABERI PAL, West Bengal Govt. approved Part time Lecturer	M.A.
SUKUMAR PUITUNDI, Management approved part time Teacher	M.COM.
RANJIT KUMAR BISWAS, Management approved contractual Teacher	M.COM.

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

a) National committees b) International Committees c) Editorial Boards : None

22. Student projects

a) Percentage of students who have done in-house projects including interdepartmental programme:

All 3rd year students have to do in-house projects on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : Nil

23. Awards/ Recognitions received by faculty and students :

Nil

24. List of eminent academicians and scientists/ visitors to the department:

Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National : Nil

b)International : Nil

26. Student profile programme/course wise:

Year of Admission	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015	Online admission conducted by the College	152	2018	-	-	
2014	Central counseling system	130	2017	-	-	
2013	Online admission conducted by Burdwan University	125	2016	-	-	
2012	Central counseling system	160	2015	81	85	60.02 %
2011	Central counseling system	140	2014	82	67	82.55 %
2010	Central counseling system	147	2013	61	52	79.64 %
2009	Central counseling system	141	2012	91	54	78.62 %

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
B.Com (Honours)	100	Nil	Nil
B.Com (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, & School Service Commission Examinations, Banking P.O officers examinations. Majority of the students of our department have been engaged themselves as chartered Accountant in different concerns.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	75 % on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Applicable
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: 3522 Books are available)

Seminar Library: 250 Books are available)

b) Internet facilities for Staff & Students : Available

c) Class rooms with ICT facility : Nil

d) Laboratories : 01 Computer Lab for UG courses

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	83		
2013-2014	89		
2012-2013	73		
2011-2012	64		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with

external experts: Nil

33. Teaching methods adopted to improve student learning:

Mainly we use the lecture method i.e. chalk and black board for teaching and discussion the topics. Class notes and direction for practical classes are provided to the students as and when required. Some special classes are taken by using the LCD projector**.**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students participated in NCC, NSS (for social awareness and responsibility among the students), Games and Sports etc.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength:

Most of our ex-students are well established. Teacher students relationship is very good. Spacious and equipped Laboratory and good stocks of different books for conducting practical classes.

W ⇒ Weakness:

Lack of full time teachers. Classrooms should be more equipped for better teaching.

O ⇒ Opportunity:

Commerce students have a good opportunity in different industries and organisations like banks, LIC, . Besides these industrial jobs one can go to the higher studies and done a very good research work for better and bright career.

C ⇒ Challenges:

We want to make the department a center of excellence. We tried our best to modernise the laboratories and classrooms. We have a plan to install statistical packages like SPSS.

BENGALI

1. Name of the department : BENGALI

2. Year of Establishment : Intermediate – 1957
: B.A. (General) – 1957
: B.A. (Honours) –1967

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D. etc.)

: B.A (Honours)
: B.A (General)

4. Names of Interdisciplinary courses and the departments/units involved : Nil

5. Annual/ semester/choice based credit system (Programme wise):

B.A. (Honours & General) : Annual

Sent-up Test Examinations for B.A (Honours & General) as well as class test for Hons. conducted time to time.

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:

Intermediate course discontinued in 2002 as per the decision of The Government of West Bengal.

9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	06	02
Asst. Professors		04

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
Shampa Gupta	M.A	Associate Professor	Vaishnab Sahitya	25yrs	Nil
Paramita Ghosh(De)	M.A.	Assistant Professor	Comparative Literature	18 yrs	Nil
Shital Gangopadhay	M.A , Ph.D	Associate Professor	Vaishnab Sahitya	28yrs	7

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4 years
Pradip Chakrabarty	M.A	Assistant Professor	Rabindra Sahitya	14yrs	Nil
Rajashree Bose	M.A	Assistant Professor	Oral Tradition And Folk Loar	9yrs	Nil
Susmita Das	M.A	Assistant Professor	Linguistics	6 yrs	Nil
Ramprasad Samanta	M.A., M.Sc.	Govt. Approved Part-Time Teacher	Rabindra Sahitya	7yrs	Nil

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty: Nil

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.A (Honours)	2014-2015	0	0
	2013-2014	0	0
	2012-2013	0	0
	2011-2012	0	0
B.A (General)	***2014-2015***	0	0
	2013-2014	0	0
	2012-2013	0	0
	2011-2012	0	0

13. Student -Teacher Ratio (programme wise):- U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.A. (Honours)	***2014-2015***	64	07	9:1
	2013-2014	68	06	11:1
	2012-2013	63	06	11:1
	2011-2012	53	06	9:1
B.A. (General)	***2014-2015***	731	07	104:1
	2013-2014	722	06	120:1
	2012-2013	885	06	148:1
	2011-2012	813	06	136:1

14. Number of academic support staff (technical) and administrative staff Sanctioned and filled:

Sanctioned - Nil

Filled - Nil

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

With PhD – 01

With M. Phil – 00

M.A./M.Sc. – 06

Name & Designation	Qualification
Shampa Gupta, Associate Professor	M.A
Shital Gangopadhay, Associate Professor	M.A, Ph.D.
Paramita Ghosh (De), Assistant Professor	M.A
Pradip Chakrabarty, Assistant Professor	M.A
Rajashree Bose, Assistant Professor	M.A
Susmita Das, Assistant Professor	M.A
Ramprasad Samanta, Govt. Approved Part-Time Teacher	M.A., M.Sc.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University : Nil

19. Publications :

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publication Listed in International data base (Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	Monograph	Books							
			National	International	National	International			Chapter in Books	Book Edited/ Authored	Book with ISBN No	Citation Index	SNIP	SJR	Impact factor	h-index
1	Shampa Gupta	-	-	-	-	-			-	-	-	-	-	-	-	-
2	Shital Gangopadhay	25	12	-	4	-			3	3	3	-	-	-	-	-
3	Pradip Chakrabarty	6	2	-	-	-			3	-	1	-	-	-	-	-
4	Rajashree Bose	6	2	-	-	-			4	-	-	-	-	-	-	-
5	Susmita Das	5	2	-	-	-			2	-	1	-	-	-	-	-
6	Paramita Ghosh (De)															
7	Ramprasad Samanta	2	1	-	-	-			1	-	-	-	-	-	-	-

20. Areas of consultancy and income generated :

Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards :

1) SAMAKAL : Shampa Gupta, Shital Gangopadhay, Paramita Ghosh (De), Rajashree Bose.

2) TRINITY TRUST ASSANSOL SHILPANCHAL KABI O KABITA/SHORT STORIES: Shital Gangopadhay.

22. Student projects

a) Percentage of students who have done in-house projects including interdepartmental programme:

All 3rd year students have to do in-house projects on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : Nil

23. Awards/ Recognitions received by faculty and students :

FACULTY: Shital Gangopadhay : Gold Medal from TRIPTY AICH MEMORIAL.

Ramprasad Samanta : National scholarship 2001 for Honours result.

STUDENTS: Debabrata Sutradhar (2011-2014) : Gold Medal in Inter College Sports, 2013.

Payel Dutta (2011-2014) : Gold Medal in Recitation, 2011 and 2013.

Riya Das (2012-2015) : Gold Medal in Recitation, 2012.

24. List of eminent academicians and scientists/ visitors to the department: Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National : Seminar conducted on 5th and 6th January, 2011 sponsored by U.G.C. (MODERN RELEVANCE OF TAGORE'S THOUGHT IN INDIA'S INTELLECTUAL SPHERE).

b)International : Nil

26. Student profile programme/course wise:

Year of Admission	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015	Online admission conducted by College	60	2018	Yet to appear	Yet to appear	
2014	Central counselling System	64	2017	Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	55	2016	Yet to appear	Yet to appear	
2012	Central counselling System	55	2015	26	24	81.08%
2011	Central counselling system	53	2014	19	21	85.00%
2010	Central counselling system	55	2013	24	17	91.11%
2009	Central counselling system	54	2012	23	22	80.00%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
BA (Honours)	100	Nil	Nil
BA (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, & School Service Commission Examinations, Banking P.O officers examinations.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	60% on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library (10757 Books are available)

Seminar Library (197 Books are available)

b) Internet facilities for Staff & Students : Accessible

c) Class rooms with ICT facility : Nil

d) Laboratories : Nil

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	32		
2013-2014	34		
2012-2013	25		
2011-2012	25		

32. Details on student enrichment programmes (special lectures / workshops /seminar etc) with external experts: Nil

33. Teaching methods adopted to improve student learning: Mainly we use the lecture method i.e. chalk and black board for teaching and discussion the topics. Class notes and model answers are provided to the students as and when required. Some special classes, like career counseling classes have been taken by using the LCD projector.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Participated in NCC, NSS (for social awareness and responsibility among the students), Games and Sports etc.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength:

Good and rare collection of books.

Some of our ex-students kept a good academic record at PG level and amongst them some have found engagements in different sectors.

Teacher-student relationship is very good.

W ⇒ Weakness:

Lack of enough reference books.

Classrooms should be more equipped for better teaching.

O ⇒ Opportunity:

a)Opening of P.G. course,

b) Study Centre, carrier counseling for competitive examination.

c) Literature Club

C ⇒ Challenges:

We want to make the department a centre of excellence. We tried our best to modernise the library and classrooms. We have a plan to set up research facilities.

ECONOMICS

1. Name of the department : ECONOMICS

2. Year of Establishment : Intermediate (Civics) – 1957

: B.A/B.Sc (General) – 1957

: B.A/B.Sc (Honours) – 1965

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D. etc.) : B.A./B.Sc (Honours)

: B.A./B.Sc (General)

4. Names of Interdisciplinary courses and the departments/units involved

: NA

5. Annual/ semester/choice based credit system (Programme wise):

B.A/B.Sc (Honours & General) : Annual

Sent-up Test Examinations for B.A/B.Sc(Honours & General) as well as class test conducted from time to time for Hons.

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:

Intermediate course discontinued in 2002 as per the decision of the Government of West Bengal.

9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	--	01 (Principal)
Associate Professors	04	01
Asst. Professors		01

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 PhD students guided for the last 4 years
1. Dr. Asish Kumar Dey	M.A., Ph.D.	Principal	Agricultural Economics	29 years 6 months (including 8 years of administrative experience)	1(Continuing)
2 . Sk. Md. Fakruddin	M.Sc.	Associate Professor	Agricultural Economics	17years 6 months	Nil
3. Bholanath Mandal	M.A., B.Ed, M.Phil	Assistant Professor	Statistics and Econometrics	12 years 10 months	Nil
4. Bijaya Chattaraj	M.A.	Govt. approved Part-time teacher	Agricultural Economics	32 years 1 month	Nil
5. Atasi Chowdhury	M.A., MBA	Govt. approved Part-time teacher	Agricultural Economics in PG , Marketing and HR in MBA	6 years 8 months	Nil

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.A/B.Sc (Honours)	2014-2015	0	0
	2013-2014	0	0
	2012-2013	0	0
	2011-2012	0	0
B.A./ B.Sc (General)	***2014-2015***	0	0
	2013-2014	0	0
	2012-2013	0	0
	2011-2012	0	0

13. Student -Teacher Ratio (programme wise):- U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.A/B.Sc (Honours)	***2014-2015***	63	3	21:1
	2013-2014	97	3	32:1
	2012-2013	105	3	35:1
	2011-2012	99	3	33:1
B.A/B.Sc (General)	***2014-2015***	112	5	22:1
	2013-2014	118	5	24:1
	2012-2013	115	5	23:1
	2011-2012	109	5	22:1

14. Number of academic support staff (technical) and administrative staff Sanctioned and filled:

Sanctioned - Nil

Filled - Nil

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

With Ph.D. – 1

With M. Phil – 1

M.A/M.Sc. – 3

Name & Designation	Qualification
Dr. Asish Kumar Dey, Principal	M.A., Ph.D.
Sk. Md. Fakruddin, Associate Professor	M.Sc.
Bholanath Mandal, Assistant Professor	M.A., B.Ed, M.Phil
Bijaya Chattaraj, Government approved part-time teacher	M.A.
Atasi Chowdhury, Government approved part-time teacher	M.A., MBA

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University : Nil

19. Publications :

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publication Listed in International data	Monograph	Books				SNIP	SJR	Impact factor	h-index
			National	International	National	International			Chapter in Books	Book Edited/ Authored	Book with ISBN No	Citation Index				
1	Dr. Asish Kumar Dey	20	15							3	2					
2.	Atasi Chowdhury	03	03													

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards :

1. Dr. Asish Kumar Dey

Chief Editor "DBM Social Science Reporter" ISSN No. 2347-1905

2. Sk. Md. Fakruddin

Member, Indian Society of Agricultural Economics.

22. Student projects

a) Percentage of students who have done in-house projects including interdepartmental programme: All 3rd year students have to do in-house project on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies :

Nil

23. Awards/ Recognitions received by faculty and students :

Commonwealth Scholarship, Uk Award 2003 for Faculty to Prof. Sk. Md. Fakruddin

24. List of eminent academicians and scientists/ visitors to the department:

Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National : Nil

b)International : Nil

26. Student profile programme/course wise:

Name of the Course / programme	Applications received	Selected/ Admitted	Year of Passing	Appeared in the final Examination		Pass percentage
				Male	Female	
B.A./B. Sc. Honours (2015-2016)	Central counseling System	03		Yet to appear	Yet to appear	
B.A./B. Sc. Honours (2014-2015)	Central counseling System	12		Yet to appear	Yet to appear	
B.A./B. Sc. Honours (2013-2014)	Online admission conducted by Burdwan University	13		Yet to appear	Yet to appear	
B.A./B. Sc. Honours (2012-2013)	Central counseling System	38	2015	15	21	36.11%
B.A./B. Sc. Honours (2011-2012)	Central counseling System	46	2014	08	12	55.00%
B.A./B. Sc. Honours (2010-2011)	Central counseling System	24	2013	11	10	47.62%
B.A./B. Sc. Honours (2009-2010)	Central counseling System	18	2012	16	09	68.00%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
BA/ BSc (Honours)	100	Nil	Nil
BA/BSc (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, & School Service Commission Examinations, Banking P.O officers examinations.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	40 % on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	No Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: 5480 Books are available

b) Internet facilities for Staff & Students : Available

c) Class rooms with ICT facility : Nil

d) Laboratories: Nil

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	**1**		
2013-2014	**0**		
2012-2013	**6**		
2011-2012	**1**		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with

external experts: Nil

33. Teaching methods adopted to improve student learning:

Lecture method with board works and providing special study notes for some specific topics.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Participation in NCC and NSS for growing social awareness and responsibility among the students, excellence and perfection in learning and inspiring them for further studies and to be settled in life.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength:

Good and rare collection of books.

Some of our ex-students kept a good academic record at PG level and amongst them some have found engagements in different sectors.

Teacher-student relationship is very good.

W ⇒ Weakness:

Lack of full time teachers.

Classrooms should be more equipped for better teaching.

.O ⇒ Opportunity:

a) Opening of P.G. course,

b) Study Centre, carrier counseling for competitive examination.

C ⇒ Challenges:

We want to make the department an excellent centre of learning. We tried our best to modernise the library and classrooms. We have a plan to set up research facilities.

ENGLISH

1. Name of the department : ENGLISH

2. Year of Establishment : Intermediate – 1957

: B.A.(General) – 1957

: B.A (Honours) – 1969

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters;

Integrated PhD etc.) **:** B.A (Honours)

: B.A (General)

4. Names of Interdisciplinary courses and the departments/units involved : NA

5. Annual/ semester/choice based credit system (Programme wise):

B.A. English (Honours & General) : Annual

Sent-up Test Examinations for B.A(Honours & General)

as well as conducted time to time class test for Hons.

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:

Intermediate course discontinued in 2002 as per the decision of the Government of West Bengal.

9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	06	01
Asst. Professors		03

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 PhD students guided for the last 4 years
Dr. Sharbani Banerjee (Mukherjee)	M.A., B.Ed., Ph.D.	Associate Professor	American Literature & Modern British Literature	24yrs,	Nil
Sujit Malick	M.A, B.Ed.	Assistant Professor	E.L.T, Discourse Analysis	-	Nil
Arunima Karmakar	M.A.	Assistant Professor	Literary Theory , Old and Medieval English	1 year 4 months (as Guest lecturer)	Nil
Kasturi Joddar	M.A.,PGCTE,PGDTE	Assistant Professor	Translation Studies	10 years	Nil
Sohini Banerjee	M.A.	Management approved part time teacher	NA	2 years	

11. List of senior visiting faculty **:** Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.A. (Honours)	2014-2015	60%	NA
	2013-2014	47%	NA
	2012-2013	35.8%	NA
	2011-2012	0	NA
Courses	**Session**	**% of lectures delivered**	**% of practical Classes/ Projects**
B.A. (General)	***2014-2015***	77%	NA
	2013-2014	50%	NA
	2012-2013	46%	NA
	2011-2012	0	NA

13. Student -Teacher Ratio (programme wise):- U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.A. (Honours)	***2014-2015***	56	4	14:1
	2013-2014	53	5	11:1
	2012-2013	60	5	12:1
	2011-2012	54	4	14:1
B.A (General)	***2014-2015***	349	4	88:1
	2013-2014	316	5	63:1
	2012-2013	405	5	81:1
	2011-2012	379	4	95:1

14. Number of academic support staff (technical) and administrative staff Sanctioned and filled:

Sanctioned - Nil

Filled - Nil

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

With PhD – 01

With M. Phil – 00

M.A. – 04

Name & Designation	Qualification
Mrs. Sharbani Banerjee (Mukherjee), Associate Professor	M.A. B.Ed. Ph.D.
Mr. Sujit Malik, Assistant Professor	M.A. B.Ed.
Miss Arunima Karmakar, Assistant Professor	M.A
Mrs. Kasturi Joddar, Assistant Professor	M.A.
Miss Sohini Banerjee, Management approved part-time teacher	M.A.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University : Nil

19. Publications :

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publication Listed in International data base (Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	Monograph	Books			Citation Index	SNIP	SJR	Impact factor	h-index
			National	International	National	International			Chapter in Books	Book Edited/ Authored	Book with ISBN No					
1	Dr. Sharbani Banerjee	8	2	-	2	-			3		1					

20. Areas of consultancy and income generated :

Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards

:

1 (Dr. Sharbani Banerjee is on the editorial board of a book of criticism on American Novels to be published by World View Publishers, New Delhi whose printing is in progress.

22. Student projects

a) Percentage of students who have done in-house projects including interdepartmental programme: All 3rd year students have to do in-house project on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : Nil

23. Awards/ Recognitions received by faculty and students :

Nil

24. List of eminent academicians and scientists/ visitors to the department:

Dr. Ana Gracia Arroyo, Professor of English, University of Terragona, Barcelona, Spain, delivered a lecture and took part in an Interaction with the students in July, 2010

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National : Nil

b)International : Nil

26. Student profile programme/course wise:

Year of Admission	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass Percentage
				Male	Female	
2015	Online admission conducted by College	48		Yet to appear	Yet to appear	
2014	Central counselling System	56		Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	53		Yet to appear	Yet to appear	
2012	Central counseling System	60	2015	20	19	57.69
2011	Central counseling system	54	2014	10	22	48.28
2010	Central counseling system	50	2013	12	19	80.64
2009	Central counseling system	55	2012	27	29	83.93

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
B.A. (Honours)	100	Nil	Nil
B.A. (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SLET, & School Service Commission Examinations, Banking P.O officers examinations, Staff Selection Commission Examinations etc.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	46 % on the average for last 4 years(records not preserved).
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: 4839 Books are available

Seminar Library: 250 Books are available

b) Internet facilities for Staff & Students : All Departmental Staff and Honours Students

c) Class rooms with ICT facility : Nil

d) Laboratories: NA

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	**13**	**-**	**-**
2013-2014	**10**	**-**	**-**
2012-2013	**14**	**-**	**-**
2011-2012	**12**	**-**	**-**

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

Teachers provide special remedial classes for the students before their exams and students seminars are organized for the enrichment of the students.

33. Teaching methods adopted to improve student learning:

Chalk and talk method and audio- visual means are used to impart knowledge to the students. Movies of the various drama and novels of the syllabus are shown to the students for their better understanding of the literary texts.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Various students take part in the N.S.S camps and programme arranged by the college authorities.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength: The department boasts of sincere students who take active interest in academics and all extra-curricular activities such as Educational exhibition, Fresher's Welcome, Teacher's Day celebrations, Annual Sports, Cultural Talent Competitions etc. Many of the students of this department are now successfully placed in Colleges, Universities, Banks, Schools, as established Advocates, Customs Officers and so on.

W ⇒ Weakness: As Raniganj is a mufassil town on a remote coal-belt area on the border of the districts of Burdwan and Bankura, our students are mostly from rural areas having a vernacular medium background. This makes them weak in the basics of English grammar and syntax that makes teaching them and raising their standard to Honours level, a very difficult and uphill task.

O ⇒ Opportunity: The department provides a gateway to a successful professional career to all students as English language forms the basis of all competetive examinations and teaching jobs.

C ⇒ Challenges: As mentioned in the Weakness area, our primary challenge is to uplift our students to the expected Honours standard as their Grammatical foundation remains weak due to a backward school education. As many students belong to families below the poverty line, drop-outs due to financial crisis is a stark reality.

GEOGRAPHY

1. Name of the department : GEOGRAPHY

2. Year of Establishment : Intermediate (Business Geography)-1957

: General: 1984

: Honours: 1986

3. Names of Programmes / Courses offered: B.A. (Honours)

B.A. (General)

4. Names of Interdisciplinary courses and the departments/units involved: NA

5**. Annual/ semester/choice based credit system (programme wise):**

B.A. (Honours and General)

i. Annual class test and sent-up test examinations for B.A Honours

ii. Sent-up test examinations for B.A. General

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:

Intermediate course discontinued in 2002 as per the decision of The Government of West Bengal.

9. Number of Teaching Posts

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	05	01
Asst. Professors		04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4years
Prabodh Kumar De	M.A.	Associate Professor	Cartography	29 years	Nil
Suma Dawn	M.A., B.Ed., M.Phil.	Assistant Professor	Urban Geography	5 years	Nil
Dipankar Oraw	M.A., M.Phil.	Assistant Professor	Geomorphology	9 months	Nil
Aditi Gain	M.A.	Assistant Professor	Environmental Issues in Geography	9 months	Nil
Dr. Sarbendu Bikash Dhar	M.Sc., B.Ed., Ph.D.	Assistant Professor	Environmental Geography	8 Months(FT) 1 Yr. (GL)	Nil
Rabindranath Chaterjee	B.Sc.	Laboratory Instructor	NA	25 years	Nil

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.A. (Honours)	2014 - 2015	36.84	40.00
	2013 - 2014	35.29	42.31
	2012 - 2013	00.00	00.00
	2011 - 2012	Not Applicable	Not Applicable

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.A. (General)	2014 – 2015	33.33	22.22
	2013 - 2014	55.56	00.00
	2012 - 2013	62.50	80.00
	2011 - 2012	Not Applicable	Not Applicable

13. Student -Teacher Ratio (programme wise): U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.A. (Honours)	2014-2015	123	8	15:1
	2013-2014	118	6	20:1

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
	2012-2013	113	5	23:1
	2011-2012	105	3	35:1
B.A. (General)	2014-2015	170	8	21:1
	2013-2014	181	6	30:1
	2012-2013	196	5	39:1
	2011-2012	202	3	67:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sanctioned: 02

Filled: 02 (Laboratory attendants)

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG:

With Ph.D.: 01

With M. Phil: 02

M A/M Sc: 02

Name and Designation	Qualification
Prabodh Kumar De, Associate Professor	M.A.
Suma Dawn, Assistant Professor	M.A., B.Ed., M.Phil.
Dipankar Oraw, Assistant Professor	M.A., M.Phil.
Aditi Gain, Assistant Professor	M.A.
Dr. Sarbendu Bikash Dhar, Assistant Professor	M.Sc., B.Ed., PhD.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publications listed in International Data base (web of sciences, Scopus, Humanities International Complete, Dare Data Base, International Social Sciences Directory, EBSCO host etc.)	Monogrphs	Books			Citation Index	SNIP	SJR	Impact Factor	h-Index
			National	International	National	International			Chapter in Books	Books with ISBN No.	Book Edited/ Authored					
1	Prabodh Kumar De	08	01								07					
2	Suma Dawn	03	03													
3	Dipankar Oraw	08	06	02												
4	Aditi Gain	00														
5	Dr. Sarbendu Bikash Dhar	09	07	01		01									2.8	

20. Areas of consultancy and income generated: Nil

21. Faculty as members in Editorial Boards: Nil

22. Student projects: Field Work and Excursion in General and Honours Course

a) Percentage of students who have done in-house projects including interdepartmental programme: 56%. Apart from this all 3rd year students have to do in-house projects on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: 68%

23. Awards/ Recognitions received by faculty and students:

Faculty	Award
Prabodh Kumar De, Associate Professor	Gold Medal in P.G. Examination (University of Calcutta, 1980)

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:

Year of Admission	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015	Online admission conducted by the College	38	2018	Yet to appear	Yet to appear	
2014	Central counseling system	43	2017	Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	40	2016	Yet to appear	Yet to appear	

Year of Admission	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2012	Central counseling system	40	2015	14	20	92.86
2011	Central counseling system	38	2014	20	7	92.60
2010	Central counseling system	35	2013	11	11	95.24
2009	Central counseling system	32	2012	21	15	86.84

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
Geography Honours	100%	Nil	Nil
Geography General	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, & School Service Commission Examinations, College Service Commission, Banking P.O officers examinations etc.

29. Student Progression

Student progression	Against % enrolled
UG to PG	90% on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30.Details of Infrastructural facilities

a) Library:

Central Library: 1993 Books are available

Seminar Library: 104 Books are available

b) Internet facilities for Staff & Students : Available in the Department

c) Class rooms with ICT facility : Nil

d) Laboratories: Available

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	20		32
2013-2014	23		
2012-2013	19		
2011-2012	17		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning: Normal Lecture, Overhead Projector, Power Point Presentation through LCD Projector, Field Work, Study material provided for each specific topic and module tests are taken after completion of each topic, Laboratory Instruments.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Participation of the students in NCC, NSS, Games and Sports and other group activities.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength: The Department of Geography possesses quite efficient and experienced teaching and laboratory staffs. Quality of students, especially in the Honours course is remarkable, that helps the department to provide good quality result in the university examinations every year. Departmental infrastructure is satisfactory, having an area approximately 3000 sq. Ft., well equipped laboratory, computer lab, seminar library, tracing room, a large open corridor and well ventilated class rooms.

W ⇒ Weakness: Still the department is lacking short of some new age infrastructural issues like air conditioner facility, especially in the computer lab. With the increasing student strength numbers of computers, laboratory instruments should be increased for a quality teaching learning programme. The department has no smart class and seminar hall of its own. Last but the not least, it does not possess any toilet facility in the departmental area, neither for students nor for the staffs.

O ⇒ Opportunity: The department is quipped enough to hold minor and major research projects. In coming session the teaching staffs are planning to run such projects. The department is also willing to run a Post-Graduation Programme, if considered by the college and university authorities.

C ⇒ Challenges: There is a gap between the future planning and present day conditions of the department. The main problem is to meet the challenge of infrastructural development. The department needs more class rooms, modern facilities of teaching, wi-fi connectivity in the department etc. which have been not achieved due to the lack of sufficient fund.

HINDI

1. Name of the department : HINDI

2. Year of Establishment : Intermediate -1957

: General: 1957

: Honours: 1970

3. Names of Programmes / Courses offered: B.A. (Honours)

B.A. (General)

4. Names of Interdisciplinary courses and the departments/units involved:

NA

5. Annual/ semester/choice based credit system (programme wise):

B.A. (Honours and General):

i. Time to time class test and sent-up tests for B.A Honours

ii. Sent-up tests for B.A. General

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/programssmes discontinued (if any) with reasons:

Intermediate course discontinued in 2002 as per the decision of the Government of West Bengal.

9. Number of Teaching Posts

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	05	03

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4years
Manjula Sharma	M..A.	Assistant Professor	Katha Sahitya	9 Years	NIL
Ganesh Rajak	M.A., Ph.D.	Assistant Professsor	Chhayawad	1 Year	NIL
Mahendra Prasad Kushwaha	M.A., B.Ed. Ph.D., P.G.D.T	Assistant Professor	Hindi Aalochana, Fictions & Swatantryottar Hindi Sahitya	1 Year	NIL
Meena Singh	M.A.	Government approved Part-Time Teacher	Katha Sahitya	14 Years	NIL
Rina Tiwari	M.A.	Government approved Part-Time Teacher	Katha Sahitya	8 years	NIL
Kiranalata Dubey	M.A.	Government approved Part-Time Teacher	Katha Sahitya	10 Years	NIL

11. List of senior visiting faculty:

(a) Prof. Vimal, Deptt. Of Hindi, University of Burdwan, Burdwan.

(b) Prof. Damodar Mishra, Deptt. Of Hindi, Vidyasagar University, Medinipur.

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.A. (Honours)	2014-15	0	0
	2013-14	0	0
	2012-13	0	0
	2011-12	0	0

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.A. (General)	2014-15	0	0
	2013-14	0	0
	2012-13	0	0
	2011-12	0	0

13. Student -Teacher Ratio (programme wise): U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.A (Honours)	2014-2015	159	6	27:1
	2013-2014	145	5	29:1
	2012-2013	156	6	26:1
	2011-2012	147	6	25:1
B.A (General)	2014-2015	654	6	109:1
	2013-2014	644	5	129:1
	2012-2013	678	6	113:1
	2011-2012	669	6	112:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sanctioned: Nil

Filled: Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG:

With Ph.D.: 02

With M. Phil: 00

M. A. : 04

Name and Designation	Qualification
Manjula Sharma, Assistant Professor	M.A.Ph.D(submitted)
Ganesh Rajak, Assistant Professor	M.A, B.Ed, Ph.D
Mahendra Prasad Kushwaha, Assistant Professor	M.A., B.Ed. Ph.D, PGDT
Meena Kumari, Government approved Part-Time Teacher	M.A.
Reena Tiwari, Government approved Part-Time Teacher	M.A.
Kiranlata Dubey, Government approved Part-time Teacher	M.A.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publications listed in International Data base (web of sciences, Scopus, Humanities International Complete, Dare Data Base, International Social Sciences Directory, EBSCO host etc.)	Monogrphs	Books			Citation Index	SNIP	SJR	Impact Factor	h-Index
			National	International	National	International			Chapter in Books	Books with ISBN No.	Book Edited/ Authored					
1	Manjula Sharma	06		03					03							
2	Dr. Ganesh Rajak	05	04						01							
3	Dr. Mahendra Prasad Kushwaha	21	10		07				03		01					
4	Meena Kumari	03	02						01							
5	Reena Tiwari															
6	Kiranlata Dubey															

20. Areas of consultancy and income generated: Nil

21. Faculty as members in Editorial Boards: Nil

22. Student projects:

a) Percentage of students who have done in-house projects including interdepartmental programme: All 3rd year students have to do in-house projects on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards/ Recognitions received by faculty and students: Nil

24. List of eminent academicians visitors to the department:

(a) Prof. Vimal, Deptt. Of Hindi, University of Burdwan, Burdwan.

(b) Prof. Damodar Mishra, Deptt. Of Hindi, Vidyasagar University, Medinipur.

25. Seminars/ Conferences/Workshops organized & the source of funding:

(i)Hindi Diwas ke Uplakshya Mein Ayojit Vichar-Ghosthi

(ii) Proyojanmoolak Hindi: Aawashyaktayein Aur Sambhavnayein

26. Student profile programme/course wise:

Year of Admission	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015	Online admission conducted by College	62		Yet to appear	Yet to appear	
2014	Central counselling system	57		Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	43		Yet to appear	Yet to appear	
2012	Central counselling system	59	2015	10	39	56.52%
2011	Central counselling system	43	2014	12	32	77.27%
2010	Central counselling system	54	2013	9	42	88.24%
2009	Central counselling system	50	2012	14	36	82.14%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
Hindi Honours	100%	Nil	Nil
Hindi General	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defenses services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, & School Service Commission Examinations, College Service Commission, Banking examinations etc. Majority of the students of our department have been engaged them as teaching faculty in education department.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	90% on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library (**5872** Books are available)

Seminar Library **70** Books are available)

b) Internet facilities for Staff & Students **:** accessible.

c) Class rooms with ICT facility **:** Nil

d) Laboratories: Nil

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	25		**6+**
2013-2014	15		
2012-2013	29		
2011-2012	23		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

(i)Hindi Diwas ke Uplakshya Mein Ayojit Vichar-Ghosthi

(ii) Proyojanmoolak Hindi: Aawashyaktayein Aur Sambhavnayein

33. Teaching methods adopted to improve student learning:

normal Lecture method & special note provided for specific topics.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Participation of the students in NCC, NSS, Games and Sports and other group activities.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength: The Department of Hindi possesses quite efficient and experienced teaching staffs. Quality of students, especially in the Honours course is remarkable, that helps the department to provide good quality result in the university examinations every year.

W ⇒ Weakness: Department is lacking short of some new age infrastructural issues. With the increasing student strength numbers of quality teaching faculties are required to continue teaching learning programme. The department has no smart class and seminar hall of its own. Last but the not least, it does not possess any toilet facility in the departmental area, neither for students nor for the staffs.

O ⇒ Opportunity: The department is also willing to run a Post-Graduation Programme, if considered by the college and university authorities.

C ⇒ Challenges: Our primary challenge is to uplift our students to the expected Honours standard as their grammatical foundation remains weak due to a backward school education. As many students belong to families below the poverty line, drop-outs due to financial crisis is a stark reality.

HISTORY

1. Name of the department : HISTORY

2. Year of Establishment : Intermediate – 1957

: B.A. (General) – 1957

: B.A. (Honours) –1969

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated PhD etc.) : B.A. (Honours)

: B.A. (General)

4. Names of Interdisciplinary courses and the departments/units involved

: NA

5. Annual/ semester/choice based credit system (Programme wise):

B.A. (Honours & General) : Annual

Sent-up Test Examinations for B.A (Honours & General) as well as class test conducted time to time for Hons.

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:

Intermediate course discontinued in 2002 as per the decision of the Government of West Bengal.

9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	05	01
Asst. Professors		01

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 PhD students guided for the last 4 years
1.Mobinul Islam	M.A., B.Ed.	Associate Professor	Medieval India	28 years	Nil
2. Damrupani Bhattacharya	M.A., M.Phil, B.Ed.	Assistant Professor	Modern India	8 years	Nil
3.MollaSamual Haque	M.A.	Part-Time Teacher (Govt. approved)	U.S.A.	11Years	Nil
4.Rahul Nag	M.A.	Management approved Part-time Teacher	Ancient Indian History& Culture	3 Months	Nil
5.Tanmoy Goswami	M.A., B.Ed.	Management approved Part-time Teacher	Modern India	3 Months	NIL

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.A (Honours)	2014-2015	N.A	Nil
	2013-2014	37.2	Nil
	2012-2013	37.2	Nil
	2011-2012	37.2	Nil
B.A (General)	***2014-2015***	N.A.	Nil
	2013-2014	38.46	Nil
	2012-2013	38.46	Nil
	2011-2012	38.46	Nil

13. Student -Teacher Ratio (programme wise):- U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.A. (Honours)	***2014-2015***	134	4	33:1
	2013-2014	150	4	37:1
	2012-2013	170	4	42:1
	2011-2012	160	4	40:1
B.A. (General)	***2014-2015***	2031	4	507:1
	2013-2014	2033	4	508:1
	2012-2013	1827	4	456:1
	2011-2012	1518	4	379:1

14. Number of academic support staff (technical) and administrative staff Sanctioned and filled:

Sanctioned - Nil

Filled - Nil

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

With PhD – Nil

With M. Phil – 01

M.A – 04

Name & Designation	Qualification
1.Mobinul Islam (Associate Professor)	M.A., B.Ed.
2. Damrupani Bhattacharyya (Assistant Professor)	M.A., M.Phil, B.Ed.
3 Samiul Hoque (Govt. approved part-time Teacher)	M.A.
4.Rahul Nag(Management approved part time teacher)	M.A.
5. Tanmoy Goswami (Management approved part time teacher)	M.A.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University : Nil

19. Publications :

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publication Listed in International data base (Web of Science, Scopus, Humanities International Complete, Dare Database -International Social Sciences	Monograph	Books							
			National	International	National	International			Chapter in Books	Book Edited/ Authored	Book with ISBN No	Citation Index	SNIP	SJR	Impact factor	h-index
1	MOBINUL ISLAM	10	0	0	0	0	0	0	9	0	1	0	0	0	0	0
2	DAMRUPANI BHATTACHARYYA	6	2	0	1	0	0	0	3	0	0	0	0	0	0	0
3	RAHUL NAG	1							1							

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 programme: All 3rd year students have to do in-house projects on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : Nil

23. Awards/ Recognitions received by faculty and students :

Nil

24. List of eminent academicians and scientists/ visitors to the department:

Dr. Gourishankar Banerjee, Associate Professor, Shyamsundar College, West Bengal.

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National : One (National Seminar on "Jihad and Global terrorism: A New Perception in Contemporary History" – organized on 14.01.2011 by the Dept. of History, Funded by T.D.B. College)

b)International : Nil

26. Student profile programme/course wise:

Year of Admission	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015-2016	Online admission conducted by College	35		Yet to appear	Yet to appear	
2014-2015	Central counselling System	36		Yet to appear	Yet to appear	
2013-2014	Online admission conducted by Burdwan University	36		Yet to appear	Yet to appear	
2012-2013	Central counselling System	62	2015	19	15	60%
2011-2012	Central counselling system	52	2014	26	18	68.18 %
2010-2011	Central counselling system	56	2013	36	16	50%
2009-2010	Central counselling system	52	2012	33	19	63.16 %

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
BA/ BSc (Honours)	100	Nil	Nil
BA/BSc (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, & School Service Commission Examinations, Banking P.O officers examinations.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	90% on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: 3663 Books are available

Seminar Library: 197 Books are available

b) Internet facilities for Staff & Students : Available

c) Class rooms with ICT facility : Nil

d) Laboratories : Nil

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	**14**		**20**
2013-2014	**12**		
2012-2013	**15**		
2011-2012	**20**		

32. Details on student enrichment programmes (special lectures / workshops /seminar etc) with external experts:

a) Special lecture of Prof. Jyethika Waghela, Raniganj Girls College on **Development of Indian History from Ancient time to Modern Time** organized by the Dept. of History, T.D.B. College, Raniganj on 14/01/2015.

b) An educational Excursion to Deuli(near Joydeb) on 17/01/2015.

33. Teaching methods adopted to improve student learning: Mainly we use the lecture method i.e. chalk and black board for teaching and discussion the topics. Class notes and model answers are provided to the students as and when required. Some special classes, like career counseling classes have been taken by using the LCD projector.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Participated in NCC, NSS (for social awareness and responsibility among the students), Games and Sports etc.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength:

Good and rare collection of books.

Some of our ex-students kept a good academic record at PG level and amongst them some have found engagements in different sectors.

Teacher students relationship is very good.

W ⇒ Weakness:

Lack of full time teachers.

Classrooms should be more equipped for better teaching.

O ⇒ Opportunity:

a)Opening of P.G. course,

b) Study Centre, carrier counseling for competitive examination.

c) History Club.

C ⇒ Challenges:

We want to make the department an excellence of learning. We tried our best to modernise the library and classrooms. We have a plan to set up research facilities.

PHILOSOPHY

1. Name of the department : PHILOSOPHY

2. Year of Establishment **:** Intermediate – 1957

: B.A (General) – 1957

: B.A (Honours) – 2008

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated PhD etc.) **:** B.A. (Honours)

: B.A. (General)

4. Names of Interdisciplinary courses and the departments/units involved

: NA

5. Annual/ semester/choice based credit system (Programme wise):

B.A. (Honours & General) : Annual

Sent-up Test Examinations for B.A.(Honours & General) as well as class tests conducted time to time for Hons.

6. Participation of the department in the courses offered by other departments: NA

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of Courses/Programmes discontinued (if any) with reasons:

Intermediate course discontinued in 2002 as per the decision of the Government of West Bengal.

9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	02	01
Asst. Professors		00

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 PhD students guided for the last 4 years
Ahinpunya Mitra	M.A., Ph.D	Associate Professor	Advanced Logic	14 years	Nil
Dola Kanjilal	M.A	Part-time teacher (Govt. approved)	Religion	14 years	Nil
Sangita Kanjilal	M.A	Part-time teacher (Govt. approved)	Buddhism	14 years	Nil
Rajesh Guin	M.A	Part-time teacher (Govt. approved)	Philosophy of Language and Philosophy of Mind	6 years	Nil
Saraswati Majumdar	M.A	Management Approved Part time Teacher	Nyaya-Vaisesika Philosophy	4years	Nil

11. List of senior visiting faculty **:** Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.A (Honours)	2014-2015	13%	Nil
	2013-2014	28%	Nil
	2012-2013	28%	Nil
	2011-2012	28%	Nil
Courses	**Session**	**% of lectures delivered**	**% of practical Classes/ Projects**
B.A (General)	***2014-2015***	42%	Nil
	2013-2014	25%	Nil
	2012-2013	25%	Nil
	2011-2012	33%	Nil

13. Student -Teacher Ratio (programme wise):- U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.A. (Honours)	***2014-2015***	54	3	18:1
	2013-2014	64	3	21:1
	2012-2013	76	3	25:1
	2011-2012	70	3	23:1
B.A. (General)				
	2014-2015	819	5	164:1
	2013-2014	843	5	167:1
	2012-2013	872	5	174:1
	2011-2012	658	5	132:1

14. Number of academic support staff (technical) and administrative staff Sanctioned and filled:

Sanctioned - Nil

Filled - Nil

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

With PhD – 01

With M. Phil – Nil

M.A – 04

Name & Designation	Qualification
Ahinpunya Mitra, Associate Professor	M.A, Ph.D.
Dola Kanjilal, Govt. approved Part-time teacher	M.A
Sangita Kanjilal, Govt. approved Part-time teacher	M.A
Rajesh Guin, Govt. approved Part-time teacher	M.A
Saraswati Majumdar, Management approved Part-time teacher	M.A

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: One completed project by Dr. Ahinpunya Mitra(2012-13), funded agency UGC, grant of Rs. 80,500

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University : Nil

19. Publications :

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publication Listed in International data base (Web of Science, Scopus, Humanities International Complete, Dare Database -International Social Sciences	Monograph	Books			Citation Index	SNIP	SJR	Impact factor	h-index
			National	International	National	International			Chapter in Books	Book Edited/ Authored	Book with ISBN No					
1	Ahinpunya Mitra	12			7				4		1					

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards :

Dr. Ahinpunya Mitra, Member, Board of undergraduate studies, Kazi Nazrul University.

22. Student projects

a) Percentage of students who have done in-house projects including interdepartmental / programme: All 3rd year students have to do in-house projects on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies :Nil

23. Awards/ Recognitions received by faculty and students :

Dr. Ahinpunya Mitra, a senior faculty of the department, was awarded Gold Medal and Sarojini Mitra Medal for standing first in the first class in M.A. examination (University of Burdwan, 1995).

24. List of eminent academicians and scientists/ visitors to the department:

Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National : Nil

b)International : Nil

26. Student profile programme/course wise:

Year of Admission	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015	Online admission conducted by College	11	2018	Yet to appear	Yet to appear	
2014	Central counselling system	14	2017	Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	12	2016	Yet to appear	Yet to appear	
2012	Central counselling system	28	2015	01	06	67.00%
2011	Central counselling system	24	2014	0	12	25.00%
2010	Central counselling system	24	2013	03	08	63.64%
2009	Central counselling system	22	2012	15	04	52.63%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
B.A. (Honours)	100	Nil	Nil
B.A. (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students have qualified in different competitive examinations, such as WBCS, SSC, NET, SET, & School Service Commission Examinations, Banking P.O officers examinations..

29. Student progression

Student progression	Against **%** enrolled
UG to PG	Approximately 12.% on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	5% Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: 1610 books are available

b) Internet facilities for Staff & Students : Nil

c) Class rooms with ICT facility : Nil

d) Laboratories : Nil

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	**07**		**08**
2013-2014	**07**		
2012-2013	**11**		
2011-2012	**09**		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with

external experts: Nil

33. Teaching methods adopted to improve student learning: Mainly we use the lecture method i.e. chalk and black board for teaching and discussion the topics. Class notes and model answers are provided to the students as and when required. Some special classes, like career counseling classes have been taken by using the LCD projector.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Students participated in NCC, NSS (for social awareness and responsibility among the students), Games and Sports etc.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength:

Possessed of wide range of books, some of which are rare.

Some of our ex-students have performed well at PG level and amongst them some have found engagements in different sectors.

An ideal teacher- student relationship is the life-force of the department. Students are humble and eager to receive education, and teachers are enthusiastic to impart.

W ⇒ Weakness:

Lack of full time teachers.

Classrooms should be more equipped for better teaching.

O ⇒ Opportunity: Since philosophy is connected to morality, the department can arrange for special classes where efforts will be made to improve the moral consciousness of the students of the college at large by imparting value-based lessons prescribed by moral- philosophers of different countries and of different periods of time.

C ⇒ Challenges:

Our motto is to transform the department into a centre of excellence. Sincerely we are giving utmost effort to equip the library with good books and modern facilities. Despite the present dearth of teachers, we have the zeal to take up the challenge of opening up post graduate studies and setting up research facilities.

POLITICAL SCIENCE

1. Name of the department : POLITICAL SCIENCE

2. Year of Establishment : Intermediate – 1957

: B.A. (General) –1968

: B.A. (Honours) – 1973

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated PhD etc.) **:** B.A. (Honours)

: B.A. (General)

4. Names of Interdisciplinary courses and the departments/units involved

: Nil

5. Annual/ semester/choice based credit system (Programme wise):

B.A. (Honours & General) : Annual

Sent-up Test Examinations for B.A.(Honours & General) as well as conducted time to time class test for Hons.

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:

Intermediate course discontinued in 2002 as per the decision of the Government of West Bengal.

9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors		
Asst. Professors	05	03

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 PhD students guided for the last 4 years
Rakhi Chowdhury	M.A., M.Phil.,B.Ed.	Assistant Professor	Political Sociology and Human Rights	7 years	Nil
Shankhamala Ray	M.A.	Assistant Professor	South East Asia, Films and Politics	4 years	Nil
Monalisa Bhattacharjee	M.A.	Assistant Professor	Cultural Politics, Films and Politics	12 years	Nil

11. List of senior visiting faculty **:** Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.A. (Honours)	2014-2015	15%	0
	2013-2014	30%	0
	2012-2013	35%	0
	2011-2012	35%	0
Courses	**Session**	**% of lectures delivered**	**% of practical Classes/ Projects**
B.A. (General)	***2014-2015***	15%	0
	2013-2014	30%	0
	2012-2013	35%	0
	2011-2012	35%	0

13. Student -Teacher Ratio (programme wise):- U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.A. (Honours)	***2014-2015***	103	3	34:1
	2013-2014	133	1	133:1
	2012-2013	151	1	151:1
	2011-2012	148	2	74:1
B.A. (General)	***2014-2015***	1855	3	618:1
	2013-2014	1676	1	1676:1
	2012-2013	1502	1	1502:1
	2011-2012	1360	2	680:1

14. Number of academic support staff (technical) and administrative staff Sanctioned and filled: nil

Sanctioned - 0

Filled - 0

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

With PhD – 0

With M. Phil – 1

M.A/M.Com – 2

Name & Designation	Qualification
Rakhi Chowdhury, Assistant Professor	M.A., B.ED, M.Phil.
Shankhamala Ray, Assistant Professor	M.A.
Monalisa Bhattacharjee, Assistant Professor	M.A.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University : Nil

19. Publications :

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publication Listed in International data base (Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	Monograph	Books			Citation Index	SNIP	SJR	Impact factor	h-index
			National	International	National	International			Chapter in Books	Book Edited/ Authored	Book with ISBN No					
1	Rakhi Chowdhury															
2	Shankhamala Ray	4	2						2							
3	Monalisa Bhattacharjee	6	1		2	3										

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 programme: 65%. Apart from this, all 3rd year students have to do in-house projects on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : 35%

23. Awards/ Recognitions received by faculty and students :

Monalisa Bhattacharjee (Faculty)- Gold medalist- M.A. (2003), Rabindra Bharati University

Arindam Mukherjee (student)- Gold Medalist, B.A. (2014), University of Burdwan

Preeti Dutta (student)- Gold Medalist, B.A. (2013), University of Burdwan

24. List of eminent academicians and scientists/ visitors to the department:

Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National : Nil

b)International : Nil

26. Student profile programme/course wise:

Name of the Course / programme	Applications received	Selected/ Admitted	Year of passing	Appeared in the final Examination		Pass percentage
				Male	Female	
BA. Honours (2015-2016)	Central counseling system	38	2018	Yet to appear	Yet to appear	
B.A. Honours (2014-2015)	Central counseling system	15	2017	Yet to appear	Yet to appear	
B.A Honours (2013-2014)	Online admission conducted by Burdwan University	37	2016	Yet to appear	Yet to appear	
B.A Honours (2012-2013)	Central counseling system	51	2015	11	19	75.44%
B.A Honours (2011-2012)	Central counseling system	45	2014	16	20	72.22%
B.A Honours (2010-2011)	Central counseling system	55	2013	22	14	90.00%
B.A Honours (2009-2010)	Central counseling system	48	2012	22	21	80.49%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
B.A. (Honours)	99%	1%	Nil
B.A. (General)	98%	2%	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, Law, Journalism, NET, SET, & School Service Commission Examinations, Banking P.O officers examinations.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	45% on the average for last 4 years.
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: **3168** Books are available

b) Internet facilities for Staff & Students : Available

c) Class rooms with ICT facility : Nil

d) Laboratories : Nil

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	**1**		**9**
2013-2014	**13**		
2012-2013	**10**		
2011-2012	**20**		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with

external experts: Nil

33. Teaching methods adopted to improve student learning: Normal lecture method and special notes are provided for specific topics. Audio visual capsules are also used to teach specific topics.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Participation in NCC, NSS, various games and sports for social awareness and responsibilities is high among the students. Students also participate in various socio-politico-economic projects arranged by the department.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength: Political Science is a very career-friendly subject. It helps the students in various spheres of occupation like civil service, academics, journalism and mass communication, law, social service etc.

W ⇒ Weakness: Most of the students who write in English in the examinations are from Hindi medium schools. So they cannot always properly express themselves academically. Poor attendance is also a cause of their poor performances.

O ⇒ Opportunity: Political Science is a subject that helps the students in competitive exams, administrative studies and research in socio-politico-economic arena.

C ⇒ Challenges: Poor comprehension skill of most of the students and technically challenged classrooms.

SANSKRIT

1. Name of the department : SANSKRIT

2. Year of Establishment : Intermediate: 1957

: B.A (General) –1960

: B.A (Honours) – 2006

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D, etc.) : B.A. (Honours)

B.A. (General)

4. Names of Interdisciplinary courses and the departments/units involved: NA

5. Annual/ semester/choice based credit system (programme wise):

B.A. (Honours and General): Annual Class test and sent-up test Examinations for B.A. Honours.

Sent-up test Examinations for B.A. General.

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: Intermediate course discontinued in 2002 as per the decision of the Government of West Bengal.

9. Number of Teaching posts:

Post	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	02	00

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
Debanwita Chakraborty	M.A.	Management Approved Part Time Teacher	Vedanta	3 years	Nil
Baban Gope	M.A, M.Phil.	Management Approved Part Time Teacher	Veda	5 years	Nil
Champa Dutta	M.A,	Management Approved Part Time Teacher	Veda	1 years	Nil
Shib Das Chakrabarty	M.A., B.Ed.	Management Approved Contractual Teacher	Literature	16 years	Nil

11. List of senior visiting faculty **:** Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty :

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.A (Honours)	2014-2015	80%	Nil
	2013-2014	100%	Nil
	2012-2013	67%	Nil
	2011-2012	67%	Nil
B.A (General)	***2014-2015***	80%	Nil
	2013-2014	100%	Nil
	2012-2013	67%	Nil
	2011-2012	6%	Nil

13. Student -Teacher Ratio (programme wise):- U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.A. (Honours)	***2014-2015***	33	04	8:1
	2013-2014	26	04	7:1
	2012-2013	28	04	7:1
	2011-2012	29	04	7:1
B.A. (General)	***2014-2015***	465	04	116:1
	2013-2014	478	04	120:1
	2012-2013	629	04	157:1
	2011-2012	721	04	180:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :

Sanctioned: Nil

Filled: Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. :

Ph.D. – 00

M.Phil – 01

M.A.-03

Name & Designation	Qualification
Debanwita Chakraborty, Management Approved Part-time Teacher	M.A.
Baban Gope, Management Approved Part-timeTeacher	M.A, M.Phil.
Champa Dutta, Management Approved Part-time Teacher	M.A,
Shib Das Chakrabarty, Management Approved Contractual Teacher	M.A. , B.Ed.

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

a) National committees b) International Committees c) Editorial Boards : Nil

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental programme **:** All 3rd year students have to do in-house projects on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards/ Recognitions received by faculty and students : Nil

Year of Admission	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percent age
				Male	Female	
2015	Online admission conducted by College	22	2018	Yet to appear	Yet to appear	
2014	Central counseling system	33	2017	Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	26	2016	Yet to appear	Yet to appear	
2012	Central counseling system	28	2015	07	14	47.37%
2011	Central counseling system	29	2014	07	12	47.37%
2010	Central counseling system	31	2013	07	11	56.25%
2009	Central counseling system	20	2012	11	13	81.82%

24. List of eminent academicians and scientists/ visitors to the department:

Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National : Nil

b) International : Nil

26. Student profile programme/course wise:

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
UG (Honours)	100	Nil	Nil
UG (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, GATE& School Service Commission Examinations.

29. Student progression

Student progression	Percentage
UG to PG	45% on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Applicable
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library: Central Library: 1518 Books are available

b) Internet facilities for Staff & Students: Available for Staff.

c) Class rooms with ICT facility: Nil

d) Laboratories: Nil

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	**13**		
2013-2014	**10**		
2012-2013	**12**		
2011-2012	**09**		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning:

Mainly we use the chalk and black board for teaching and discussion the topics. Class notes are given to the students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students participate in NCC, NSS (for social awareness and responsibility among the students), Games and Sports etc.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength:

Teacher students relationship is very good and good stocks of different books in our library.

W ⇒ Weakness:

Lack of full time teachers.

Classrooms should be more equipped for better teaching.

O ⇒ Opportunity:

Sanskrit has a good opportunity in different government service like S.S.C, P.S.C, and C.S.C. etc. Besides these jobs one can go to the higher studies and done a very good research work for better and brighter career.

C ⇒ Challenges:

We want our department to achieve excellence in teaching-learning. We tried our best to modernise the classrooms.

URDU

1. Name of the department : URDU

2. Year of Establishment : Intermediate - 1978

: B.A (General) – 1969

: B.A. (Honours) – 1996

: MA – 2010

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters;

Integrated PhD, etc.) **:** M.A.

: B.A. (Honours)

: B.A. (General)

4. Names of Interdisciplinary courses and the departments/units involved

: Nil

5. Annual/ semester/choice based credit system (Programme wise):

MA : Semester System & Choice Based Credit System As well as Internal Assessment,

BA (Honours & General) : Annual Sent-up Test Examinations for B.A. (Honours & General) as well as class test conducted time to time for Hons.

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:

Intermediate course discontinued in 2002 as per the decision of the Government of West Bengal.

9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors		
Asst. Professors	05	03

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 PhD students guided for the last 4 years
Dr. Md. Shafquat Kamal	M.A., M.Phil, & Ph.D.	Assistant Professor	Urdu Short Story	5 years	8 students enrolled
Dr. Sabera Khatoon	M.A., Ph.D.	Assistant Professor	Urdu Poetry and Fiction	1 years	Nil
Dr. Mahjabeen	M.A., Ph.D.	Assistant Professor	Urdu Fiction	1years	Nil
Sarwar Mansoor	M.A.	WB Govt. approved Part-Time Teacher(PTT)	Urdu Non-Fictional Prose	15 years	Nil Nil
Nadim Akhtar	M.A.	WB Govt. approved Part-Time Teacher(PTT)	Urdu Nazm	13 years	Nil
Nikhat Parween	M.A.	WB Govt. approved Part-Time Teacher	Urdu Novel	9 years	Nil
Mobin Ansari	M.A.	WB Govt. approved Part-Time Teacher	Urdu Dastaan	10 year	Nil

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	% of lectures delivered	% of practical Classes/ Projects
MA	35%	NA
BA (Honours)	0	NA
BA (General)	0	NA

13. Student -Teacher Ratio (programme wise):- U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.A (Honours)	2014-2015	46	7	7:1
	2013-2014	55	6	9:1
	2012-2013	64	6	11:1
	2011-2012	63	6	11:1
B.A (General)	2014-2015	97	7	14:1
	2013-2014	105	6	18:1
	2012-2013	103	6	17:1
	2011-2012	94	6	16:1
M.A.	2014-2015	54	4	14:1
	2013-2014	36	3	12:1
	2012-2013	38	3	13:1
	2011-2012	48	3	16:1

14. Number of academic support staff (technical) and administrative staff

Sanctioned and filled:

Sanctioned - Nil

Filled - Nil

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

With Ph.D. – 03

MA – 04

Name & Designation	Qualification
Dr. Md. Shafquat Kamal, Assistant Professor	M.A., M.Phil, & Ph.D.
Dr. Sabera Khatoon, Assistant Professor	M.A., Ph.D.
Dr. Mahjabeen, Assistant Professor	M.A., Ph.D.
Sarwar Mansoor, WB Govt. approved Part-Time Teacher(PTT)	M.A.
Nadim Akhtar, WB Govt. approved Part-Time Teacher(PTT)	M.A.
Nikhat Parween, WB Govt. approved Part-Time Teacher(PTT)	M.A.
Mobin Ansari, WB Govt. approved Part-Time Teacher(PTT)	M.A.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications :

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publication Listed in International data base (Web of Science, Scopus, Humanities International Complete, Dare Database -International Social Sciences Directory, EBSCO host, etc.)	Monograph	Books			Citation Index	SNIP	SJR	Impact factor	h-index
			National	International	National	International			Chapter in Books	Book Edited/ Authored	Book with ISBN No					
1	DR.SHAFQUAT KAMAL	**05**	**05**													
2	DR. SABERA KHATOON	06	05							01						
3	DR. MAHJABEEN	02	01							01						
4	NIKHAT PERWEEN	13	11	01					01							

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 programme: 100% of P.G. students do in-house projects. Apart from this, all U.G. 3rd year students have to do in-house projects on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : Nil

23. Awards/ Recognitions received by faculty and students : Nil

24. List of eminent academicians and scientists/ visitors to the department:

Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National : Nil

b) International : Nil

26. Student profile programme/course wise:

Year of Admission	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015	Online admission conducted by College	17	2018	Yet to appear	Yet to appear	
2014	Central counselling system	13	2017	Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	10	2016	Yet to appear	Yet to appear	
2012	Central counselling system	19	2015	1	19	20.00%
2011	Central counselling system	18	2014	2	16	55.56%
2010	Central counselling system	17	2013	4	14	75.00%
2009	Central counselling system	23	2012	3	17	50.00%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
MA	60	35 (migration submitted)	Nil
UG (Honours)	100	Nil	Nil
UG (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students have qualified indifferent competitive examinations, such as SSC, NET, SET, & School Service Commission Examinations as per our knowledge
For example (as per our knowledge)
Dr. Nadim Ahmed, Assistant Professor of Urdu in University of Calcutta an alumnus of this department
Nikhat Perween cleared **NET** in **DEC 2008,** Farooque Azam Cleared **SET** in **June 2006**
Md. Halim cleared SET in 2014.

29. Student progression

Student progression	Against % enrolled
UG to PG	60% on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Applicable
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: **1984** Books are available

Post Graduate Library: **1922** Books are available

b) Internet facilities for Staff & Students: Available for Staff

c) Class rooms with ICT facility: Nil

d) Laboratories: NA

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	**02**		
2013-2014	**03**		
2012-2013	**10**		
2011-2012	**04**		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning:

Mainly we use the lecture method i.e. chalk and black board for teaching and discussion the topics. Class notes and direction for writing projects are provided to the students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students participate in NCC, NSS & Sports.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength:

Post Graduate Library has enriched with good number of books for students.

Department has different specialized professor which cover most of the topics.

Most of our ex-students are well established.

Teacher student relationship is very good.

W ⇒ Weakness:

Our department is suffering from non availability of non-teaching staff and lack of class rooms

Classrooms should be more equipped with ICT.

Central Library requires more books.

O ⇒ Opportunity:

The department is quipped enough to hold minor and major research projects. In coming session the teaching staffs are planning to run such projects.

Like many other degrees, Urdu literature has career-specific skills, so it can feel like there are too many options out there. Like teacher , Copywriter, PR, journalist, marketing, advertising, animator, designer, public speaker, , curator, TV producer etc. As well as students Indulge in a passion of reading, Creative writing, developing strong written and verbal communication skills and the flexibility offered.

C ⇒ Challenges:

We want to make the department an excellence of learning. We tried our best to modernise the libraries and classrooms. We have a plan to set up a Digital Library.

BOTANY

1. Name of the department : BOTANY

2. Year of Establishment : Intermediate (Biology)- 1957

: General- 1961

: Honours - 1981

3. Names of Programmes / Courses offered: B.Sc. (Honours + General)

4. Names of Interdisciplinary courses and the departments/units involved:

Environmental Studies as a compulsory subject for B.Sc. Honours and General (Part – III) courses.

5. Annual/ semester/choice based credit system (programme wise):

Annual Sent up Test Examination for B.Sc.(Honours and General) as well as class test conducted time to time for Honours.

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. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4years
Dr. Swapan Roy	M.Sc,, Ph.D.	Associate Professor	Mycology & Plant Pathology	25	Nil
Dr. Basabi Barua	M.Sc., B.Ed., Ph.D.	Associate Professor	Plant Physiology & Biochemistry	18	1
Dr. Rajarshi Bikash Kundu	M.Sc., Ph.D.	Associate Professor	Microbiology	14	Nil
Dr. Subrata Chakrabor ty	M.Sc., B.Ed., Ph.D.	Assistant Professor	Cytogenetics	11	Nil
Dr. Amitava Nayek	M.Sc., B.Ed., Ph.D.	Assistant Professor	Taxonomy and Ecology	11	Nil
Parboti Putra Mukherjee	M.Sc., M.Ed.	Government approved part-time teacher	Paleobotany	6 years	Nil

10. Number of Teaching Posts:

Post	Sanctioned	Filled
Professors	-	-
(Associate Professors	05	03
Asst. Professors		02

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty: Nil

13. Student -Teacher Ratio (programme wise): U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.Sc (Honours)	2014-2015	80	06	13:1
	2013-2014	54	06	9:1
	2012-2013	130	06	22:1
	2011-2012	70	06	12:1
B.Sc (General)	2014-2015	173	06	29:1
	2013-2014	175	06	29:1
	2012-2013	173	06	29:1
	2011-2012	173	06	29:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sanctioned: 04

Filled: 03

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG:

With Ph.D.: 05

With M. Phil.: 01

With M.Sc.: 00

Name and Designation	Qualification
Dr.Swapan Roy, Associate Professor	M.Sc., Ph.D.
Dr. Basabi Barua, Associate Professor	M.Sc., B.Ed., Ph.D.
Dr. Rajarshi Bikas Kundu,Associate Professor	M.Sc.,Ph.D.
Dr. Subrata Chakraborty , Assistant Professor	M.Sc., B.Ed.,Ph.D.
Dr. Amitava Nayek, Assistant Professor	M.Sc.,B.Ed., Ph.D.
Parboti Putra Mukherjee, Government approved part-time teacher	M.Sc., M.Ed.

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:

19. Publications:

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publications listed in International Data base (web of sciences, Scopus, Humanities International Complete, Dare Data Base, International Social Sciences Directory, EBSCO	Monogrphs	Books				SNIP	SJR		h-Index
			National	International		International			Chapter in Books	Books with ISBN No.	Book Edited/ Authored	Citation Index				
1	Dr.Swapan Roy	14	08	06												
2	Dr. Basabi Barua	13	08	05												
3	Dr. Rajarshi Bikas kundu	05	04	01												
4	Dr. Subrata Chakraborty	05	04	01												
5	Dr. Amitava Nayek	04	03	01												

20. Areas of consultancy and income generated: Nil

21. Faculty as members in Editorial Boards: Nil

22. Student projects: Field Work and Excursion in General and Honours Course

a) Percentage of students who have done in-house projects including inter departmental programme: All 3rd year students have to carry out in-house projects on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards/ Recognitions received by faculty and students:

Faculty	Award
Dr. Basabi Barua	Recipient of Gold Medal for first position in M.Sc.Examination (1980), of the Burdwan University.
Dr. Subrata Chakraborty	I. Recipient of Silver Medal for second position in M.Sc.Examination (1991), of the North Bengal University. II. Recipient of the **Young Scientist Award (2000)** conferred by the Indian Science Congress Association **(ISCA)** in 87th session held at the Pune University

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:

Year of Admission (B.Sc. Honours)	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015	Online admission conducted by the College	10		Yet to appear	Yet to appear	
2014	Central counseling system	14		Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	15		Yet to appear	Yet to appear	
2012	Central counselling system	22	2015	12	11	44.44
2011	Central counselling system	25	2014	10	03	53.33
2010	Central counselling system	28	2013	06	04	84.61
2009	Central counselling system	29	2012	04	03	42.85

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
Botany (Honours)	100%	Nil	Nil
Botany (General)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defenses services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, & School Service Commission Examinations, College Service Commission, Banking P.O officers examinations etc.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	90% on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: 989 Books are available

Seminar Library: 154 Books are available

b) Internet facilities for Staff & Students **:** Available in the Department

c) Class rooms with ICT facility **:** Nil

d) Laboratories **:** Available

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	**College**	**University**	**Government or Other agencies**
2014-2015	**5**	**-**	
2013-2014	**3**	**-**	
2012-2013	**4**	**-**	
2011-2012	**7**	**-**	

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning: Normal Lecture, Overhead Projector, Power Point Presentation through LCD Projector, Field Work, Study material provided for each specific topic and module tests are taken after completion of each topic, Laboratory Instruments.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Participation of the students in NCC, NSS, Games and Sports and other group activities.

35. SWOC analysis of the department and Future plans

(S → Strength, W → Weakness, O → Opportunity, C → Challenges)

S → Strength: The Department of Botany possesses quite experienced and versatile members of the faculty and non – teaching staffs. Quality of students in the honours course is good and this is well reflected in their aspirations and motivations. Students who obtain high first class marks in final University examination every year are awarded during the valedictory session of the annual function. Departmental infrastructure is satisfactory, having an area approximately 2,400 sq.ft., moderately equipped and well ventilated laboratory, one computer and printer, a good collection of text and reference books in seminar library and a culture room. The willingness of our faculty members to take challenging assignments is noteworthy. Students inquisitiveness to actively participate in different interactive programmes like seminars, group discussion etc. is also admirable. Moreover students' response in regular field study and continuous evaluation system like class test and module tests is satisfactory.

W → Weakness: Still the department is running in dearth of modern infrastructural facility like installation of airconditioner, especially in the culture room. Laboratory instruments and number of computers should be increased for an up-to-date teaching – learning programme. The department imminently needs a smart class room and seminar hall of its own. A properly climatised culture room with laminar air flow is also another ardent need of the department.

O→ Opportunity: The department at its own state- of- art facility can hold both minor and major research projects. In forthcoming sessions the faculty members are planning to run such projects. The department is also willing to run post – graduate programme, if considered by the college

C → Challenges: The present day condition of the department is not very conducive to the future planning. More infrastructural development is required to overcome obstacles on the way of meeting challenges. The department imminently need some classrooms, modern ICT enabled teaching aids, Wi – Fi connectivity etc. which have not yet been achieved due to dearth of adequate funding.

CHEMISTRY

1. Name of the department : CHEMISTRY

2. Year of Establishment : Intermediate – 1957
: B. Sc (General) – 1960
: B. Sc (Honours) – 1973

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated PhD etc.) : B.Sc. (Honours)
: B.Sc. (General)

4. Names of Interdisciplinary courses and the departments/units involved:
Environmental Science

5. Annual/ semester/choice based credit system (Programme wise):

B.Sc (Honours & General) : Annual Sent-up Test Examinations for B.Sc.(Honours & General) as well as class test conducted from time to time for Hons.

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:

Intermediate (Higher Secondary) course discontinued in 2002 as per the decision of the Government of West Bengal.

9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	10	01
Asst. Professors		08

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 PhD students guided for the last 4 years
Dr. Parimal Kumar Das	M.Sc, Ph.D.	Associate Professor	Physical Chemistry	16 years	Nil
Dr. Ritam Mukherjee	M.Sc., Ph.D.	Assistant Professor	Inorganic Chemistry	7 years	One (ongoing)
Mr. Sisir Lohar	M.Sc.	Assistant Professor	Nuclear and Analytical Chemistry	1 year	Nil
Dr. Avik Kumar Bagdi	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	1 year	Nil
Mr. Sahidul Islam	M.Sc.	Assistant Professor	Physical Chemistry	1 year	Nil
Dr. Rumpa Saha	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	3 years	Nil
Dr. Sudipta Saha	M.Sc., Ph.D.,	Assistant Professor	Organic Chemistry	1 year	Nil
Dr. Debjani Sur	M.Sc., Ph.D.	Assistant Professor	Physical Chemistry	13 years	Nil
Mr. Sasadhar Majhi	M.Sc., M. Phil.	Assistant Professor	Organic Chemistry	1 year	Nil

11. List of senior visiting faculty **:** Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.Sc (Honours)	2014-2015	67%	75%
	2013-2014	67%	75%
	2012-2013	50%	50%
	2011-2012	50%	50%
Courses	**Session**	**% of lectures delivered**	**% of practical Classes/ Projects**
B.Sc (General)	***2014-2015***	67%	75%
	2013-2014	67%	75%
	2012-2013	50%	50%
	2011-2012	50%	50%

13. Student -Teacher Ratio (programme wise):- U.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.Sc (Honours)	***2014-2015***	61	5	12:1
	2013-2014	55	6	9:1
	2012-2013	59	6	10:1
	2011-2012	65	7	9:1

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.Sc (General)	*2014-2015*	290	5	58:1
	2013-2014	298	6	50:1
	2012-2013	305	6	51:1
	2011-2012	284	7	41:1

14. Number of academic support staff (technical) and administrative staff Sanctioned and filled:

Sanctioned - 07

Filled - **03**

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

With PhD – 06

With M. Phil – 01

With PG – 02

Name & Designation	Qualification
Dr. Parimal Kumar Das, Associate Professor	M.Sc, Ph.D.
Dr. Ritam Mukherjee, Assistant Professor	M.Sc, Ph.D.
Mr. Sisir Lohar, Assistant Professor	M.Sc.
Dr. Avik Kumar Bagdi,	M.Sc, Ph.D.

Name & Designation	Qualification
Assistant Professor	
Mr. Sahidul Islam, Assistant Professor	M.Sc.
Dr. Rumpa Saha, Assistant Professor	M.Sc, Ph.D.
Dr. Sudipta Saha, Assistant Professor	M.Sc, Ph.D.
Dr. Debjani Sur, Assistant Professor	M.Sc, Ph.D.
Mr. Sasadhar Majhi, Assistant Professor	M.Sc., M. Phil.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University : Nil

19. Publications :

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publication Listed in International data base (Web of Science, Scopus, Humanities International Complete, Dare Database -International Social Sciences Directory, EBSCO host, etc.)	Monograph	Books							
			National	International	National	International			Chapter in Books	Book Edited/ Authored	Book with ISBN No	Citation Index	SNIP	SJR	Impact factor	h-index
1	Dr. Parimal Kumar Das	14	2	12												
2	Dr. Ritam Mukherjee	10	0	10												
3	Mr. Sisir Lohar	42	0	42												
4	Dr. Avik Kumar Bagdi	21	1	20												
5	Mr. Sahidul Islam	0														
6	Dr. Rumpa Saha	42	0	42												
7	Dr. Sudipta Saha	07	0	07												
8	Dr. Debjani Sur	04	02	02												
9	Mr. Sasadhar Majhi	06	01	05												

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 programme:

All 3rd year students have to do in-house projects on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : Nil

23. Awards/ Recognitions received by faculty and students : Nil

24. List of eminent academicians and scientists/ visitors to the department:

Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National : Nil

b) International : Nil

26. Student profile programme/course wise:

Year of Admission (B.Sc. Honours)	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015	Online admission conducted by the College	25	2018	Yet to appear	Yet to appear	
2014	Central counseling system	26	2017	Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	23	2016	Yet to appear	Yet to appear	
2012	Central counseling system	27	2015	14	06	43.47

Year of Admission (B.Sc. Honours)	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2011	Central counseling system	33	2014	17	06	32.00
2010	Central counseling system	33	2013	10	00	21.42
2009	Central counseling system	32	2012	08	01	60.00

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
B.Sc. (Honours)	100	Nil	Nil
B.Sc. (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, & School Service Commission Examinations, Banking P.O officers examinations.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	70% on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Applicable
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: 2779 Books are available

Seminar Library: 200 Books are available

b) Internet facilities for Staff & Students **:** Available.

c) Class rooms with ICT facility **:** Nil

d) Laboratories **:** 05 (02 for UG General, 02 for UG Honours Level Practical Classes and 01 for Research Laboratories).

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	**College**	**University**	**Government or Other agencies**
2014-2015	**7**		
2013-2014	**5**		
2012-2013	**3**		
2011-2012	**9**		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning: Mainly we use the lecture method i.e. chalk and black board for teaching and discussion the topics. Class notes and direction for practical classes are provided to the students as and when required. Some special classes are taken by using the LCD projector.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students participated in NCC, NSS (for social awareness and responsibility among the students), Games and Sports etc.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength:

Spacious and well-equipped Laboratory and good stocks of different chemicals and apparatus for conducting practical classes.

Most of our ex-students are well established.

Teacher student relationship is very good.

W ⇒ Weakness:

Classrooms should be more equipped for better teaching.

O ⇒ Opportunity:

Chemists have a good opportunity in different industries such as pharmaceutical, drug industry, chemical industry etc. Besides these industrial jobs one can go to the higher studies and pursue a career in research and academics.

C ⇒ Challenges:

We wish to make the department excel in teaching-learning. We tried our best to modernize the laboratories and classrooms. We have a plan to set up a research laboratory and start post graduate course in Chemistry, despite financial and other barriers.

COMPUTER SCIENCE

1. Name of the department : COMPUTER SCIENCE

2. Year of Establishment : General: 1996

: Honours: 2008

3. Names of Programmes / Courses offered: B.Sc (Honours)

: B.Sc. (General)

4. Names of Interdisciplinary courses and the departments/units involved:

NA

5. Annual/ semester/choice based credit system (programme wise):

i. Class test and sent-up test examinations for B.Sc Honours

ii. Sent-up test examinations for B.Sc. General

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

Post	Sanctioned	Filled
Professors	00	00
Associate Professors	00	00
Asst. Professors	00	00

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4years
Jhulan Chatterjee	M.C.A	Government approved contractual teacher	Computer Application	7 years	Nil
Subhashis Kumar Chandra	M.Sc	Management approved part-time teacher	Computer Science	5 years	Nil
Supriyo Roy	MCA	Management approved part-time teacher	Computer Application	4 years	Nil
Raj Kumar Layek	BCA	Management approved Graduate Laboratory Instructor		6 Years	Nil

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.Sc (Honours)	2014 - 2015	33.33	30.00
	2013 - 2014	33.33	30.00
	2012 - 2013	33.33	30.00
	2011 - 2012	33.33	30.00

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.Sc (General)	2014 – 2015	16.67	00.00
	2013 - 2014	16.67	00.00
	2012 - 2013	16.67	00.00
	2011 - 2012	16.67	00.00

13. Student -Teacher Ratio (programme wise): U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.Sc (Honours)	2014-2015	22	3	7:1
	2013-2014	25	3	8:1
	2012-2013	20	3	7:1
	2011-2012	26	3	9:1
B.Sc (General)	2014-2015	53	1	53:1
	2013-2014	45	1	45:1
	2012-2013	32	1	32:1
	2011-2012	34	1	34:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sanctioned: Nil

Filled: Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG:

With Ph.D.: Nil

With M. Phil: Nil

MCA/M Sc: 03

Name and Designation	Qualification
Jhulan Chatterjee, Government approved contractual teacher	M.C.A.
Subhashis Kumar Chandra, Management approved part-time teacher	M.Sc.
Supriyo Roy, Management approved part-time teacher	M.C.A.
Raj Kumar Layek, Management approved Graduate Laboratory Instructor	B.C.A.

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 Editorial Boards: Nil

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental programme: All 3rd year students have to do in-house projects on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards/ Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/ visitors to the department: Nil

25. Seminars/ Conferences/Workshops organized & the source of funding: Nil

26. Student profile programme/course wise:

Year of Admission	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015	Online admission conducted by College	07	2018	Yet to appear	Yet to appear	
2014	Central counselling system	07	2017	Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	10	2016	Yet to appear	Yet to appear	
2012	Central counselling system	05	2015	02	01	66.67%
2011	Central counselling system	11	2014	03	00	100.0%
2010	Central counselling system	11	2013	04	00	50.00%
2009	Central counselling system	17	2012	02	01	66.67%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
Computer Science Honours	100%	Nil	Nil
Computer Science General	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, & School Service Commission Examinations, College Service Commission, Banking P.O officers examinations etc.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	95% on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: 909 Books are available

b) Internet facilities for Staff & Students : Available

c) Class rooms with ICT facility : Nil

d) Laboratories : Available

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	NA		
2013-2014	NA		
2012-2013	NA		
2011-2012	NA		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with

external experts: Nil

33. Teaching methods adopted to improve student learning: Normal Lecture, Overhead Projector, Power Point Presentation through LCD Projector, Study material provided for each specific topic and module tests are taken after completion of each topic, Laboratory Instruments.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Participation of the students in NCC, NSS, Games and Sports and other group activities.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength: The Department of Computer Science possesses quite efficient and experienced teaching and laboratory staff. Quality of students, especially in the Honours course is remarkable, that helps the department to provide good quality result in the university examinations every year. Departmental

infrastructure is satisfactory, having an area approximately 1500 sq. Ft., well equipped Computer laboratory, computer Hardware lab.

W ⇒ Weakness: Still the department is facing much problem due to falling short of some new age infrastructural issues like air conditioner facility, especially in the computer lab. With the modernization of curriculum, numbers of computers and laboratory instruments should be increased for a quality teaching learning programme. The department has no smart class and seminar hall of its own. Last but the not least, it does not possess any toilet facility in the departmental area, neither for students nor for the staffs.

O ⇒ Opportunity: The IT sector is opened to students of computer science. Developing the department further and increasing the scope of placement would benefit students.

C ⇒ Challenges: There is a gap between the future planning and present day conditions of the department and shortage in faculty members. The main problem is to meet the challenge of infrastructural development. The department needs more class rooms, modern facilities of teaching, wi-fi connectivity in the department etc. which have not been achieved due to the lack of sufficient fund.

ELECTRONICS

1. Name of the department : ELECTRONICS

2. Year of Establishment **:** B.Sc. (General) – 1985

: B.Sc (Honours) – 1999

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated PhD etc.) **:** B.Sc (Honours)

: B.Sc. (General)

4. Names of Interdisciplinary courses and the departments/units involved

: NA

5. Annual/ semester/choice based credit system (Programme wise):

B.Sc. (Honours & General) : Annual

Sent-up Test Examinations for B.Sc(Honours & General) (1st year, 2nd year & 3rd year students separately) as well as class test conducted time to time for Hons.

6. Participation of the department in the courses offered by other departments:

B.Sc in Physics (Hons)

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:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	02	01
Assistant Professors		--

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 PhD students guided for the last 4 years
NIRMAL KUMAR SARKAR	M.Sc in Physics	Associate Professor of Electronics	Radio Physics & Electronics	27 years	Nil
NIRUPAM ROY	M.Sc in Electronics	Management approved Part-time teacher	--	06 years	Nil
SUBHASHIS KUMAR CHANDRA	M.Sc in computer science	Management approved Part-time teacher	--	04 Years	Nil

11. List of senior visiting faculty **:** Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.Sc (Honours & General course)	2014-2015	45%	33.3%
	2013-2014	40%	20%
	2012-2013	33.3%	11.1%
	2011-2012	35%	14%
Courses	**Session**	**% of lectures delivered**	**% of practical Classes/ Projects**
B.Sc (General)	***2014-2015***	53%	33%
	2013-2014	75%	20%
	2012-2013	51%	11%
	2011-2012	50%	14%

13. Student -Teacher Ratio (programme wise):- U.G,

Name of Programmes	Session	No. of Students enrolled	No. of Teachers	Student Teacher Ratio
B.Sc (Honours & General)	***2014-2015***	17	03	6:1
	2013-2014	08	03	3:1
	2012-2013	04	03	1:1
	2011-2012	05	03	2:1

14. Number of academic support staff (technical) and administrative staff Sanctioned and filled:

Sanctioned - Nil

Filled - Nil

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

With PhD – Nil

With M. Phil – Nil

M.Sc. – 03

Name	Designation	Qualification
NIRMAL KUMAR SARKAR	Associate Professor of Electronics	M.Sc in Physics
NIRUPAM ROY	Management approved Part-time teacher	M.Sc in Electronics
SUBHASHIS KUMAR CHANDRA	Management approved Part-time teacher	M.Sc in computer science

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University : Nil

19. Publications :

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publication Listed in International data base (Web of Science, Scopus, Humanities	Monograph	Books			Citation Index	SNIP	SJR	Impact factor	h-index
			National	International	National	International			Chapter in Books	Book Edited/ Authored	Book with ISBN No					
1	Nirmal Kumar Sarkar	02	01	01				--	--	--	--	--	--	--	--	--

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 programme: All 3rd year students have to do in-house project on Environmental science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : Nil

23. Awards/ Recognitions received by faculty and students : Nil

Year of Admission (B.Sc. Honours)	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015	Online admission conducted by the College	06	2018	Yet to appear	Yet to appear	
2014	Central counseling System	10	2017	Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	03	2016	Yet to appear	Yet to appear	
2012	Central counseling System	00	2015	00	00	N.A.
2011	Central counseling system	00	2014	01	00	100.00
2010	Central counseling system	10	2013	00	00	N.A.
2009	Central counseling system	03	2012	01	00	100.00

24. List of eminent academicians and scientists/ visitors to the department:

Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National : Nil

b)International : Nil

26. Student profile programme/course wise:

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
B.Sc. (Honours)	100	Nil	Nil
B.Sc. (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, & School Service Commission Examinations, Banking P.O officers examinations.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	100 % on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: 179 Books are available

Seminar Library: 67 Books are available

b) Internet facilities for Staff & Students: Yes

c) Class rooms with ICT facility : Nil

d) Laboratories : 01 General lab, 01 Computer lab, 01 Dark room

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	**3**		
2013-2014	**0**		
2012-2013	**0**		
2011-2012	**0**		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning:

By using chart, Internet, projector & students always use different instruments

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength: Equipped lab, Departmental seminar library, Teacher / student ratio , Relation between teacher & student.

W ⇒ Weakness:

Both student & teacher strength are very poor.

Specially poor permanent faculty.

Same lab. for Hons & general course students.

No technical staff in the department.

.O ⇒ Opportunity:

By studying this course, in future students will not be depended on job only , self- employment is also possible**.**

C ⇒ Challenges:

It is very difficult to motivate students to take Electronics subject instead of conventional science subjects of this cold-field area.

GEOLOGY

1. Name of the department : Department of Geology

2. Year of Establishment **:** B.Sc. (General) – 1983

: B.Sc. (Honours) – 1983

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters;

Integrated PhD etc.) **:** B.Sc. (Honours)

: B.Sc. (General)

4. Names of Interdisciplinary courses and the departments/units involved: Environmental Science

5. Annual/ semester/choice based credit system (Programme wise):

B.Sc. (Honours & General) : Annual Sent-up Test Examinations for B.Sc. (Honours & General) as well as class test conducted from time to time for Honours.

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:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	04	02
Asst. Professors		01

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
Prof. Jagannath Chakraborty	M.Sc.	Associate Professor	Economic Geology	33years	NA
Prof. Milan Mukherjee	M.Sc.	Associate Professor	Structural Geology	29years	NA
Prof. Sumanta Mallick	M.Sc.	Assistant Professor	Palaeontology	One and half years	NA

11. List of senior visiting faculty **:** Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty: NA

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.Sc (Honours)	2014-2015	NA	NA
	2013-2014	NA	NA
	2012-2013	NA	NA
	2011-2012	NA	NA
Courses	**Session**	**% of lectures delivered**	**% of practical Classes/ Projects**
B.Sc (General)	***2014-2015***	NA	NA
	2013-2014	NA	NA
	2012-2013	NA	NA
	2011-2012	NA	NA

13. Student -Teacher Ratio (programme wise):- U.G.

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.Sc (Honours)	***2014-2015***	76	4	19:1
	2013-2014	63	3	21:1
	2012-2013	58	3	19:1
	2011-2012	58	3	19:1
B.Sc. (General)	***2014-2015***	Nil	4	…
	2013-2014	Nil	3	…
	2012-2013	2	3	2:3
	2011-2012	1	3	1:3

14. Number of academic support staff (technical) and administrative staff Sanctioned and filled:

Sanctioned - Nil

Filled - Nil

15. Qualifications of teaching faculty with DSC/ D.Litt. / Ph.D./ Phil/PG.:

With Ph.D. – Nil

With M. Phil. – Nil

M.Sc. – 03

Name & Designation	Qualification
Prof. Jagannath Chakraborty (Associate Professor)	M.Sc.
Prof. Milan Mukherjee (Associate Professor)	M.Sc.
Prof. Sumanta Mallick (Assistant Professor)	M.Sc.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications :

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publication Listed in International data base (Web of Science, Scopus, Humanities International Complete, Dare Database -International Social Sciences Directory, EBSCO host, etc.)	Monograph	Books				SNIP	SJR	Impact factor	h-index
			National	International	National	International			Chapter in Books	Book Edited/Authored	Book with ISBN No	Citation Index				
1	Prof. Jagannath Chakraborty															
2	Prof. Milan Mukherjee															
3	Prof. Sumanta Mallick	10	1	9												

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 / programme: All 3rd year students have to do in-house projects on Environmental Science as part of their curriculum.

b**) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies :** Nil

23. Awards/ Recognitions received by faculty and students :

i) Sanchita Banerjee - University topper in Geology Honours (Gold Medalist); 2015.

ii) Subhadip Sinha - University topper in Geology Honours (Gold Medalist); 2013.

24. List of eminent academicians and scientists/ visitors to the department:

i) Dr. Subhronil Mondal (Ph.D. from University of South Florida; now Assistant Professor of Geology in Calcutta University) presented a seminar lecture on 17th March, 2015 in the topic "Phanerozoic taxonomic and ecological diversification history: a case study from Bivalvia".

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National : Nil

b) International : Nil

26. Student profile programme/course wise:

Year of Admission (B.Sc. Honours)	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass Percentage
				Male	Female	
2015	Online admission conducted by the College	18		Yet to appear	Yet to appear	
2014	Central counseling system	30		Yet to appear	Yet to appear	

Year of Admission (B.Sc. Honours)	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass Percentage
				Male	Female	
2013	Online admission conducted by Burdwan University	24		Yet to appear	Yet to appear	
2012	Central counseling system	22	2015	11	07	55.55
2011	Central counseling system	17	2014	09	06	30.76
2010	Central counseling system	19	2013	06	01	71.42
2009	Central counseling system	20	2012	14	05	89.47

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
B.Sc. (Honours)	100	Nil	Nil
B.Sc. (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations. As for example

J.A.M. = 2 – 3 students per year

I.S.M. = 2 – 3 students per year

Other National University = 5 – 6 students per year

29. Student progression

Student progression	Against **%** enrolled
UG to PG	99 % on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: **343** Books are available

Seminar Library: **210** Books are available.

b) Internet facilities for Staff & Students : Available

c) Class rooms with ICT facility : Nil

d) Laboratories : 01

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	**5**		
2013-2014	**2**		
2012-2013	**7**		
2011-2012	**5**		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

a) Student seminar is organized by department
b) Special seminar lecture by external speaker arranged
c) Students of 2nd and 3rd year attended a programme in ISM Dhanbad.

33. Teaching methods adopted to improve student learning:

a) Power point presentation and videos shown.
b) Field based subject, regular field works (Geological excursion) in important geological sites to extend their practical knowledge time to time.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Participating in N.S.S and sports & games.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength: Strength of the department is 30 to 35 seats for UG Honours students in each year and 50seats for UG general courses. Constant interaction of the teachers with students (both in class and outside the class).

Huge number of alumni's well settled is different sector e.g. different academic institutions, GSI, ONGC, Coal India etc. They frequently visit the department and interact with the students about the current opportunity.

W ⇒ Weakness: The subject Geology is very important branch of Science on which national industries are standing. In this point of view the department has some deficiencies.

1) Space is the main weakness of this department
2) Fund for Geological Fieldwork is very insufficient.
3) Number of faculty members which has to be increased**.**

O ⇒ Opportunity: As the college is located in the coalfield area so coal based both geological and environmental work can be initiated both from the academic point of view and economic point of view.

Students can also visit the local coal mining areas and gain knowledge the practical problems in the field and their solutions.

C ⇒ Challenges: To improve the quality of the students (by improving ourselves) so that they can be appropriately placed in the future.

MATHEMATICS

1. Name of the department : **MATHEMATICS**

2. Year of Establishment : Intermediate – 1957

: B.Sc (General) – 1960

: B.Sc (Honours) – 1967

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated PhD etc.) **:** B.Sc (Honours)

: B.Sc (General)

4. Names of Interdisciplinary courses and the departments/units involved: N.A.

5. Annual/ semester/choice based credit system (Programme wise):

B.Sc (Honours & General) : Annual Sent-up Test Examinations for B.Sc(Honours & General) as well as class test conducted from time to time for Hons.

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: N.A.

9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Asst. Professors	06	04(One on lien)

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 PhD students guided for the last 4 years
Shibdas Dholey (On lien)	M.Sc, Ph.D.	Assistant Professor	Applied Mathematics	13 years	Nil
Prakash Kr. Das	M.Sc, B.Ed.	Assistant Professor	Applied Mathematics	1 year	Nil
Partha Mandal	M.Sc	Assistant Professor	Applied Mathematics	1 year	Nil
Prabir Sen	M.Sc	Assistant Professor	Applied Mathematics	1 year	Nil
Kausik Roy	M.Sc	Management Approved Contractual Teacher	Pure Mathematics	5 year	Nil
Dithi Ghosh	M.Sc	Management Approved Part-time Teacher	Applied Mathematics	6 month	Nil

11. List of senior visiting faculty **:** Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.Sc (Honours)	2014 - 2015	60%	-
	2013 - 2014	60%	-
	2012 - 2013	60%	-
	2011 - 2012	60%	-

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.Sc (General)	2014 – 2015	70%	-
	2013 - 2014	70%	-
	2012 - 2013	70%	-
	2011 - 2012	70%	-

13. Student -Teacher Ratio (programme wise):- U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.Sc (Honours)	2014-2015	120	04	30:1
	2013-2014	124	04	31:1
	2012-2013	148	04	37:1
	2011-2012	153	04	38:1
B.Sc (General)	2014-2015	509	04	127:1
	2013-2014	535	04	134:1
	2012-2013	573	04	143:1
	2011-2012	518	04	130:1

14. Number of academic support staff (technical) and administrative staff Sanctioned and filled:

Sanctioned - 01

Filled - 01

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

With PhD – 01

With M. Phil – Nil

M.Sc – 05

Name & Designation	Qualification
Dr. Shibdas Dholey, Assistant Professor(On lien)	M.Sc, Ph.D.
Prakash Kumar Das, Assistant Professor	M.Sc, B.Ed.
Partha Mandal, Assistant Professor	M.Sc.
Prabir Sen, Assistant Professor	M.Sc.
Kausik Roy, Management Approved Contractual Teacher	M.Sc.
Dithi Ghosh, Management Approved Part-time Teacher	M.Sc.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: One (2011-2013) of Rs. 1,23,000/- granted by UGC

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University : Nil

19. Publications :

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publication Listed in International data base (Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	Monograph	Books							
			National	International	National	International			Chapter in Books	Book Edited/ Authored	Book with ISBN No	Citation Index	SNIP	SJR	Impact factor	h-index
1	Dr. Shibdas Dholey	10	00	10												
2	Prakash Kr. Das	01	00	01												
3	Partha Mandal	01	00	01												

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 programme: 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 :

Nil

24. List of eminent academicians and scientists/ visitors to the department:

Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National : Nil

b)International : Nil

26. Student profile programme/course wise:

Year of Admission (B.Sc. Honours)	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015	Online admission conducted by the College	51	2018	Yet to appear	Yet to appear	
2014	Central counseling system	49	2017	Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	28	2016	Yet to appear	Yet to appear	
2012	Central counseling system	43	2015	08	01	85.71%
2011	Central counseling system	53	2014	13	05	62.96%
2010	Central counseling system	52	2013	15	04	52.17%
2009	Central counseling system	48	2012	15	02	63.15 %

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
B.Sc. (Honours)	100	Nil	Nil
B.Sc. (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, NET, SET, & School Service Commission Examinations, Banking P.O officers examinations.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	70% on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: 3325 Books are available

b) Internet facilities for Staff & Students : Nil

c) Class rooms with ICT facility : Nil

d) Laboratories: 01 (Numerical Laboratory for third year Honors Students)

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	**22**		**11**
2013-2014	**13**		
2012-2013	**13**		
2011-2012	**12**		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts : Nil

33. Teaching methods adopted to improve student learning:

Mainly we use the lecture method i.e. chalk and black board for teaching and discussion of topics. Class notes and direction for practical classes are provided to the students as and when required.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students participate in NCC, NSS (for social awareness and responsibility among the students), Games and Sports etc.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength:

- Spacious and equipped Laboratory for conducting numerical practical classes.
- Good placements for student.
- Teacher-student relationship is very good.

W ⇒ Weakness:

- Lack of full time teachers.
- Classrooms should be more equipped for better teaching.
- Lack of sufficient class rooms.
- No PG programme.
- Inadequate research.

O ⇒ Opportunity:

- Mathematics Honours student have good opportunities for any kind of job in different areas (competitive level).
- Besides these jobs one can go to the higher studies (M.Sc., M.C.A., M. Tech, etc) and can do a very good research work for his/her better and bright career.

C ⇒ Challenges:

- We want to make the department a centre excellence.
- We will try our best to modernize the laboratories and classrooms.
- We have a plan to set up a departmental library.
- Increasing Student-teacher ratio.

PHYSICS

1. Name of the department : **PHYSICS**

2. Year of Establishment : Intermediate – 1957

: B.Sc. (General) – 1961

: B.Sc (Honours) – 1980

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated PhD etc.) : B.Sc (Honours)

: B.Sc (General)

4. Names of Interdisciplinary courses and the departments/units involved: Environmental Science

5. Annual/ semester/choice based credit system (Programme wise):

B.Sc (Honours & General): Annual Test Examinations for B.Sc. (Honours & General) and conducted time to time class test Examination for Hons. Students.

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:

Intermediate (Higher Secondary) course discontinued in 2002 as per the decision of the Government of West Bengal.

9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	09	01
Asst. Professors		04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Lit./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
Satyajit Chakrabarti	M.Sc.	Asst. Professor	Solid State Physics	24	Nil
Dr.Sandip Sen	M.Sc., Post-M.Sc., Ph.D.	Associate Professor	Atomic & Molecular Physics	15	Nil
Dr. Babita Sahoo	M.Sc, M.Phil, Ph.D.	Assistant Professor	Nuclear Physics	9	1
Mrinal Kanti Mondal	M.Sc.	Assistant Professor	N.A	1	Nil
Dr. Batu Ghosh	M.Sc, Ph.D.	Assistant Professor	Solid State Physics	1	Nil

11. List of senior visiting faculty: 1) Dr. Ashoke Banerjee, 2) Prof. Nirmal Sarkar

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.Sc. (Honours)	2014-2015	25.6	26.7
	2013-2014	25.6	26.7
	2012-2013	36.0	40.0
	2011-2012	36.0	40.0
Courses	**Session**	**% of lectures delivered**	**% of practical Classes/ Projects**
B.Sc. (General)	***2014-2015***	20	33
	2013-2014	20	33
	2012-2013	30	40
	2011-2012	30	40

13. Student -Teacher Ratio (programme wise):- U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.Sc. (Honours)	***2014-2015***	78	4	20:1
	2013-2014	82	4	21:1
	2012-2013	80	5	16:1
	2011-2012	84	5	17:1
B.Sc. (General)	***2014-2015***	280	5	56:1
	2013-2014	294	5	59:1
	2012-2013	284	6	47:1
	2011-2012	282	6	47:1

14. Number of academic support staff (technical) and administrative staff Sanctioned and filled:

Sanctioned - 07

Filled - 05

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

With Ph.D. – 03

With M. Phil – 00

M.Sc. - 02

Name & Designation	Qualification
Satyajit Chakrabarti, ***Assistant Professor***	***M.Sc***
Dr. Sandip Sen, ***Associate Professor***	***M.Sc, Post-M.Sc, Ph.D***
Dr. Babita Sahoo, ***Assistant Professor***	***M.Sc, M.Phil, Ph.D***
Mrinal Kanti Mondal ***Assistant Professor***	***M.Sc***
Dr. Batu Ghosh ***Assistant Professor***	***M.Sc, Ph.D***

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Dr. Sandip Sen : Co-Investigator of the UGC Sponsored Project entitled " Studies of Entglement in Photoelectron Spectroscopy of atoms and molecules", started on 4th March 2015, (No. PSW-004/14-15 dated, 03.02.2015) grants received Rs. 1,44,271

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:

Dr. Sandip Sen, a faculty of this department is involved as a co-investigator of the , UGC Sponsored Project entitled " Studies of Entglement in Photoelectron Spectroscopy of atoms and molecules",

grants received Rs 1,44,271

19. Publications :

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publication Listed in International data base (Web of Science, Scopus, Humanities International Complete, Dare Database -International Social Sciences Directory, EBSCO host, etc.)	Monograph	Books			Citation Index	SNIP	SJR	Impact factor	h-index
			National	International	National	International			Chapter in Books	Book Edited/ Authored	Book with ISBN No					
1	Dr. Sandip Sen	15	02	13			15									
2	Dr. Bobita Sahoo	23	17	06			23									
3	Dr. Batu Ghosh	16	0	16			16									

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards :

1) Prof Satyajit Chakrabarti – Jt. Secretary of All India Peoples Science Network and Editorial Board Member of a Bi-monthly Popular Science Journal – Jana Vigyaner Istahar

22. Student projects

a) Percentage of students who have done in-house projects including interdepartmental programme: All 3rd year students have to do in-house projects on Environmental Science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : Nil

23. Awards/ Recognitions received by faculty and students :

Prof. Satyajit Chakrabarti was selected by United Nation to represent India from major group organization for participation in Earth Summit – 2002, Johannesburg, South Africa.

24. List of eminent academicians and scientists/ visitors to the department:

1) Prof. Sriranjan Banerjee – Executive body member of IUCA

2) Prof. Baidyanath Biswas – Ex Professor, Department of Physics, B.U.

3) Prof. Dilip Basu - Ex Professor Department of Physics , C.U & former V.C, B.U

4) Prof Santi Roy - Ex Professor Department of Physics, B.U

5) Dr. Debi Prasad Duari – Director Research, BITM

6) Dr. Jane Alam – Sr. Scientist, VECC, Kolkata

7) Prof Partha Majumdar – SINP, Kolkata

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National : Nil

b)International : Nil

26. Student profile programme/course wise:

Year of Admission (B.Sc. Hounours)	Number of Application received	Number of Students Admitted	Year of Passing	Number of Students Appeared in final Examination		Pass Percentage
				Male	Female	
2015	Online admission conducted by College	25	2018	Not applicable	Not applicable	Yet to appear
2014	Central Counseling system	33	2017	Not applicable	Not applicable	Yet to appear
2013	Online admission conducted by College	21	2016	Not applicable	Not applicable	Yet to appear
2012	Central Counseling system	29	2015	09	01	42.85
2011	Central Counseling system	31	2014	12	05	40.00
2010	Central Counseling system	30	2013	13	05	50.00
2009	Central Counseling system	29	2012	07	05	50.00

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
B.Sc. (Honours)	100	Nil	Nil
B.Sc. (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, & School Service Commission Examinations, Banking P.O officers examinations.

10 students cleared JAM Examination, 5 students cleared ISM Entrance Examination, 2 students cleared JNU Entrance Examination, 6 students cleared BHU Entrance Examination.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	15 % on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: 4232 Books are available

Seminar Library: 167 Books are available

b) Internet facilities for Staff & Students : Available

c) Class rooms with ICT facility : Nil

d) Laboratories : 7 (Hons. Lab – 4, General Lab – 2 , Computer Lab – 1)

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	**10**	**Nil**	**Nil**
2013-2014	**1**	**Nil**	**Nil**
2012-2013	**8**	**Nil**	**2**
2011-2012	**5**	**Nil**	**3**

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning:

Some time demonstration of model used for improvement of learning. Some classes with relevant lab equipments are taken in Hons Laboratory for better understanding.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students of the department participate regularly in N.S.S , N.C.C activities, Science Exhibition, Blood Donation Camp, Science Seminar

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength: Our department is one of the big and rich departments in our college. We have well equipped laboratory with large space which is good and competent for the Hons and Gen practical. There five faculties at present in our department. They are very efficient, well organized and skilled which help to flourish our department. We have a departmental seminar library with a good number of books for reference studies. Some senior professors visit our department in regular basis.

W ⇒ Weakness:

We don't have sufficient number of laboratory stuff and faculties to run the laboratory in full phase. Faculty strength in number is less than the demand of the classes. Major weakness of the department is unfilled sanctioned post.

O ⇒ Opportunity:

Department can give counseling to the students for further opportunity in their future. We have enough space in our department. There is an opportunity to open PG courses if we are provided sufficient number of faculty. We have space to equip a room with ICT facility for advanced learning. There is ample opportunity to discuss with senior professors who are attached with various bodies in universities to improve teaching learning process. We would like to set up a research unit in the department to provide the students an opportunity of getting a flavor of research at their UG level.

C ⇒ Challenges:

The main challenges we are facing

1. To cover the whole syllabus of HONS and Gen course by five faculty member within the time period framed by Burdwan University.
2. Innovative approaches using ICT method for learning subject like physics.
3. Present day challenge of the department is to attract a good number of quality students to enroll Physics Honours Course and to inculcate among them a strong determination and motivation for pursuing higher studies and research in frontier areas of basic & applied science.

PHYSIOLOGY

1. Name of the department : PHYSIOLOGY

2. Year of Establishment : Intermediate (biology): 1957

: B.Sc. (General) –1981

: B.Sc. (Honours) – 2008

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D. etc.) : B.Sc. (Honours)

: B.Sc. (General)

4. Names of Interdisciplinary courses and the departments/units involved: N.A.

5. Annual/ semester/choice based credit system (programme wise) :

B.Sc. (Honours & General): Annual

Sent-up Test Examinations for B.Sc. (Honours & General) as well as class test conducted time to time for Hons.

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 : Intermediate (Higher Secondary) course discontinued in 2002 as per the decision of the Government of West Bengal.

9. Number of Teaching posts:

Post	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	02	01

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
Arunabha Bandyopadhyay	M.Sc; B.Ed,	Assistant Professor	Sports and Exercise Physiology	13years	Nil
Sanat De	B.Sc	Laboratory instructor	Nil	32 years	Nil
Munna Morol	M.Sc.	Management approved part-time teacher	Reproductive Endocrinology	1 month	Nil
Kalyan Banerjee	M.Sc.	Management approved part-time teacher	Environmental Physiology	1 Year 2 months	Nil
Apurba Maji	M.Sc.	Management approved part-time teacher	Environmental Physiology	1 month	Nil

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.Sc (Honours)	2014-2015	18%	40%
	2013-2014	18%	40%
	2012-2013	10%	20%
	2011-2012	10%	20%
Courses	**Session**	**% of lectures delivered**	**% of practical Classes/ Projects**
B.Sc (General)	***2014-2015***	100%	20%
	2013-2014	100%	20%
	2012-2013	80%	20%
	2011-2012	80%	20%

13. Student -Teacher Ratio (programme wise):- U.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.Sc (Honours)	***2014-2015***	45	4	11:1
	2013-2014	58	4	15:1
	2012-2013	70	5	14:1
	2011-2012	63	5	13:1
B.Sc (General)	***2014-2015***	117	4	29:1
	2013-2014	123	4	31:1
	2012-2013	134	5	27:1
	2011-2012	132	5	26:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Sanctioned - 02

Filled - 01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. :

With Ph.D. – Nil

with PG – 04

with Graduation - 01

Name & Designation	Qualification
Arunabha Bandyopadhyay	M.Sc; B.Ed,
Sanat De	B.Sc
Munna Morol	M.Sc.
Kalyan Banerjee	M.Sc.
Apurba Maji	M.Sc.

16. Number of faculty with ongoing projects from a) National b) International

funding agencies and grants received : Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : Nil

18. Research Centre /facility recognized by the University : Nil

19. Publications

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publications listed in International Data base (web of sciences, Scopus, Humanities International Complete, Dare Data Base, International Social Sciences Directiory, EBSCO	Monogrphs	Books				SNIP	SJR	Impact Factor	
			National	International	National	International			Chapter in Books	Books with ISBN No.	Book Edited/ Authored	Citation Index				
1	Arunabha Bandyopadhyay	02		02												

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 inter departmental / programme :

42 %. Apart from this, all 3rd year students have to do in-house projects on environmental science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards/ Recognitions received by faculty and students : 04

Name of awardee	Detail of award
Arunabha Bandyopadhyay (Assistant Professor)	S. R. Maitra Memorial award (1995) by Physiological Society of India
Papiya Saha	Stood first in first class, University of Burdwan, 2012
Munna Moral	Stood second in first class, University of Burdwan, 2013
Jhilik De	Stood first in first class, University of Burdwan, 2014

24. List of eminent academicians and scientists/ visitors to the department:

Dr.Verna Lesley Blewet ; Associate Professor ,university of south Australia

Dr.Andrea Jane Shaw ; Director ,Shaw idea pty ltd, Mount Egerton,Victoria,Australia

Dr.BikashAgarwal ;onchologist

Prof. T.K.Ghosh; Department of Physiology; Calcutta university

Dr. M.K. Chakroborty;

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National : Nil

b) International : Nil

26. Student profile programme/course wise:

Year of Admission (B.Sc. Honours)	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015	Online admission conducted by the College	13	2018	Yet to appear	Yet to appear	
2014	Central counseling system	12	2017	Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	08	2016	Yet to appear	Yet to appear	
2012	Central counseling system	25	2015	13	11	43.47
2011	Central counseling system	25	2014	11	07	52.38
2010	Central counseling system	20	2013	07	01	54.54
2009	Central counseling system	22	2012	05	05	50.00

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
UG (Honours)	100	Nil	Nil
UG (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, GATE & School Service Commission Examinations.

29. Student progression

Student progression	Percentage
UG to PG	26% on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Applicable
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library: Central Library: 175 Books are available

Seminar Library: Approximately 70 Books are available

b) Internet facilities for Staff & Students: available.

c) Class rooms with ICT facility : Nil

d) Laboratories: 04 (02 for Bio Chemistry and 01 for Histology and 01 for Experimental Physiology Practical Classes)

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	**4**		
2013-2014	**1**		
2012-2013	**3**		
2011-2012	**0**		

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning:

Mainly we use power point presentation method by LCD projector and for demonstration we use black board and chalk. Class notes and direction for practical classes are provided to the students as and when required.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students participated in NCC, NSS (for social awareness and responsibility among the students), Games and Sports etc.

35. SWOC analysis of the department and Future plans

(S- Strength, W- Weakness, O- Opportunity, C- Challenges)

S: Strength:

Equipped Laboratory and learned instructors for conducting practical classes.

Most of our ex-students are well established.

Teacher student relationship is very good.

W: Weakness:

Lack of full time teachers.

Classrooms should be more equipped for better teaching.

O: Opportunity:

Physiology has a good opportunity in different industries such as pharmaceutical, drug industry, etc. Besides these industrial jobs one can go to the higher studies and do a very good research work for better and brighter career.

C: Challenges:

We want to improve the quality of our department, both in terms of teaching and research..

We tried our best to modernise the laboratories and classrooms, despite many problems including lack of space and staff.

STATISTICS

1. Name of the department : STATISTICS

2. Year of Establishment : B.Sc.(GENERAL): 1981

: B.Sc.(HONOURS): 1998

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters;

Integrated PhD, etc.) **:** B.Sc. (Honours)

: B.Sc.(General)

4. Names of Interdisciplinary courses and the departments/units involved

: NA

5. Annual/ semester/choice based credit system (Programme wise):

B.Sc. (Honours & General) : Annual.

Class test and sent-up test Examinations for B.Sc. Honours.

Sent-up test Examinations for B.Sc. General.

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: 02

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	02	01
Asst. Professors		00

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 PhD students guided for the last 4 years
Padmaja Purkayastha (Pal)	M.Stat., Ph.D.	Associate Professor	Quantitative Economics	22 years	Nil
Rajasri Dutta	M.Sc.	WB Govt. approved Part-Time Teacher(PTT)	Operations Research	13 years	Nil
Subhasish Kumar Chandra	M.Sc.	Management approved Part-Time Teacher	Computer Science	04 years	Nil
Dithi Ghosh	M.Sc.	Management approved Part-Time Teacher	Operations Research and Viscous Flow	03 months	Nil
Tamalendu Das	M.Sc.	Management approved Part-Time Teacher	Reliability, Clinical Trials, Bioassay and Demography	02 months	Nil

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes
B.Sc (Honours)	2014 - 2015	19.44	25.00
	2013 - 2014	15.00	25.00
	2012 - 2013	Not Applicable	Not Applicable
	2011 - 2012	Not Applicable	Not Applicable

Courses	Session	% of lectures delivered	% of practical Classes
B.Sc (General)	2014 – 2015	25.00	100.00
	2013 - 2014	14.14	00.00
	2012 - 2013	Not Applicable	Not Applicable
	2011 - 2012	Not Applicable	Not Applicable

13. Student -Teacher Ratio (programme wise):- U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.Sc (Honours)	2014-2015	6	05	1:1
	2013-2014	9	05	2:1
	2012-2013	5	03	2:1
	2011-2012	8	03	3:1
B.Sc (General)	2014-2015	4	05	1:1
	2013-2014	15	05	3:1
	2012-2013	15	03	5:1
	2011-2012	6	03	2:1

14. Number of academic support staff (technical) and administrative staff Sanctioned and filled:

Sanctioned - Nil

Filled - Nil

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

Ph.D – 01

M.Sc – 04

Name & Designation	Qualification
Padmaja Purkayastha (Pal)	M.Stat., Ph.D.
Rajasri Dutta	M.Sc.
Subhasish Kumar Chandra	M.Sc.
Dithi Ghosh	M.Sc.
Tamalendu Das	M.Sc.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University :

Nil

19. Publications:

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publications listed in International Data base (web of sciences, Scopus, Humanities International Complete, Dare Data Base, International Social Sciences Directory, EBSCO host etc.)	Monogrphs	Books				SNIP	SJR	Impact Factor	
			National	International	National	International			Chapter in Books	Books with ISBN No.	Book Edited/ Authored	Citation Index				
1	Padmaja Purkayastha(Pal)	05	04						01							

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 programme :

All 3rd year students have to do in-house projects on Environmental science as part of their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies :

Nil

23. Awards/ Recognitions received by faculty and students :

Nil

24. List of eminent academicians and scientists/ visitors to the department:

Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National : Nil

b) International : Nil

26. Student profile programme/course wise:

Year of Admission	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015-16	Online admission conducted by College	01	2018	Yet to appear	Yet to appear	
2014-15	Central counselling system	01	2017	Yet to appear	Yet to appear	
2013-14	Online admission conducted by Burdwan University	04	2016	Yet to appear	Yet to appear	
2012-13	Central counselling system	02	2015	02	00	50.00%
2011-12	Central counselling system	11	2014	01	01	100.0%
2010-11	Central counselling system	09	2013	02	00	50.00%
2009-10	Central counselling system	09	2012	02	01	66.67%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
UG (Honours)	100	Nil	Nil
UG (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students have qualified indifferent competitive examinations, such as SSC & School Service Commission Examinations.

29. Student progression

Student progression	**Against % enrolled**
UG to PG	85% on the average for last 4 years
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Applicable
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library: 715 Books in Central Library and 15 books in seminar Library

b) Internet facilities for Staff & Students : Available

c) Class rooms with ICT facility : Nil

d) Laboratories : Yes

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	00		
2013-2014	01		
2012-2013	00		
2011-2012	01		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with

external experts: Nil

33. Teaching methods adopted to improve student learning:

Mainly we use the chalk and black board for teaching and discussion on the topics. Class notes and direction for practical classes are given to the students

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students participated in NCC, NSS (for social awareness and responsibility among the students), Games and Sports etc.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength:

Good supply of books in College Library .Teachers always ready to help and guide students.

Most of our ex-students are employed.

W ⇒ Weakness:

Lack of full time teachers.

Classrooms should be more equipped for better teaching.

O ⇒ Opportunity:

Statistics is the key technology, knowledge of which is indispensible in the fields of scientific, social and economic research.

Statisticians are in high demand in industry as quality control experts, in banks as analysts, as consultants in market research, in the field of agricultural research, government service, etc.

C ⇒ Challenges:

We need to attract more students to study Statistics.

ZOOLOGY

1. Name of the department : ZOOLOGY

2. Year of Establishment : Intermediate (Biology) - 1957
: B.Sc (General) – 1961
:B.Sc (Honours) – 1981

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated PhD etc.) **:** B.Sc (Honours)
: B.Sc (General)

4. Names of Interdisciplinary courses and the departments/units involved
: Environmental Science

5. Annual/ semester/choice based credit system (Programme wise):

B.Sc. (Honours & General) : Annual
Sent-up Test Examinations for B.Sc (Honours & General) as well as class test conducted time to time for Hons.

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:

Intermediate (Higher Secondary) course discontinued in 2002 as per the decision of the Government of West Bengal.

9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	05	01
Asst. Professors		01

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 PhD students guided for the last 4 years
1.Dr. Purnima Bose	M.Sc, M.Phil, B.Ed, Ph.D.	Associate Professor	Entomology	19 years	Nil
2. Dr. Angana Ghoshal	M.Sc, Ph.D.	Assistant Professor	Biochemistry, Molecular Biology & Metabolism	5 years	Nil
3.Chandana Bhattacharjee (Khan)	B.Sc	Graduate Lab Instructor (Associate grade)		31 years	Nil
4. Narayan Chandra Roy	M.Sc.	Government approved Part-time Teacher	Fisheries	17 years	Nil
5. Tapan Pal	MSc., Ph.D.	Government approved Part-time Teacher	Biotechnology	11 years	Nil
6. Priya Chatterjee	M.Sc,	Management approved Part-time Teacher	Parasitology	1 year	Nil
6. Priyanka	MSc.	Management approved Part-time Teacher	Fisheries	1 year	Nil
7. Siddhartha Ghati	M.Sc.	Management approved Part-time Teacher	Parasitology	6 months	Nil

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Courses	Session	% of lectures delivered	% of practical Classes/ Projects
B.Sc (Honours)	*2014-2015*	10%	10%
	2013-2014	0%	0%
	2012-2013	0%	0%
	2011-2012	0%	0%
Courses	**Session**	**% of lectures delivered**	**% of practical Classes/ Projects**
B.Sc (General)	*2014-2015*	10%	20%
	2013-2014	0%	0%
	2012-2013	0%	0%
	2011-2012	0%	0%

13. Student -Teacher Ratio (programme wise):- U.G, P.G

Name of Programmes	Session	No. of Students	No. of Teachers	Student Teacher Ratio
B.Sc (Honours)	2014-2015	94	08	12:1
	2013-2014	95	06	16:1
	2012-2013	99	08	12:1
	2011-2012	98	08	12:1
B.Sc. (General)	2014-2015	320	08	40:1
	2013-2014	334	06	56:1
	2012-2013	320	08	40:1
	2011-2012	324	08	41:1

14. Number of academic support staff (technical) and administrative staff Sanctioned and filled:

Sanctioned – 04

Filled - 02

15. Qualifications of teaching faculty with DSC/ D.Litt. / PhD/ Phil/PG.:

With Ph.D. – 04

With M. Phil. – 00

M.Sc. – 03

B.Sc - 01

Name & Designation	Qualification
1.Dr. Purnima Bose, Associate Professor	M.Sc, Ph.D
2. Dr. Angana Ghoshal, Assistant Professor	M.Sc, Ph.D.
3. Chandana Bhattacharjee (Khan) GLI	B.Sc
4. Narayan Chandra Roy, Government approved Part-time Teacher	M.Sc,
5. Tapan Pal, Government approved Part-time Teacher	MSc. Ph.D.
6. Priya Chatterjee, Management approved Part-time teacher	M.Sc,
7. Priyanka, Management approved Part-time teacher.	M.Sc., Ph.D.
8. Siddhartha Ghati, Management approved Part-time teacher	M.Sc.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University : Nil

19. Publications :

SL No	Name of the Faculty	Total Publications	Research Journals		Peer reviewed Journals		Publications listed in International Data base (web of sciences, Scopus, Humanities International Complete, Dare Data Base, International Social Sciences Directory, EBSCO host etc.)	Monogrphs	Books				SNIP	SJR	Impact Factor	
			National	International	National	International			Chapter in Books	Books with ISBN No.	Book Edited/ Authored	Citation Index				
1	Dr. Purnima Bose	12	09	03												
2	Dr. Angana Ghoshal	12	00	12												
3	Priyanka	02	02													

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 programme:

90% of BSc. 3rd year (Honours) students every year carry out a project of 3 months under the supervision of a particular faculty members. Apart from this, all

3rd year students have to do in-house projects on Environmental Science. Both these are parts of the curriculum of the University of Burdwan.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : Nil

23. Awards/ Recognitions received by faculty and students :

Nil

24. List of eminent academicians and scientists/ visitors to the department:

Name of the faculty	**Institute/University**
Dr. Sovan leyk	Paul Sabatier University, Tolouse, France
Dr. Anupam Chatterjee	NEHU
Dr. Santanu Roy	Visva-bharati
Dr. Shivani Choudhury	Visva-bharati
Dr. Gautam Saha	Calcutta University
Dr. S.C. Santra	Kalyani University
Dr. Jayanta Dutta	Burdwan University
Dr. Padmanabha Chakraborty	Burdwan University
Dr. Soumendranath Bhattacharya	Hooghly Mohsin College (PG dept)

25. Seminars/ Conferences/Workshops organized & the source of funding

a) **National-**

UGC-sponsored National Level Conference" Climate Change: A dagger in disguise affecting Biodiversity' held on 27-28th January, 2011 funded by UGC

The department has also organized some seminars at the college funded by the college:

- "200 years of Charles Darwin and 150years of Darwinism" 8th September 2009

- "Environment awareness of herbal remedies-A need of the hour", 11th December, 2008
- "Global warming and possible mitigation", 11th December, 2008

b) International : Nil

26. Student profile programme/course wise:

Year of Admission (B.Sc. Honours)	Number of Applications received	Number of Students Admitted	Year of passing	Number of Students Appeared in final examination		Pass percentage
				Male	Female	
2015	Online admission conducted by the College	18	2018	Yet to appear	Yet to appear	
2014	Central counseling system	32	2017	Yet to appear	Yet to appear	
2013	Online admission conducted by Burdwan University	24	2016	Yet to appear	Yet to appear	
2012	Central counseling system	26	2015	17	12	32.14
2011	Central counseling system	30	2014	17	09	50.00
2010	Central counseling system	30	2013	11	08	60.00
2009	Central counseling system	28	2012	16	02	63.15

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students From abroad
B.Sc. (Honours)	100	Nil	Nil
B.Sc. (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defences services, etc.?

Systematic record has not been kept in the department, but a large number of the students are qualified in different competitive examinations, such as WBCS, SSC, NET, SET, & School Service Commission Examinations, Banking P.O officers examinations.

29. Student progression

Student progression	Against **%** enrolled
UG to PG	**30** % on the average for last 4 years.
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed *Campus selection *Other than campus recruitment	Not Such data maintained by the department
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

a) Library:

Central Library: 691 Books are available

Seminar Library: 250 Books are available

b) Internet facilities for Staff & Students **:** Nil

c) Class rooms with ICT facility **:** Nil

d) Laboratories **:** 03

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	College	University	Government or Other agencies
2014-2015	**9**		
2013-2014	**5**		
2012-2013	**1**		
2011-2012	**2**		

32. Details on student enrichment programmes (special lectures / workshops /seminar) with

external experts: Nil

33. Teaching methods adopted to improve student learning: Mainly we use the chalk and talk method for teaching and discussion of the topics. Class notes and direction for practical classes are given to the students. Practical's are demonstrated by the faculty and explained using biological specimens, charts and models. Some special classes are taken by using the LCD projector.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students participated in NCC, NSS (for social awareness and responsibility among the students), Inter-department exhibition, Games and Sports etc.

35. SWOC analysis of the department and Future plans

(S ⇒ Strength, W ⇒ Weakness, O ⇒ Opportunity, C ⇒ Challenges)

S ⇒ Strength:

- Well-equipped Laboratory and good stocks of different biological specimens, charts, chemicals and apparatus for conducting practical classes.
- We also have a few good instruments that help the students to perform their experimental projects.
- We have a wall magazine that encourages students to go through the modern trends of science and also improve their writing skills.
- Most of our ex-students are well established.
- Teacher-student relationship is very good. The teachers always try to find out the problems faced by them. Students are always supported with books, notes and extra classes.
- The department conducts regular field trips and excursions that help the students to connect the practical aspects with the theoretical knowledge. Moreover the students get to perform simple experiments that give them a taste of the unravelling the unknown faces of science.

W ⇒ Weakness:

Lack of full time teachers.

Classrooms should be more equipped for better teaching.

Since biology is a practical based subject more ICT facilities should be provided.

Laboratories must be highly equipped to cater the needs of the modern trends of the syllabus.

As biodiversity is at danger, more funds should be given for purchasing biological preserved specimens and models for demonstration in the practical classes.

More classrooms are required for conducting simultaneous classes for the respective years.

O ⇒ Opportunity:

Biology has a good opportunity in different industries such as pharmaceutical, drug industry, biochemical industry etc. Besides these industrial jobs one can go to the higher studies and done a very good research work for better and bright career.

C ⇒ Challenges:

We want to make the department an excellent centre of learning. We tried our best to modernise the laboratories and classrooms. We have a plan to set up a research laboratory. Moreover in the near future we want to engage the students in different collaborative work with other higher institutes that would help them to face the challenges in future. It has been our aim to start Post Graduate Teaching in our department which will be possible only if the number of teacher is increased.

ENVIRONMENTAL STUDIES

Environmental Studies is a part of the curriculum of under graduate studies. All third year students of B.A., B.Sc. & B. Com (Hons & General) have to take the Environmental Studies as compulsory subject. There is no separate department for Environmental Studies. Faculty members of different science departments are managing the day to day academic affairs of this department.

The following faculty members involved with this department.

1. Dr. Swapan Kumar Roy (Co-ordinator)
2. Dr. Basabi Barua (Hazra)
3. Dr. Rajarshi Bikash Kundu
4. Dr. Subrata Chakraborty
5. Dr. Amitava Nayek
6. Prof. Jagannath Chakraborty
7. Prof. Narayan Chandra Roy
8. Dr. Kaushik Dutta

IEQA SUBMISSION DATE-14/01/2016

INSTITUTIONAL ELIGIBILITY FOR QUALITY ASSESSMENT(IEQA) QUESTIONNAIRE

1 COLLEGE DETAILS			
Name of the college	TRIVENIDEVI BHALOTIA COLLEGE, RANIGANJ	Year of establishment	1957
Location of the college	URBAN		
2 ADDRESS			
Address	p.O. - RANIGANJ, DIST. BURDWAN, PIN 713 347, WEST BENGAL	City	Asansol
State	West Bengal	Pin Code	713347
Website	www.tdbcollege.ac.in	E-Mail	tdbcollegeraniganj@gmail.com
Phone STD Code	0341	Phone No	2444275
Fax STD Code	0341	Fax	2444275
3 HEAD OF THE INSTITUTION			
Name	Dr. ASISH KUMAR DEY	Designation	principal
Status of appointment	PERMANENT		
4 CONTACT DETAILS OF HEAD OF THE INSTITUTION			
Phone std code	0341	Phone number	2444275
Fax std code	0341	Fax	2444275
Mobile	+919434030121	E-Mail	drasishde@gmail.com
5 DOES THE COLLEGE FUNCTION FROM			

a. MAIN CAMPUS

	AREA OF THE CAMPUS IN ACRES	TOTAL BUILT UP AREA IN sq.m.
OWN BUILDINGS	9.354	24207.88
RENTED BUILDINGS	0.0	0.0

b. SATELLITE CAMPUS

	AREA OF THE CAMPUS IN ACRES	TOTAL BUILT UP AREA IN sq.m.
OWN BUILDINGS	0.0	0.0
RENTED BUILDINGS	0.0	0.0

6 NAME OF THE UNIVERSITIES TO WHICH THE COLLEGE IS AFFILIATED OR CONSTITUENT			
University1	Burdwan University, Bardhaman	Other	
Nature of relationship with the university	AFFILIATED	If affiliated, status of affiliation	PERMANENT
University2	Other	Other	
Nature of relationship with the university	AFFILIATED	If affiliated, status of affiliation	PERMANENT
University3		Other	
Nature of relationship with the university		If affiliated, status of affiliation	
7 STATUTORY PROFESSIONAL REGULATORY COUNCIL(S)			
Does the college offer any programme recognized by any Statutory Professional Regulatory Council(s)?			no
Programmes offered		Name of the Regulatory Council(s)	
8 COLLEGE FUNCTIONING			
Type of college	CO-EDUCATION	Time of functioning	DAY COLLEGE
Nature of funding	GRANT-IN-AID	Management	UNIVERSITY
9 MANAGEMENT/TRUST DETAILS			
Name of the Management		Recognition under Ugc Act.1956	2f & 12b

10 MANAGEMENT/TRUST OF THE COLLEGE IS REGISTERED UNDER

Society's registration Act of 1960	no	Relevant Act of the respective state Govt.	no
Any other(please specify)			

11 NUMBER OF DEGREES OFFERED BY THE COLLEGE

UG	6	PG	1
Research	0	Others	0
Total	7		

12 DETAILS OF DEGREES OFFERED(B.A., M.A., B.Com., M.Com., B.Sc., M.Sc., M.Phil., Ph.D., etc.,)

Arts	B.A. (HONS), B.A. (GENERAL), M.A. (URDU)	Commerce	B.COM (HONS), B.COM (GENERAL)
Science	B.SC.(HONS), B.SC (GENERAL)	Education	
Health Science		Engineering & Technology	
Management		Others	
Is the college opting for Assesment & Accreditation of Teacher Education department separately?			no
Is the college opting for Assesment & Accreditation of Physical Education department separately?			no
Number of departments			21

13 TOTAL NUMBER OF STUDENTS(EXCLUDING THOSE IN SELF-FINANCING PROGRAMMES)

	UG		PG		M.Phil/Ph.D		Value Added Courses(Certificate/Diploma)	
	Male	Female	Male	Female	Male	Female	Male	Female
General	1671	1441	4	42	1	0	0	0
SC/ST	632	358	0	0	0	0	0	0
OBC	220	168	1	8	0	0	0	0
Total	2523	1967	5	50	1	0	0	0
Grand Total	4546							

14 TOTAL NUMBER OF STUDENTS IN SELF-FINANCING PROGRAMMES

	UG		PG		M.Phil/Ph.D		Value Added Courses(Certificate/Diploma)	
	Male	Female	Male	Female	Male	Female	Male	Female
General	0	0	0	0	0	0	0	0
SC/ST	0	0	0	0	0	0	0	0
OBC	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Grand Total	0							
Total number of students in the college			4546					

15 NUMBER OF TEACHING,TECHNICAL AND ADMINISTRATIVE STAFF

	Permanent		Temporary		Total	
	Male	Female	Male	Female	Male	Female
Teachers with PG	26	22	10	6	36	28
Teachers with M.Phil.	6	2	1	0	7	2
Teachers with Ph.D	20	10	0	1	20	11
Teachers with NET/SLET	32	20	0	0	32	20
Technical staff	2	0	0	0	2	0
Administrative staff	1	0	0	0	1	0
Support staff	44	3	0	0	44	3
Total no. of teachers	52	34	11	7	63	41

16 SUPPORT SERVICES

Number of titles of books	65906
Number of journals	5
Number of e-resources	1
Does the college have a registered Alumni Association?	yes
Does the college have a functional Placement Cell?	no

17 UNIT COST OF EDUCATION

Unit Cost=Total annual expenditure divided by no. of students enrolled	15183.73

Unit cost calculated excluding salary component	700.06
18 MENTION FIVE ACADEMIC MILESTONES OF THE COLLEGE	
First	NEW LIBRARY BUILDING
Second	OPENING OF P.G. COURSE IN URDU
Third	SETTING UP OF A GARDEN OF MEDICINAL PLANTS
Fourth	CONSTRUCTION OF REMOTE SENSING COMPUTERISED LAB IN GEOGRAPHY DEPT
Fifth	SMART CLASS ROOM & LANGUAGE LAB.

Section 2: Institutional Data Questionnaire

1. The college has in place a structured internal quality assurance system for ensuring continuous quality monitoring or improvement	YES
2. Library has reading room facilities for students and faculty separately	YES
3. The college uses the students feedback for analysis and improvement purposes	YES
4. Basic computer literacy is ensured for all students in a structured way such as add on courses	NO
5. The college provides financial aid to at least 10% of the general category students	YES
6. The college has a mechanism for counselling students	YES
7. An annual in-house academic calendar is prepared and implemented by the college	YES
8. The college has a mechanism for addressing grievances of students and staff	YES
9. The college promotes scholarly activities of the faculty beyond the syllabus	YES
10. Internet facility is available in the college for faculty and students	YES
11. The college campus is differently-abled friendly	YES
12. The college has a formal mechanism to promote research activities of its students and faculty.	NO
13. The college has adequate sports facility	YES
14. The college has developed a short term and a long term plan for its development and growth	YES
15. Percentage of classrooms equipped with LCD projector	<25%
16. Percentage of teachers using audio-visual aids including computer-aided teaching	20-40%
17. The average number of extension activities organised by the college during the last four years	>6
18. Average percentage utilization of annual allocated funds for the last four years	50-75%
19. Maintenance expenditure on infrastructure as percentage of the total annual budget	>4%
20. Average pass percentage of graduating students	50-70%
21. Computer students ratio	>1:60
22. Percentage of faculty benefitted from UGC and other staff development programmes (average of last four years)	>10%
23. Percentage of permanent teachers with Ph.D. qualification	20-40%
24. Percentage of classes taught by guest faculty or temporary teachers	20-50%
25. Students teacher ratio	30:1-50:1
26. Percentage of faculty positions filled against sanctioned posts	60-80%
27. Number of add-on courses conducted by the college	<3
28. Awards received by the students in sports and cultural activities in the last four years	State or University Level
29. Percentage of teachers having on-going or completed research projects in the last four years	<10%
30. Number of academic seminars or conferences or workshops that the college has organized (average of last four years)	>4
31. Number of Journals subscribed in the library National or International	<10
32. Percentage of students admitted against the reservation category as per Government of India norms	>75%

Certificate

This is to certify that the information given in the IEQA application is true to the best of my knowledge and ability and if the same is found to be false or misleading, I authorize NAAC to initiate any action which it deems fit including withholding the outcome of the Peer Team Visit.

Government of India

Ministry of Human Resource Development

Department of Higher Education

Statistics Division

New Delhi

Certificate

Reference No. C-44660-2015

This is to certify that Dr. ASISH KUMAR DEY of Triveni Debi Bhalotia College has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2015-2016.

(B N Tiwari)

Deputy Director General

Dated: 23/01/2016

All India Survey on Higher Education

(0341) 2444273

TRIVENIDEVI BHALOTIA COLLEGE

(Govt. Sponsored)

Post. : RANIGANJ, Dist. : BURDWAN, Pin. : 713347

ESTD. - 1957

Ref. No. NAAC/SSR/116/673 Date : 27/01/2016

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 outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the Peer team visit.

A. K. Das

Signature of the Head of the institution
With seal

Principal
Triveni Devi Bhalotia College
Raniganj, Burdwan (W.B.)

Place: Raniganj
Date: