KRISHNATH COLLEGE



SELF STUDY REPORT (SSR)

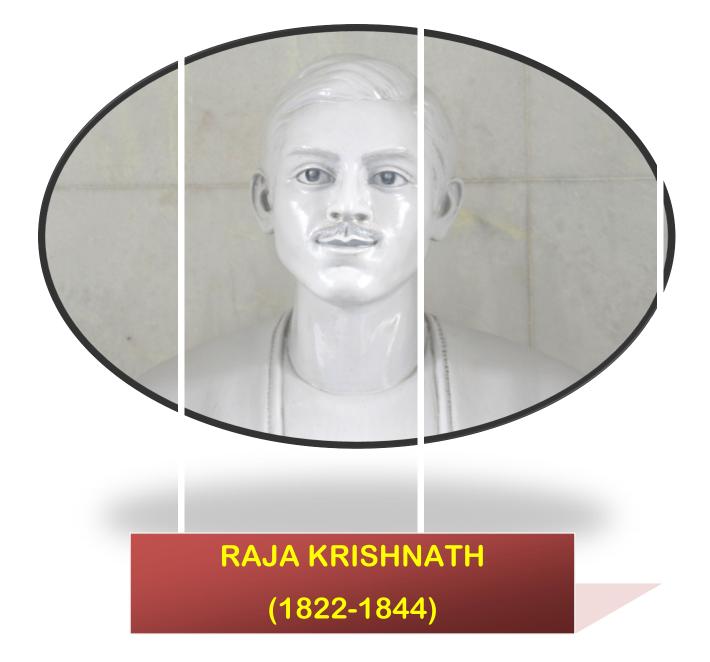
For submission to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC) Second Cycle of Accreditation 2015

Submitted by



KRISHNATH COLLEGE, BERHAMPORE, MURSHIDABAD, WEST BENGAL 742101



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	ST.D. Code No. 03482 Phone No : 252069 (Office), 252999 (Rest) TH COLLEGE Estd1853 MURSHIDABAD
BERHAMPORE	N CODE NO 742 101
No	Dated, Berhampore, the
09/449/2015-16	22/12/2015
То	
The Director, National Assessment and Accreditation Co P.O. Box no: 1075, Nagarbhavi,	puncil (NAAC),
Bangalore – 560072, India	
Sub: Uploading of the Self-Study Report of Kr Dist-Murshidabad, Pin-742101, W.B. for website <u>www.krishnathcollege.com</u>	rishnath College, 1, Sahid Surya Sen Road, P.O. Berhampore, the Second Cycle of NAAC accreditation in the institutional
Sir,	
accreditation bearing the EC number EC/	(S.S.R.) of our College for the second Cycle of NAAC /47/A&A/78, January 29, 2009 in our institutional website he Letter of Intent (LOI) from our end at the earliest. The time.
This is for your kind information and neces	ssary action.
Thanking you	
Yours sincerely	
Sujata Bagchi Banja	
Dr. Sujata Bagchi Banerjee Principal, Krishnath College	
Berhampore, W.B. E-mail : knc_principal@rediffmail.com	ALCOLLES
Principal Krishnath College Berhampore (W.S.)	E STD. 185
Certainpere Street	Serhampols .

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Krishnath College

recommendation report.

Preface

Krishnath College is herewith submitting the Self Study Report for the second cycle of accreditation.

In the first cycle of assessment, the college was bestowed grade B with valuable suggestions and guidelines by the NAAC Peer Team in their

Krishnath College with its 163 years' glorious history assiduously looks forward to the further steps of assessment with the belief that it is high time for quality enhancement without compromise with any ideas opposed to social equality and liberal dissemination of education, to which we have always remained true.



At present our college conducts Honours courses

in Science stream, courses in Arts stream and courses in general and major stream. The college has also introduced PG courses in Sericulture, Physiology and Sanskrit affiliated to University of Kalyani. Apart from that, PG courses in different subjects are being run in distance learning mode with the affiliation of Netaji Subhas Open University (NSOU) and Rabindra Bharati University (RBU) in Krishnath college study centre. University results of both UG and PG bear witness to the consistently good academic performance.

After accreditation of NAAC in 2009, the college has faced some limitations and challenges to sustain its heritage coping with modern thought to upgrade infrastructure, research and teaching-learning systems. Up gradation and autonomy and further extension in PG courses and research are the main areas of concern. Today when the college confronts global challenges, the need to groom students and up gradation of our institutional status becomes a matter of grave concern.

We have tried our best to prepare our SSR and also to develop our institution in all respects with the suggestion and whole hearted assistance and participation of all concerned.

We at this august institution believe that we can sustain our heritage and culture among our young wards with a symphony of many voices to fight against the evil tendencies for the destruction of Indian society. Each one of us – teachers as well as the taught – have to take a vow to obey the following dictates of the Taittiriya Upanishad –

"Don't swerve from the truth. Do not swerve from duty. Do not neglect what is useful. Do not miss opportunities to become great. Do not neglect the duties of learning and teaching."

Dr.Sujata Bagchi Banerjee Principal, Krishnath College Berhampore, W.B.

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Executive Summary

Krishnath College is a premiere College in Murshidabad district, West Bengal. Throughout its existence of more than one and half a century, it has been providing the lifeline of education in this remote part of West Bengal,

The curricular aspects of the college show how it ensures equity and social justice, the use of modern technologies both in teaching and learning process. As one of the leading colleges of the district, we do our level best to ensure quality education. This endeavour attracts good and meritorious students of surrounding areas.

1. Criterion I : Curricular Aspect

- Krishnath College is affiliated to the University of Kalyani and follows the curriculum designed by the University. But a number of teaching faculties, being members of undergraduate boards of study, implement directly or indirectly their thoughts in the curriculum. In the P.G. section partial autonomy has been provided by the University.
- At present, the college runs 19 UG programmes, 3 PG programmes and offering distance education programmes through Netaji Subhas Open University and Rabindra Bharati University.
- Innovative teaching facilities provided by interactive approaches like student seminars, use of PowerPoint presentations, group discussions, and ICT enabled teaching using computers, smart classroom, LCD projectors etc.
- A computer centre runs on the campus on the basis of a MOU with the college that allows students to undergo CCC and O-level courses at concessional rates.
- Feedback about curriculum, teaching quality and processes and campus experience are collected from students throughout the session.

Criterion II: Teaching Learning and evaluation

- The institution ensures transparency in the admission process, both for UG and PG, through wide publicity in the college website and college Notice board.
- Teaching and Learning is given the topmost priority.
- Total no of students in 2014-2015 is in U.G.-3060 and P.G.-218, Ph.D-02. Percentage of Boys and Girls are 60.39% and 39.61% respectively having the ratio of male and female 3:2.
- The reservation policies are strictly maintained during admission.
- There is a continuous system of internal assessment, both formative and summative, through implementation of curricula divided into modules. Such assessment provides feedback and insight into states of teaching and learning, and changes are made in accordance.
- The central Library, containing more than 45000 titles is digitized and enables access to e-books and journals through INFLIBNET-NLIST.

Krishnath College

- Slow learners are identified through internal formative assessment by departments and remedial classes are arranged for them and study material provided.
- There are 49 computers with accessories and internet connection with BSNL Broad Band and Satyam NET.
- College comprises of several wings such as women Development cell, NSS, NCC which take care of sensitizing its staffs and students.
- College organizes regular evaluation of the students through test examination.
- According to guideline of UGC, faculty members of various subjects are regularly sent to faculty development programmes R.C– 18, O.C– 01, staff training-02, work-shops etc-03 members attended.
- Seminars and special lectures are arranged for advancement of knowledge.
- Field works and study tours are organised by different departments.

Criterion III: Research Consultancy and Extension:

- The college encourages teachers to apply for grants, participate in national and international seminars organised by the college and other institutions.
- The IQAC, different statutory bodies and sub-committees are always involved in promoting research climate in the college.
- The college has 9 ongoing minor research projects and one major project (DST).
- Science departments have well equipped library with internet facilities.
- Faculty members regularly publish research papers such papers have been published in 38 international journals, 6 national journals etc.
- P.G. Sanskrit department regularly publishes an annual journal with ISSN.
- N.S.S. and N.C.C. units of the college are regularly engaged in extension activities.

Criterion IV: Infrastructure and Learning resources

- The total campus area of the college is 7.277 acres, containing playgrounds, gymnasium, a ramp for the disabled, 2 Boys' and 2 Girls' hostels, an animal house and a health centre.
- The built-up area of the college has increased from 6542.6037 sq.mt to 7750.6037 sq.mt.
- There are 22 well equipped laboratories, a smart classroom, and computers with internet facility in most of the departments.
- The central library is equipped with KOHA software with which a digitized cataloguing is under process. The library also has an institutional subscription of the INFLIBNET-NLIST which enables teachers and students to access online journals.
- The whole campus of the college has been brought under CCTV surveillance.

Criterion V: Students' Mentoring and Support

• The College provides institutional free studentship and memorial scholarship to poor and meritorious students.

- IQAC members as well as the teaching staff of the college take an active role in enhancement of students' activities in different fields apart from academics as in sports, social work, cultural programmes etc.
- Students are advised to appear in different competitive examinations. Career counselling cell provides study material and advice to the students, along with creating interfaces for campus recruitment done by companies from different sectors. Six students were recently selected by ICICI Bank through campus interview.
- 68 students participated in University Level sports and 4 students participated in National level competition. 8 students received awards in the state / university level awards in 2014-15 session.
- About 2200 students have been financially benefitted by grants and awards from the college and government and non-government agencies in the last four years, apart from the government stipends awarded to students belonging to Scheduled Castes and Scheduled Tribes.
- Students received prizes from district, divisional and state level Youth Parliament competition, Quiz competition etc.
- Awards are given to the students by the college for excellence in various examinations.
- Health camps are organized in the college campus for medical check up of the students.
- The Alumni plays a great role in mentoring and supporting students by assistance in the form of books and other study material, financial aid to the needy student, and by encouraging the learner through awards. It also attempts to widen the horizon of the learners' mind by arranging seminars/symposia on topics relevant to them.
- The autonomous students' union of the college exists to mediate in all initiatives taken by the authority in mentoring students.

Criterion VI: Governance, Leadership and Management

- The college is governed by the Governing Body (G.B.) following the overall rules & regulations, instructions framed by the Higher Education Department, Govt. Of West Bengal. The college is also benefitted from the guidelines of The Higher Education Council.
- IQAC of the college is actively involved in designing the quality-related policies which are implemented, as per as practicable, by the college authority.
- The feedbacks from different stakeholders are analysed and discussed in different forums and necessary steps are taken accordingly.
- Teachers are encouraged to conduct Research Projects and to participate Seminars (International/National /State level), workshops as and when opportunities come. Computer training programmes are organised for the non-teaching staffs.
- To maintain financial sanctity internal audit for utilization of the grants received from U.G.C. or State Govt. is done by the internal auditor and the external audit is done by the Govt. auditors Principal Accountant General, West Bengal at regular intervals. Audit of the UGC grants is done by registered Chartered Accountants and audited utilization certificates are sent to the UGC within stipulated time.

Criterion VII: Best Practice

- Field survey conducted by Economics department in the slum areas (Gandhi Colony) to estimate educational status, fertility rate, population, literacy pattern, employment pattern, consumption pattern to aware the student about real life situations.
- Students are motivated by the college through annual awards not only to the meritorious but also the poor. The college also provides help to students in ill health; Leukaemia, Thalassaemia-ridden students receive financial help from the college.
- Our college has taken various initiatives to develop environmental consciousness of the stake holders. Geography department has studied the socio economic conditions of the 'Environmental Refugees' due to severe river bank erosion in the district of Murshidabad in the Gaunj Singheswari near Ajimganj and Bamnabad at Raninagar-II Block.
- The campus green is maintained assiduously and the culture of rare and medicinal plants is taken special care of.
- The Alumni participates actively in the academic activity and related upliftment by donating books and other teaching aids and holding seminars periodically.

SWOC ANALYSIS OF THE COLLEGE

STRENGTHS:

- The college enjoys a high reputation as the premier institution of higher education in the district. It is generally recognised as the lead college of the region with extension to PG programmes.
- There is complete transparency in all processes from admission to management, and maximum flexibility is offered to students, remaining within university curricula.
- The college regularly produces rank holders in university examinations both in UG and PG levels.
- The college possesses infrastructural resources like land and human resource for future expansion.
- A strong alumni association stands by the college in regular academic and extracurricular activities.
- There is a healthy synchronization of all stakeholders the Governing Body, staff, students, alumni and the body of parents.
- There exists excellent ambience for teaching-learning with the practice of academic and personal counselling conducted by the departments.

WEAKNESSES:

- The college suffers from lack of freedom in curriculum design and evaluation methods.
- Severe financial constraints have held back efforts of maintenance and development.
- Vacant staff positions (about 20 full-time teaching posts) among teaching and nonteaching employees are a perennial problem that hinders the teaching-learning process.
- The college being located in a low-literacy district remote (about 200 km) from the academic and industrial centres in the state, it becomes difficult and sometimes impossible to forge collaborative ventures, training programmes or courses with other institutions or industrial units.
- Only a meagre provision of student support can be made in a district with high poverty and low literacy rates.

OPPORTUNITIES:

- To grow into an autonomous institution and/or a deemed university.
- To garner resources from local community, alumni etc. and launch extension activities in a big way.
- To shape itself into an archive of the history and present variety of life in the district.
- To grow into a centre of employment by running vocational training-cum-production courses.

CHALLENGES:

- To uphold the original mission of imparting secular, liberal and modern education through these difficult times.
- To provide better career assistance and placement service.
- To reach out to the surrounding community and provide meaningful and sustainable social service using the knowledge and skill acquired by students.
- To move ahead with PG and job-oriented courses.
- To arrange for better atmosphere of study for poor and backward class students.

PROFILE OF THE COLLEGE

Name:	KRISHNATH COLLEGE		
Address:	1, Sahid Surya Sen Road		
City:	Pin: 742101	State: West Bengal	
Berhampore			
Website:	www.krishnathcollege.com		

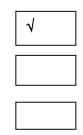
1. Name and Address of the College:

2. For Communication:

Designation	Name	Tele-	Mobile	Fax	Email
		phone			
		with			
		STD			
		Code			
Principal	Dr.	03482-	09434533634	03482-	knc_principal@
	Sujata	252069		252999	rediffmail.com
	Bagchi				
	Banerjee				
Vice-	Post of Vi	ce-Princip	oal not provided	by the Go	ovt.
Principal					
Steering	Dr.	03482-	09434178333	03482-	skg.knc@gmail.
Committee	Safalla	252069		252999	com
Co-ordinator	Kumar				
	Ghosh				

3. Status of the Institution:

Affiliated College Constituent College Any other (specify)



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4. Type of	Institution:		
a) By C	Gender		
i)	For Men		
ii)	For Women		
iii)	Co-education	\checkmark	
b) By S	Shift		
i)	Regular		
ii)	Day	*	* with extended morning section
iii)	Evening	v	

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:

 $\sqrt{}$

Government	
Grant-in-aid	1
Self-financing	~1
Any other	

1	
1	

7. *a. Date of establishment of the college*: 01.11.1853 (dd/mm/yyyy)

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

University of Kalyani

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	01.11.1953	Since the establishment of the College
ii. 12 (B)	01.11.1953	precedes that of the UGC, recognition under both sections was given automatically when the UGC was set up.

c. Details of UGC recognition:

(Enclose the certificate of recognition u/s 2(f) and 12(B) of the UGC Act) - Annexure I

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

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

Yes	No	
If yes, has the College app	lied for availing the autonomous status? N.A	ł
Yes	No	
9. Is the College recognize	d	

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

Yes

No 🗸

If yes, date of recognition: N.A.

b. For its performance by any other governmental agency?

Yes No \checkmark

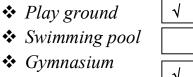
If yes, Name of the agency and Date of recognition: N.A.

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

Location	Urban
Campus area in sq. mts.	32,418.19 sq. mts.
Built up area in sq. mts.	7,750.6037 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 agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- *Auditorium/seminar complex with infrastructural facilities:* Under construction
- Sports facilities



- Hostel
 - ✤ Boys' Hostel

iii.

- i. *Number of hostels:* Two (New Main Hostel & Kumar Hostel)
- ii. *Number of inmates:* 159

Facilities:

Electricity, Bathrooms in every floor with running water, common room, Television, Dining hall with chair & table, Water purifier, Daily newspaper, Indoor games, Outdoor games, Playground and PHE water supply connection ✤ Girls' Hostel Number of hostels: Two (M.M.C.Girls' & Wheeler i. Hostel) Number of inmates: 125 ii. *Facilities*: iii. Electricity, Generator, Security Guard, Bathrooms with running water, common room, refrigerator, Television, Dining hall with chair & table, Water purifier, Daily newspaper, Indoor games, Playground and Municipality water supply connection.

- ✤ Working women's hostel: NIL
- *Residential facilities for teaching and non-teaching staff* (give numbers available cadre wise)
 Short-term accommodation is provided to the new comers. However, furnished staff-quarter is yet to be done.

*	Cafeteria:	\checkmark
*	Health centre:	\checkmark

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance Health Centre staff -

College Health Centre provides the facilities like first aid, bed and emergency care. If required the ambulance service is made available instantly by the college but the college does not have this own facility.

Qualified doctor:	Full time	Part-time
Qualified Nurse:	Full time	Part-time 🗸

- * Facilities like banking, post office, book shops: NIL
- Transport facilities to cater to the needs of the students and staff: College has no own vehicles, but it is arranged as and when required.



- ♦ Animal house:
- ✤ Biological waste disposal: NIL
- ♦ Generator or other facility for management/ regulation of electricity and voltage: √

College has 7 Generators (D.G set : two of 40 KVA & 30 KVA; three sets of 10 KVA each and two sets of 5 KVA each) for supplying powers among different departments as well as in the administrative building

- Solid waste management facility: $\sqrt{}$
- ✤ Waste water management: NIL
- ♦ *Water harvesting:* √

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

Sl. No.	Programe Level	Name of theProg- ramme/ Course	Dura- tion	Entry Qualifi -cation	Medium of instruction	Sanctioned /approved Student Strength	Number of students admitted ^{\$}
1.	UG						
i)	B. Sc. (H*)	Physics (H)	3 Yrs	10+2 Passed & fulfillin -g Kalyani Univ. norms	Vernacular & English	57	60
ii)		Chemistry (H)	-do-	-do-	-do-	57	57
iii)		Math(H)	-do-	-do-	-do-	70	70
iv)		Botany(H)	-do-	-do-	-do-	38	38
v)		Zoology (H)	-do-	-do-	-do-	38	38
vi)		Physiology (H)	-do-	-do-	-do-	38	38

vii)		Economics (H)	-do-	-do-	-do-	42	19
viii)		Geography (H)	-do-	-do-	-do-	57	57
ix)	B. A. (H)	English(H)	-do-	-do-	English	64	64
x)		Bengali (H)	-do-	-do-	Bengali	69	67
xi)		Sanskrit (H)	-do-	-do-	Vernacular	64	64
xii)		Political Science (H)	-do-	-do-	Vernacular & English	56	52
xiii)		Philosophy (H)	-do-	-do-	Vernacular & English	56	46
xiv)		History (H)	-do-	-do-	Vernacular & English	71	53
xv)	B. Sc. (M**)	Sericulture (M)	-do-	-do-	Vernacular & English	50	32
xvi)	B. A. (M)	Tourism& Travel Manageme nt (M)	-do-	-do-	Vernacular & English	55	12
xvii)	B. Sc. (G***)	B.Sc (Pure)	-do-	-do-	Vernacular & English	262	63
xviii)		B.Sc (Bio)	-do-	-do-	Vernacular & English	118	58
xix)	B. A. (G)		-do-	-do-	Vernacular & English	1083	662
2.	PG	-					
i)	M. Sc.	Physiology	2 yrs	3 year Degree B. Sc. (H) from any UGC recogni sed univ. with at least 45 % marks in the subject	Vernacular & English	25	18

7.	UG Diploma	O level NIL	1 year	10 + 2 passed	English		117
6.	Certificate course ##	CCC	2 mnths	10 passed	Bengali & English	30 per batch	09
5.	M.Phil	NIL					
4.	Ph. D. [#]			As per UGC norms	English		02
3.	Integrated Programme PG	N.A					
iii)	М. А.	Sanskrit	2 yrs	subject 3 year Degree B.A. (H) from any UGC recogni sed univ. with at least 45 % marks in the subject	Vernacular	60	58
ii)	M. Sc.	Sericulture	2 yrs	3 year Degree B. Sc. (H or M) from any UGC recogni sed univ. with at least 45 % marks in the subject	Vernacular & English	25	08

8.	PG Diploma	NIL			
9.	Any Other (specify and provide details)				

*H stands for Honours

**M stands for Major

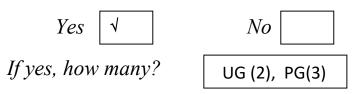
***G stands for General

^{\$} Number of students admitted may exceed the intake capacity due to the same effective mark of more than one student qualifying for the last vacant seat as per university rules.

Ph.D programmes are not offered by the college on regular basis, but two students are doing their Ph.D in Physics and Physiology Department under the Research Project of Dr. K. Basu Roy (Physics) and Dr. S.K. Das (Physiology).

 $\#\!\#$ Offered by K.N. College Computer Centre (approved by DOEACC, AICTE, and HRD) in collaboration with the College

13. Does the College offer self-financed Programmes?



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

Yes $\sqrt{*}$

No

Number 01

* Physical Education as a combination subject for B.A (General) students has been introduced. Through Netaji Subhash Open University, PG Diploma in Journalism & Mass Communication has also been introduced. **15. List the departments:** (respond if applicable only and do not list facilities like Library, Physical Education as departments unless they are also 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
	(eg. Physics, Botany, History etc.)			
C. i.	Physics, Chemistry, Mathematics, Botany, Zoology, Geography, Economics	\checkmark		\checkmark
Science	Physiology, Sericulture	\checkmark	\checkmark	\checkmark
	Bengali, English, History, Philosophy,			
	Political Science,	\checkmark		\checkmark
	Sanskrit	\checkmark	\checkmark	\checkmark
Arts	Tourism and Travel Management	\checkmark		
	Physical Education	$\sqrt{(\text{General})}$		
Commerce	N.A.			
Any Other (Specify)	Krishnath College Computer Centre; CCC & O – level Certificate Courses are provided. These courses are being approved by DOEACC, AICTE, and HRD.			

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

19

- a. Annual system
- b. Semester system 03^*
- *c. Trimester system* NIL

^{*} For PG Departments

03

17. Number of Programmes with

- a. Choice Based Credit System
- b. Inter/Multidisciplinary Approach
- c. Any other (specify and provide details)

* For PG Departments, ** Sericulture

18.	Does the C	College off	er UG a	nd/or P	G program	mmes in	Teacher
Edu	cation?						



If yes,

- a. Year of Introduction of the programme(s)......(dd/mm/YYY) And number of batches that completed the programme N.A
- b. NCTE recognition details (if applicable) N.A

Notification No.:

Validity:



01**	
]

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



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

Yes	√#	No	
-----	----	----	--

It is a self financing combination subject for B.A General Course

If yes,

- b. NCTE recognition details (if applicable) N.A

Notification No.:

Validity:

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

Yes $No \sqrt{}$

Positions		Τ	eaching	faculty			Non-		Technical staff	
	Professor		Asso Profe		Assistant Professor		_ teaching staff		stall	
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Permanent:										
Sanctioned										
by the UGC/										
University/					69					
State										
Government										
Recruited			16#	04#	19 + 1	10	12	01	10	00
					(Librarian)					
Yet to					20	1	1	0	1	1
recruit					+ 1 (Librari	an)				

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

[#] Upgraded by CAS

Positions	Teaching faculty					
-	$^{*}M$	*F				
Part-time: Sanctioned by the UGC/		I				
University/ State Government						
		17				
Recruited	08	09				
Yet to recruit	00	00				

Positions	Teaching faculty				
_	* M	*F			
Guest Teachers: Sanctioned by the					
Management/ society or other					
authorized bodies					
		41			
Recruited	28	13			
Yet to recruit	00	00			
Non-Teaching staff: Sanctioned by					
the Management		20			
		20			
Recruited	17	03			
Yet to recruit	00	00			

^{*}M- Male ^{*}F- Female,

21. Qualifications of the teaching staff:

Highest qualification	Prof	essor	Associa Profess		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent te	achers						
D.Sc./							
D.Litt.							
Ph.D			14	03	06	05	28
M.Phil			00	01	02	03	06
PG			01	00	11	03	15

Temporary teachers [*]				
Ph.D		09		09
M.Phil			01	01
PG		16	07	23
Govt. approved Part-time t	eachers	I		
Ph.D		01	01	02
M.Phil				
PG		07	08	15
*			(up to 30).06.2015)

*Temporary teachers are management appointed part-timer of the college in the UG section

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

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College
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33 (for UG) 32 (for PG)

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

	2011-2012 2		2012-2013		2013	3-2014	2014-	2015
Categories	Male	Female	Male	Female	Male	Female	Male	Female
SC	83	28	100	44	111	24	91	63
ST	11	05	10	04	11	03	15	05
OBC	11	02	02		37	14	56	52
General	164	105	162	118	159	119	155	114
Others (Minority)	120	32	128	53	111	48	48	16

For Hons. and Major

	201	1-2012	2012	2-2013	2013	3-2014	2014-	2015
Categories	Male	Female	Male	Female	Male	Female	Male	Female
SC	68	35	104	81	114	79	125	78
ST	13	06	12	19	18	18	21	14
OBC	20	09			21	06	72	26
General	190	143	258	253	199	188	203	139
Others (Minority)	126	48	114	80	132	56	107	68

For General

24. Details on students enrollment 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	1595	84	Nil	02	1681
Students from other states of India	Nil	Nil	Nil	Nil	Nil
NRI students					
	Nil	Nil	Nil	Nil	Nil
Foreign students					
	Nil	Nil	Nil	Nil	Nil
Total	1595	84	Nil	Nil	1681

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

UG 9.5% PG

G 0%

(Dropout rate for a particular year is calculated by considering the difference between total no. of students admitted and the total no. of students got university registration)

26. Unit Cost of Education

(Unit Cost = total annual recurring expenditure (actual) divided by total

number of students enrolled)

Year	No. of Students enrolled	Recurring expenditure (Rs.)	Unit Cost (Rs.)
2014-2015	2960	23,81,721	804.63

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

Yes	\checkmark	No	

If yes,

a) is it a registered centre for offering distance education programmes of another University

Yes	\checkmark	
-----	--------------	--

No	
----	--

b) Name of the University which has granted such registration

Serial No.	Name of the University	Year of Beginning
1.	Netaji Subhas Open University	1998
2.	Rabindra Bharati University	2010

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Sl.No.	Name of the University	Programme Offered
1.	Netaji Subhas Open University	 UG: Bengali, English, History, Political Science, Sociology, Economics, Public Administration, Physics, Chemistry, Mathematics, Botany, Zoology, Geography, Accountancy Hons. PG: Bengali, English, History, Political Science, Public Administration, Master of Social work, English Language Teaching, Education, Mathematics, Accountancy Diploma: Bachelor of Library & Information Science, Master of Library and Information Science, PG Diploma in Journalism & Mass Communication.
2.	Rabindra Bharati University	PG: English, Bengali, History, Political Science, Sanskrit, Education, Environmental Studies, Geography

c) Number of programmes offered:

d) Programmes carry the recognition of the Distance Education Council

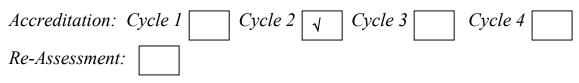
Yes 🗸

No 🗌

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

Course	Subject	Student-Teacher Ratio
UG (Hons.)	Physics	8:1
	Chemistry	10:1
	Mathematics	14.5 : 1
	Botany	7:1
	Zoology	7:1
	Physiology	11:1
	Geography	24.5 : 1
	Economics	10.5 : 1
	English	12.5 : 1
	Bengali	12:1
	Sanskrit	35:1
	History	21:1
	Political Science	21:1
	Philosophy	19:1
UG (Major)	Sericulture	17:1
	Travel & Tourism Management	5:1
PG	Sanskrit	27:1
	Physiology	5:1
	Sericulture	10:1

29. Is the College applying for



(Cycle 1 refers to first accreditation and cycle 2, cycle 3 and cycle 4 refers to reaccreditation)

30. Date of accreditation^{*} (applicable for Cycle 2, Cycle 3,

Cycle 4 and re-assessment only)

Cycle 1 : 08/01/2009 (dd/mm/yyyy) Accreditation Outcome / Result B

Cycle 2:(dd/mm/yyyy) Accreditation Outcome / Result.....

*Cycle 3:(dd/mm/yyyy) Accreditation Outcome / Result..... (*Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure) Annexure II*

31. Number of working days during the last academic year

267

32. Number of teaching days during the last academic year

(Teaching days means days on which lectures were engaged excluding the examination duties)

177

33. Date of establishment of Internal Quality Assurance Cell

(IQAC)

IQAC 19/11/2014..... (*dd/mm/yyyy*)

34. Details regarding submission of Annual quality Assurance

Reports (AQAR) to NAAC

AQAR (i)	17/12/2015(dd/mm/yyyy)	
AQAR (ii)	17/12/2015 (dd/mm/yyyy)	
AQAR (iii)	17/12/2015(dd/mm/yyyy)	
AQAR (iv)	17/12/2015 (dd/mm/yyyy)	

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

- Role of the teaching and non-teaching staff of the college towards its other stakeholders help to create and uphold the environment, be it academic or otherwise, remain obscure as these are not well documented.
- The long pending decisions of the University authority on some crucial issues (eg. 'Uniform Rules' relating to students' union management) pose insurmountable problems in smooth running of the developmental activities of the college.
- College is located in a backward district of W.B. and it is about 200 km away from Kolkata. Developmental work often depends on various external factors and cannot be properly done in time mainly because of the poor communication from the hub of activity, Kolkata.

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

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

Vision of the College:

The college being established in 1853, there exists little in the name of a coherent statement of vision and mission that would answer to the higher education scenario in modern India and ascertain the institution's role within it. However, by collating the will and letters of Raja Krishnath of Cossimbazar, one can deduce the vision of a liberal, secular institution where students from all religions and social communities would be treated at par and given the best available western education in the languages, humanities and modern sciences. This dream has been part of the Raja's endeavour to lift his people out of a medieval caste-based education, into the onward march of the Renaissance of Bengal. Added to this is the Government Indenture that would speak for itself. Together, they spell the mission of imparting the highest quality of education to a backward people in a perfectly democratic and secular atmosphere, reaching out to the most downcast. Vision for the future of this college is to sustain the cultural and educational heritage globally and to make this institution a centre of excellence and an institution of national acclaim. The management, staff and students are committed to do this by heart and soul.

Mission of the College:

- To follow up its glorious tradition of excellent academic, cultural and historical performances, inclusive growth as well as quality assurance with equal opportunities.
- > To ensure and sustain Quality in education.
- To provide value based and value added education with a view to install selfconfidence among the students.
- To inject energy and vigour among our youth and help them to learn, grow and evolve so that their dreams come true.
- > To make our students socially committed and adaptable to global changes.

Objectives of the College:

- > Advancement of learning accompanied by modern teaching aids.
- Provision of need based higher education to cope up with the changing requirements of the society.
- > Attainment of excellence through academics.

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Awareness among students regarding human rights, environment and social responsibilities.

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

The processes of implementation of the curriculum rotate around the objectives of the institution, and it is executed in the following stages.

- In the first stage, the entire faculty and the department, under the guidance of IQAC, Academic Sub-committee, Faculty Council (UG & PG) and Board of studies (UG & PG) frame strategies to develop action plan for the implementation of curriculum as well as schedule of co-curricular and extracurricular activities at the beginning of every academic year.
- In the second stage, every department conducts meetings to assess the progress of syllabus and prepares teaching plans by consulting the Academic Calendar.
- In the third stage faculty developed teaching plans and curriculum are executed with different teaching methodologies in both UG and PG courses. Use of ICT and innovative methods of teaching and learning is encouraged.

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

Support from the University:

- Affiliating University revise syllabus of all the courses of UG level as and when required through UG- BOS (Under Graduate Board of Studies).
- The university provides guidance in the teaching learning aspects of the newly introduced curriculum through workshops and seminars as well as the use of ICT in education.
- Teachers are consulted on academic matters whenever the University takes a new decision. Many of them are members of various Board of Studies of the University (UG & PG level).
- The college has three post graduate Departments. These departments enjoy partial autonomy in implementing choice based credit system (CBCS) in setting question papers, exam. schedule etc. with consultation of the University.

Support from the Institution:

The Institute provides information for participation in Orientation and Refresher Courses for the teachers in order to improve and upgrade themselves academically which in turn becomes beneficial for students.

- The Institute makes available the resources needed for the successful delivery of curriculum e.g. Laboratory equipments, LCD projector, OHP, computer as well as audio-visual facilities.
- The Institute encourages the teachers to organize seminars and to participate in conferences, seminars and workshops organized by other Institutions of Higher Education.
- The faculty members are also encouraged to carry out major/minor research projects under various funding agencies.

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

- Preparation of Academic Calendar as a blueprint for timely and effective coverage of the syllabus
- The institution provides faculty as per the need of the curriculum delivery and also provides learning resources as per the decision of the Academic Subcommittee.
- > Arrangement of Remedial classes for SC, ST and minority students
- Lab-based departments organize special practical session before final practical examination.
- Special tutorial classes for slow-learners
- > Introduction of Choice Based Credit System (CBCS) in PG courses

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

- Some of the eminent Professors, Scientists from different Universities, Industry and Research Institutes of national repute are directly associated with teaching and evaluation processes as Guest faculty.
- Some of the Faculty members are working as co- guide for the guidance of scholars jointly with University Teachers.

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

The list of Board members are as follows-

SL.	NAME	DEPARTMENT	BOARD
NO			
1	Prof. PARTHA PRATIM	ENGLISH	Member, BOS,
	BANERJEE		University of Kalyani
2	Dr. MANABESH	PHYSICS	Member, BOS,
	BHATTACHARYA		University of Kalyani
			and Gour Banga
			University
3	Dr. ABHIJIT BANERJEE	MATHEMATICS	Member, BOS,
			University of Kalyani
4	Dr. AMAL KUMAR SARKAR	BOTANY	Member, BOS,
			University of Kalyani
5	Dr. SANAT KUMAR ROY	ZOOLOGY	Member, BOS,
			University of Kalyani
6	Dr. GOPINATH BAUR	SERICULTURE	Member, BOS,
			University of Kalyani
7	Dr. SANAT KUMAR ROY	SERICULTURE	Member, BOS,
			University of Kalyani
8	Dr. SUSANTA KUMAR	SERICULTURE	Member, BOS,
	CHATTOPADHYAY		University of Kalyani
9	Dr. KHINANSHU SAMANTA	PHYSIOLOGY	Member, BOS,
			University of Kalyani
10	Prof. SANTA	ECONOMICS	Member, BOS,
	CHAKRABORTY(ROY)		University of Kalyani
11	Prof. BRAJO MOHAN	SANSKRIT	Member, BOS,
	MONDAL		University of Kalyani

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

No such courses.

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

- In order to ensure that the stated objectives are achieved a number of modes of assessment through Class Test, Quiz, G.D., Assignments, Projects, Students' Seminars etc. are carried out.
- A formal record of University ranks of different departments and informal departmental records of students' academic achievements in state/national/international level also ensures the stated objectives of the curriculum.
- ➤ A student feedback mechanism is also there to analyze the same.

1.2 Academic Flexibility:

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

The chief motive of our institution is to provide better education to cope with modern world. After the survey of students' growing interest, the institution has taken steps to open Certificate Course in Communicative English and Value Education keeping in mind the importance of English as well as value oriented programme for professional sphere.

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

Since there is no scope to provide twinning/dual degree from our University, the institution is not able to facilitate this.

- 1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability.
 - The college provides core options at the UG Hons. in English, Bengali, History, Philosophy, Sanskrit, Physics, Chemistry, Botany, Zoology, Philosophy, Mathematics, Economics, Geography and UG Major in Sericulture and Tourism

and Travel Management (T.T.M). All of these subjects alongwith Physical education except Sericulture and T.T.M are also available in General Course.

- > Choice Based Credit System has been introduced in the P.G. departments
- > Modular form system in P.G. departments.
- Credit transfer and accumulation facility, lateral and vertical mobility programme are beyond the scope of the Institution.
- The college offers distance learning of PG and UG programmes through Rabindra Bharati University and Netaji Subhas Open University Study Centres.

Subjec	et Combination for differe	ent Honours/Major Courses
UG discipline	Honours/ Major subjects	Subsidiaries (any two)
	English	History, Bengali, Economics/Philosophy, Political science, Sanskrit
	Bengali	Economics/Philosophy, Political science, Sanskrit/English
	Philosophy	History, Bengali, Political science, Sanskrit/English
B.A. (Hons.)	Political science	History, Bengali, Economics/Philosophy, Sanskrit/English
	History	Bengali, Economics/Philosophy, Political science, Sanskrit/English
	Sanskrit	History, Bengali, Philosophy, Political science,
B.A. (Major)	TTM	History, Economics
	Physics	Mathematics, Chemistry
	Chemistry	Physics, Mathematics
B.Sc. (Hons.)	Mathematics	Chemistry, Physics
D.30. (110115.)	Economics	Mathematics/History, Political Science
	Zoology	Botany, Physiology/Chemistry

	Botany	Zoology, Physiology/Chemistry
	Physiology	Zoology, Botany/Chemistry
	Geography	Political science, Economics, Mathematics
B.Sc. (Major)	Sericulture	Botany, Zoology

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

Yes. The college runes two self-financed UG programmes and three self-financed PG programmes.

UG programmes*	PG programmes
1. Sericulture – B.Sc. Major course	1. Sericulture – M.Sc.
2. Tourism and Travel Management (TTM) - B.A.	2. Physiology – M.Sc.
Major course	3. Sanskrit – M.A.

*Physical Education is being taught as a combination subject in the B.A. Course in the Morning section of this college.

Since the self financed programmes are approved by the University there are similarities in certain aspects with the usual University programmes of the college (UG & PG). However, they differ in certain respect of the usual programme also.:

Admission: admission is governed by the University rules as applicable to UG and PG programmes;

Curriculum: The curriculum set by the concerned PG department and the Board of Studies of the University of Kalyani in UG and PG level are followed by the college in all cases.

Subject Combination	Subject Combination for different General Courses		
UG discipline	Subjects		
B.A. General	History/Mathematics, English/Bengali,		
	Economics/Philosophy/Physical Education,		
	Political science, Sanskrit		
B.Sc. (Physical) General	Physics, Chemistry, Mathematics		
B.Sc. (Bio) General	Botany, Zoology, Physiology		
All students must study English, Bengali/Alternative English, Environmental			
Science on compulsory basis			

Fees structure: Fees structure is framed by the teachers of the concern department with the members of the finance committee and Principal of the college, taking into considerations the financial conditions of the students primarily getting admission into the courses. The total fees structure (as fixed by the competent and designated committee) given in the prospectus and in the website also. The fees are generally 20 to 25 percent higher than the usual UG programmes. The fees structure of the PG programmes are fixed by the college authority with the specific advice given by the concern University;

Teacher qualification and salary: The qualification of the concerned teachers are at per The experienced faculty members of the concern departments are compatible in their field. There are no permanent Teachers in the PG departments. The guest personalities are the pride of the concern departments. As per West Bengal Government rules permanent teachers will not be provided in the self financing courses.

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

The college concentrated on the academic advancement for the betterment of the students. UGC guided Remedial coaching classes are arranged for students belonging to SC, ST, and Minority community of all honours courses. The Post Graduate departments motivate the students for NET and SET for research and employment. Sometimes the departments gave advice and necessary information to the students as per their intention and planning to crack different competitive examinations such as School Service Commission Examination, JAM, WBCS, JEST, TIFR, ARC etc.

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

No, there is no such provision under the norms of the University of Kalyani.

1.3 Curriculum Enrichment :

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

The following efforts are made by the college to supplement the University's Curriculum:

Regular basis up gradation of central and departmental library

- Use of different advanced teaching aids
- Special tutorial and remedial classes
- > Seminars, workshops, youth Parliament and quiz contest etc.
- > Field survey, educational tours, projects.
- ➢ Rally and awareness programme
- > Inter and intra college competition
- **1.3.2** What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?
 - Students are constantly encouraged to participate in sports, games, competitions, cultural activities of the college.
 - The N.C.C and N.S.S. wings of the college offer ample opportunity to enhance the students' extracurricular activity.
 - Students' placement and information cell of this college provides information and constant support for competing in different competitive examinations. The cell also helps them during online form fill up process of JAM, TIFR etc.
 - A well equipped Multi-Gym and occasionally arranged Yoga class help in building physical and mental strength of the students.
 - Alumni association of the college arrange seminar regarding job opportunity where ex-students share their experience as resource person.
 - Workshop on Career shaping Programme for UG and PG student, Cost and Management career counseling were arranged.
 - > The faculty members are always encouraged to participate in different refresher and orientation courses on curriculum development and management.

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

Gender: Women's grievance cell gives the information and makes pupils aware of the critical problems faced by the girl students in their daily life. Workshops on gender sensitization are also arranged on regular basis.

Climate Change: Faculty members are encouraged to attend refresher course, symposium on "Disaster Management", "Global Climate Change" organized by different Universities.

Environmental Education:

- The regular basis projects on Environment not only help the students to make themselves aware of the present situation but also the socio-economic backwardness of the district.
- Department of Geography studied about the socio-economic condition of the 'Environmental Refugees' due to severe river bank erosion in the district of

Murshidabad. Awareness generated among the Environmental Refugees about this natural hazard in the region of Gaunj-Singheswari near Ajimgaunj and Bamnabad at Raninagar-2 Block, Murshidabad.

Human Rights:

Institute has organized legal programme on Anti- ragging (For students specially for hostel boarders) and Consumer awareness programme jointly with Consumers' Forum, Berhampore.

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

- The NSS unit of the college has been able to spread out their function by plantation of trees, providing clothing's to the orphans and old age in the district.
- The college conducts UGC Seminars on Swami Vivekananda, competition on the concept of Parliamentary affairs and quiz on the same.
- The records of feedback from the outgoing students show the positive side of the monitoring process for the betterment in future.

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

The parents-teachers meeting and personal interactions between the students and the concern teacher are integral part for enrichment of the curriculum. The superintendents of the hostels are also involved to solve the personal and the academic problems of the students.

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

The Governing Body (GB) and the IQAC are always in touch regarding monitoring and evaluation of the enrichment programmes. The AQAR provides the necessary information to IQAC which in turn helps IQAC to offer its valuable suggestions. The women cell, students' grievance cell, Students' placement and information cell and students' union are also cooped in these matters.

1.4 Feedback System

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

Few teachers of our college are the members of the Board of Studies in different subjects of under graduate levels of the University. They have given valuable

and concrete suggestions on designing and development of the curriculum. Participation of teachers in Curriculum related workshops prepared by the University contribute to the development of the curriculum in different subjects.

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

A formal mechanism of obtaining feedback from the students has been evolved to improve the curriculum. Formal student feedback is taken at the final year when the student has developed their mature opinion about the implementation of the syllabus. Parent feedback is collected during the parent-teacher interface. The feedback system is however read carefully by the Principal and the areas of grievance, if any, with regard to application noted. Principal plays an active role in this regard. The academic matter in the feedback is communicated to the University by the members of the Board of Studies in academic meetings.

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

In 2013 a memorandum of Understanding (MoU) has been signed between the College and the Institute of cost accountants (Statutory body under the act of Parliament) for a new course on Cost Accountancy. A new course of PG Diploma in Journalism and Communication was introduced by our institution through Netaji Subhas Open University (NSOU).

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

Nil

CRITERION II: TEACHING - LEARNING AND EVALUATION

2.1 Student Enrollment and Profile

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

The admission process begins after the publication of 12th standard results in the state, and the college notifies its admission criteria and particulars through its website and notice boards. An admission board for UG Honours Courses and another for UG General Courses are formed with teaching and non-teaching staff members, conveners are selected to each and the Principal stands at the head of each board as chairperson. Declaration of the details of the admission process is done in the website and local print media. For the last two academic sessions admission has happened wholly online, and the whole procedure from receipt of applications to processing and publication of merit lists and admission along them via counselling is openly accessible on the website. The provisional merit list is published online and walled up on college notice boards for public viewing, and a date is fixed for rectification requests. The final merit list is published only after incorporating rectifications and students are admitted after counselling them regarding their choices and preferences. All of these are explained amply both in the website and the college prospectus, which also contains information about course options, fees and other facilities.

Transparency is the keyword of the system, and this has been facilitated by the website. The government and university regulations governing admission are notified in the website and prospectus, along with minimum percentages and admissible relaxations. Rules for preparing merit lists are prepared by the university and the same are notified, and the merit lists are made available for general inspection and complaints. Copies of these are sent simultaneously to the university and higher education department, as well as copies of lists of students admitted through counselling, in general and various reserved quotas. The admission boards regularly monitor the financial dealings through the link bank and conduct the counselling at the time of admission. All stakeholders, including students, may look into the process at any stage and reach its unitary level.

Admission to PG courses is done by the affiliating university which sends a merit list to the college, and the college publishes it in its website before taking in students.

- 2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.
 - (i) Merit: All admission is done on the basis of a merit list prepared in descending order of an effective mark, which is the aggregate of the total of the best five scores in the 10+2 level examination and the score in the subject sought or the allied subject nominated by the university. Only in case of physically challenged candidates is the degree of handicap given

preference over academic merit. Government reservation rules are strictly observed and separate merit lists for candidates in reserved categories are prepared. University guidelines for subject combinations and minimum cut-off percentages are adhered to while preparing merit lists. For candidates having passed the 10+2 level in the preceding two academic sessions, 2% is deducted from the aggregate while calculating the effective mark, as stipulated by the university admission rule. While admission through counselling, candidates applying for more than one subject are allowed to book a seat achieved and check the status of other preferences. Cases of candidates with same effective mark having for a single berth are provisionally done and sent to the University for approval.

- (ii) Common admission test conducted by state agencies and national agencies: No.
 - Combination of merit and entrance test or merit, entrance test and interview: In case of admission to PG programmes, as per government regulation, 60% of seats are reserved to candidates of the home university, and 40% is thrown open to all. A combination of merit and entrance test conducted by the university is used here, and a list of candidates thus prepared is sent to the college for admission to respective subjects.
 - Any other: No.

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

For UG programmes, the minimum percentage of marks required for applying to an Honours course in a subject and general degree courses is stipulated by the university admission rule and that is applicable to all the colleges affiliated to the same university.

Following table shows details regarding the highest percentage and lowest percentage of marks of the students applied for admission in the 1st year of the session 2014-2015. The colleges in comparison are:

KRISHNATH COLLEGE - KNC SRIPAT SINGH COLLEGE - SSC BERHAMPORE GIRLS' COLLEGE - BGC

DEPARTMENT	COLLEGE	HIGHTEST PERCENTAGE	LOWEST PERCENTAGE
PHYSICS	KNC	93.8	63.7
	SSC	93.1	68.8
	BGC	91.0	70.2
CHEMISTRY	KNC	92.7	74.8
	SSC	92.5	71.8
	BGC	87.0	63.0
MATHEMATICS	KNC	90.3	46.5
	SSC	82.2	68.3
	BGC	87.8	72.6
GEOGRAPHY	KNC	94.5	78.0
	SSC	-	-
	BGC	-	-
ECONOMICS	KNC	85.7	53.2
	SSC	58.3	53.2
	BGC	83.4	62.4
ZOOLOGY	KNC	90.5	65.7
	SSC	80.3	56.8
	BGC	84.6	68.6
BOTANY	KNC	88.2	44.7
	SSC	82.5	62.1
	BGC	78.0	63.2
PHYSIOLOGY	KNC	92.2	65.7
	SSC	-	-

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	BGC	88.8	58.6
ENGLISH	KNC	90.3	64.8
	SSC	75.4	56.9
	BGC	94.4	74.4
BENGALI	KNC	88.3	55.2
	SSC	78.1	50.5
	BGC	88.6	51.8
SANSKRIT	KNC	81.8	51.8
	SSC	75.2	58.3
	BGC	86.8	60.0
HISTORY	KNC	86.3	45.2
	SSC	69.3	45.2
	BGC	86.6	41.4
PHILOSOPHY	KNC	80.2	49.2
	SSC	68.5	46.7
	BGC	82.2	56.2
POLITICAL	KNC	69.2	44.0
SCIENCE	SSC	62.4	45.0
	BGC	82.2	51.6
SERICULTURE	KNC	71.2	43.7
	SSC	-	-
	BGC	-	-
TTM	KNC	61.3	40.3
	SSC	-	-
	BGC	76.4	43.8
B SC (GEN)	KNC	83.0	39.2
	SSC	65.4	45.6

	BGC	79.6	52.4
B A (GEN)	KNC	92.0	30.0
	SSC	54.1	50.9
	DCC	04.0	22.0
	BGC	84.2	32.0

For PG programmes, all students securing 40% marks in the UG honours course apply and the university prepares merit lists on the basis of marks secured at the UG level.

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

Yes, the college reviews and discusses possible improvements in the admission process and student facilities at the commencement of each academic session. This is done by the departments severally, by the academic sub-committee comprising of heads of departments and the Principal, and by the Teachers' Council which forms the new admission boards and takes the counsel of the previous ones. Resulting recommendations are sent up to the Principal and the Governing Body.

Such yearly reviews are done to understand the changing needs of the student community and find ways to make admissions easy, hassle-free and offer maximum flexibility. Out of these reviews have evolved the counselling system during admission and the booking of options, the opening out of the provisional merit list for rectification by candidates, the inclusion of student helpers and helpdesks in the counselling process, the online application system with a linking bank, the re-ordering of subjects in the counselling schedule, and an integrated system of admission, enrolment, identification and library membership through a single software.

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

The college does not have freedom to frame its own admission policy or regulate access for any category of students, being guided by government and university regulations in these regards. However other measures aimed at facilitating various sections of the community have been taken.

• Access to students of various categories during admission is regulated by government rules which specify reservation of seats in the following percentages:

SC	ST	OBC-A	OBC-B	PH	Sports Quota
22%	6%	10%	7%	3%	1 in each subject

- Women- women's refreshment room, women's cell, grievance redressal cell for gender issues.
- Differently abled scholarships, ramps, admission reservations, fee concessions.
- Economically weaker sections: fee concessions, book bank, scholarships, endowment awards.
- Minority community: As admissible for OBC-A and OBC-B
- Any other: No.
- 2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Programmes	Number of applications	Number of students admitted	Demand Ratio
UG 1 2012-13 2 2013-14 3 2014-15	6191 7832 9959	1234 1325 1748	5:1 6:1 6:1
PG 1 2012-13 2 2013-14 3 2014-15	69 63 60	69 63 60	1:1 1:1 1:1

2.2 Catering to Student Diversity

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

Differently abled students are admitted through a special merit list prepared along government guidelines. Thereafter they are informed and helped to apply for the various scholarships and stipends available for them. Their life on campus is aided by specially constructed ramps and wheelchairs. An arrangement with the Students' Health Home enables students to get cheap treatment if they so wish.

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

The college is bound by admission rules framed by the government and university and as such is unable to test students' needs before commencement of courses. However this is done by departments soon after classes begin through periodical tests and personal counseling by teachers, upon which the need of remedial classes is determined.

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

The departments arrange remedial classes for students falling back in the regular programmes on as-and-when-necessary basis, after identifying such students through internal tests. The college is shortly about to introduce an add-on course in English communications to help students in their higher studies and job situations.

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

The college has a Grievance Redressal Cell and a Women's Cell that work round the year to address issues and problems related to gender and coordination of various stakeholders. These take in complaints and suggestions and solve them with administrative help and undertake sensitization programmes on gender and other issues like laws on sexual violence, women's rights and protective laws. Along with these, there is a student-teacher coordination committee and hostel committee to tackle administrative problems and student unrest and grievances. The IQAC also undertakes programmes from time to time to sensitize staff and students on general issues like environment, international patent rights and consumer rights.

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

Advanced learners are identified through internal tests held by departments and provided additional material from departmental libraries. They are also counseled on various online learning resources and guided personally by teachers to use library material. Teachers also take roles in directing students to national level competitive examinations like the JAM and the Math Olympiad. Financial help is extended personally by teachers to needy students entering higher education, and by the teachers' council.

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

Information and indices of students falling behind the average is drawn out of attendance records and internal assessments conducted by the departments, and then periodically discussed by the academic sub-committee. The measures taken thereafter to keep them in the stream are as follows:

- i) Personal counseling by teachers to understand problems
- ii) Waiving of fees
- iii) Remedial classes or counseling
- iv) Counseling the family through teachers meeting guardians
- v) Guidance to scholarships or stipends through career counseling cell.

2.3 Teaching-Learning Process

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

The college has an academic calendar which is printed in the college prospectus and walled up at the beginning of each session, and it contains holidays, tentative examination schedules, days the college observes, and the class schedules.

Teaching plans set into modules and with names of teachers of each module is prepared by the departments and provided to students at the onset of each session.

There exists no evaluation blueprint since evaluation happens at the end of each session through university examinations that are duly notified by university authorities. Apart from these, departments conduct internal assessments at the opening of each session and at the completion of modules, records of which are discussed in the academic sub-committee.

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

The IQAC receives student data and profiles, and channels the recommendations of the academic sub-committee along with its own suggestions to the Principal and Governing Body. It also holds seminars/workshops on issues relevant to social and career awareness of learners. It has been consulting departments to develop suggestions on improving teaching aids like computers, projectors and smart classrooms, some of which have been implemented. The IQAC also recommends teachers to upliftment programmes like Refresher and Orientation courses.

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

Efforts to make learning student-centric are dependent on use of user-friendly technology, and the college has provided access to the internet for students and membership of NLIST-INFLIBNET in the library. ICT enabled classrooms are another measure in this direction. Interactive learning is encouraged by field trainings in Economics and Geography, and educational excursions in the departments of Botany, Zoology, Geography and Physiology. The English department periodically organizes film shows related to curricula for students. Extension activity within curricula, like health camps run by students of Physiology, and outside curricula like NSS activity also promote student-centric learning. Use of departmental seminar libraries is open to students and organization of student seminars happen frequently.

The college provides technological upgradation and support for these activities as and when available.

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

The Autonomous Students' Union, elected democratically each year, contains Magazine, Science and Culture, Sports, and Aid Fund sub-committees, comprising of class representatives. These sub-committees work to hold student-centric seminars, debates, international language day celebrations, science lectures etc. under the guidance of teachers in charge of these subcommittees, apart from publishing an annual magazine and departmental wall magazines. Students are taken to participate each year to Youth Parliaments held by the State Government, to inter-college debates and cultural competitions. Creative talents are given vent in annual social programmes, freshers' welcome programmes, and various observed days like the Krishnath

Day, Swarnamoyee day and Tagore's birthday. Students with singing and other talents are sent to university competitions whenever these happen, science exhibitions are arranged and students are invited to present papers and posters in any seminar organized by the college.

2.3.4 What are the technologies and facilities available and used by the faculty for effective teaching? E.g.: 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.

Such technological resources include computers with internet facility, a smart classroom, overhead LCD projectors and a membership of INFLIBNET-NLIST for students and staff.

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

Expert lectures and seminars are frequent in PG departments to acquaint students with advancements and new frontiers in their respective subjects, while seminars and invited lectures of a more general nature are held whenever possible for UG students on themes like parliamentary reforms or consumer rights. Both students and faculty participate in these. Also the use of internet and subscription to online and print journals in PG departments helps teachers and students to update themselves.

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

There are several committees and cells to provide academic and personal support to students:

- A student-teacher co-ordination committee to deal with problems faced by students in general on the campus.
- A grievance redressal cell to process and take corrective measures on complaints come from any student or staff member through the feedback and complaint collection boxes.
- A women's cell to discuss and redress problems and needs faced by women on campus.
- A career counseling cell that provides information on job opportunities and arranges professional counseling and recruitment programmes on campus.
- A primary healthcare unit has been set up in the campus to provide initial support to the sick and disabled.

Apart from these, teachers of respective departments extend their academic and career guidance through student counseling.

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

Innovative measures adopted in teaching in recent years are as follows:

- Use of white boards in classrooms.
- Use of ICT in teaching, especially in the sciences.
- Provision of online resource through NLIST-INFLIBNET.
- Division of curricula into 3 modules and assessment on modular basis.
- Film shows by the department of English on curricular material.
- Use of GPS by the department of geography in field survey and mapping.

The college allocates funds for buying modern instrumental aids in teaching and provides monetary support for field visits and excursions. The reception and impact of any teaching innovation is reviewed by the departments and the academic sub-committee at the end of modules and the session, and reports and suggestions are sent to the IQAC.

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

Books, both text and reference, are handpicked from the central library by teachers for use in the departmental libraries, bibliographies are provided with teaching modules and books are suggested for reading from the library loan and reference sections, and journals and electronic resources like CDs and DVDs are stocked for use in classrooms. The library has recently adopted institutional membership of INFLIBNET-NLIST which has enabled teachers and students to access electronic academic journals. The library catalogues are fast being computerized and once it is complete, it will be thrown open for general use. Use of online journals in departments is on the cards.

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

Yes, the college faces several challenges in completing its curriculum within its schedule. The foremost among these is the occupation of the college premises by government authorities for several purposes like flood time shelter, general elections etc. Also there are the varying examination schedules of the university, and the shortage of classrooms due to long occupation by the university as distribution centre of answer scripts. There are also student unrests and strikes, both student and general, hampering regularity of curricula.

In most of these cases, the college has no mode of overcoming since the occupations and seizures are mandatory, and their sources are external to the college. In recent times, disturbances of law and order by external agents and intervention by civic authorities have resulted in large losses of working time.

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

This is done through the analysis and discussion of internal assessments and results of university examinations by the academic sub-committee and the IQAC, which then discuss with concerned departments ways of improvement. Also, the student feedbacks are used to understand responses and impacts of the teaching.

2.4 Teacher Quality

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

Highest	Professor		Associate		Assistant		Total
qualification			Prof	Professor		Professor	
	Male	Female	Male	Female	Male	Female	
Permanent Teach	iers						
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph. D.	-	-	14	03	06	05	28
M.Phil	-	-	00	01	02	03	06
PG	-	-	01	00	11	03	15
Temporary teach	ers					•	
Ph. D.	-	-	-		09	00	09
M.Phil	-	-			00	01	01
PG	-	-			16	07	23
Part-time teachers							
Ph. D.	-	-			01	01	02
M.Phil	-	-			00	00	00
PG	-	-			07	08	15

The college has no hand in recruitment or retention of full-time teachers who are appointed on recommendation by the State College Service Commission. The IQAC only prepares their promotional schemes in line with government policies. In the PG departments, part-time and guest teachers and visiting faculty are appointed on temporary basis as recommended by the concerned department.

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

There is no scope for the institution to recruit qualified senior faculty in the UG programmes, since all appointment here is done by the college service commission. In the PG departments, senior faculty are appointed on temporary lecture basis on the recommendation from full-time teachers in the department to teach specialized areas of the curriculum.

Four(4) teachers in Physiology, ten(10) in Sericulture and nine(9) in Sanskrit PG departments have been appointed on part-time basis in the last three academic sessions.

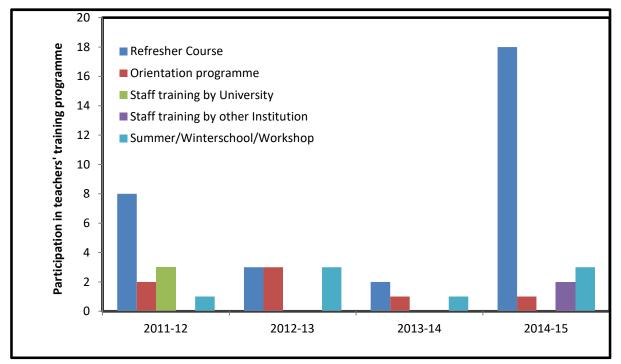
2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

The college recommends through its IQAC the applications of teachers seeking orientation and refresher courses and workshops. The IQAC also recommends participation in such programmes to teacher incumbents.

Academic Staff Development programmes (2011-2015)	No. of faculty nominated
Refresher courses	31
HRD programmes	00
Orientation programmes	07
Staff training conducted by the university	03
Staff training conducted by other Institutions	02
Summer/Winter Schools, Workshops etc	08

a) Nomination to staff development programmes

The following diagram displays participation of teachers in staff development Programmes



- b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teachinglearning
- **π** Teaching learning methods/approaches
- **The Handling new curriculum**
- **v** Content/knowledge management
- **w** Selection, development and use of enrichment materials
- **ω** Assessment
- **σ** Cross cutting issues
- **π** Audio Visual Aids/multimedia
- ත OER's
- **π** Teaching learning material development, selection and use

college empowered The is to training not run any such and responsibility programme for faculty the solely its lies with the academic staff colleges of universities.



c) Percentage of faculty

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

participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies

presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies

participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies

presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies

Percentage of facult	y mombors in	workshops	aminara	conformede
<u>I ci centage of facult</u>	y members m	wui Ksiiups	5/ SCIIIIIAI S/	conter ences

	2014-2015	2013-2014	2012-2013	2011-2012
Resource persons in Workshops / Seminars / Conferences organized by external professional agencies	37%	34%	40%	30%
Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies	46.50%	41%	48%	61.50%
Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies	55%	49%	51%	57%

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

The IQAC processes and recommends applications by full-time teachers for research grants to the UGC, DSE and other bodies. Study leaves, if granted by the UGC, are recommended by the IQAC and permitted by the college governing body. The IQAC assists teachers in participating in professional improvement courses like Refresher and Orientation courses, summer and winter courses, workshops etc.

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

No such award has been received by any teacher as yet.

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

The college has a student feedback system in place in addition to 'complaint and suggestion' boxes strewn across the campus. The student feedback is taken in printed forms at the end of each session, and sometimes mid-session, and discussed in the academic sub-committee before sending in observations and suggested steps to the governing body, Principal or department as necessitated. The students' evaluation of teachers is divided into several criteria which includes teaching, punctuality, discipline, extra-curricular participation etc. and a teacher is assessed by the cumulative results of the feedback by several batches. However, no system of award or punishment is attached to this feedback mechanism, which is solely in the interest of academic improvement.

No mechanism of teachers' evaluation by external peers has been evolved yet.

2.5 Evaluation Process and Reforms

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

The evaluation process is two-tiered: one, the university examinations coming at the end of each academic session and for each batch of students; two, the

internal assessment of the departments working throughout the year and especially at the termination of study modules and units. The first is published tentatively in the academic calendar for the session printed in the prospectus, subject to notification by the university, and also uploaded to the college and university websites. The second is a more flexible and continuous process run by the departments, and is notified to students by heads of the departments in the departmental notice boards. Also, an outline of the internal assessments to be held at the ends of teaching modules is given in the academic calendar.

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

Evaluation reforms by the university are mandatory for the college, whether they pertain to schedules, examination modes or anything else, and therefore adopting them is not a matter of choice. The college has to adopt and reject evaluation processes toeing in with the university, and can only retain or innovate in areas unrelated to term-end university examinations. This leaves narrow space for reform. However, the college has retained the system of three unit tests at three nodal points of the session, once introduced and withdrawn by the university as part of the annual evaluation, and kept it as an useful index of both student progression and curricular progress, as well as a kind of feedback given to the student on his/her mid-session status.

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

Evaluation reforms of the university are accompanied by elaborate instructions to examinees, examiners and other personnel conducting the examination. The Principal forms an examination committee for the session which gets conversant with the reforms well in advance and accordingly intimates invigilators and other personnel engaged with the examination system. Police help is sought and regularly received as precaution against undesirable situations. The Principal remains in live contact with the Controller of Examinations and tackles untoward situations as advised by the university. On the date of commencement of an examination where a major reform has been introduced, the examination committee explains to examinees and their guardians the modalities well before the examination begins.

In case of evaluations by the college, reforms are chiefly modal changes like a written test instead of an evaluative student seminar, or a project or a paper prepared over a term. These are easily explained to students beforehand by teachers, and no external aid has ever been necessary to implement them.

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

The system of formative assessment is in place through the internal assessment held at the end of each teaching module. It is accompanied by counseling and oral testing by the departments, and students are advised and provided means of improvement. Such means come in the form of discussion over checked answer scripts, career suggestions from the career counseling cell, and study material and remedial coaching.

Summative assessment happens in the form of term-end university examinations, the results of which are preserved by the college and displayed for students. Since students regularly achieve ranks in university examinations, such display helps formatively.

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

- The affiliating university had run an internal assessment system for Honours papers in each subject till 2013. This happened in the form of three written tests set by the departments and the marks were sent to the university for incorporation in the final university mark sheets. After its withdrawal, the college has continued the written testing and placed it at the ends of teaching modules. The results of these are considered for each candidate when they appear for the qualifying test to university examinations.
- Papers for internal assessment are prepared with proper secrecy and invigilation during the test is done with earnestness.
- Assessment records are analyzed by teachers in the department to identify learner's problems.
- Attendance record of each student, general conduct on campus and classroom response are taken into account besides results of written tests during internal assessment, with a total of 20 marks divided into the following weightages: written test: 15, attendance: 2, conduct: 2, response:1.
- Transparency is the keyword of the system as assessment results are displayed on departmental notice boards, scripts discussed with students to suggest ways of improvement, and other weightages are given on the basis of feedback from teachers.
- ➢ No weightage is assigned to computer skills as yet in the internal assessment system, but many students enroll in the computer centre run by the Techno India group on campus and avail of courses at concessional rates. The college is planning to inaugurate a short course

in English communications for providing students an edge in job situations.

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

The affiliating university specifies 40% marks in the Honours subject, 30% marks in the General subjects, 15% marks in the compulsory languages and 30% in Environmental Studies with a minimum of 60% attendance as graduate attributes.

The college attempts to ensure 75% attendance through notifications to students at the commencement of classes, after the first month and at the end of the session before students qualify for the university examination. Students falling short of the desired percentage of attendance after the first month are notified and asked to show cause of absence, and if they fail to furnish sufficient cause of absence their names are struck off the rolls. Candidates falling short of the university-stipulated attendance level are made to pay a fine in addition to achieving the cut-off level to sit for the examination, and if they fail to achieve even the cut-off they are disallowed.

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

Grievances related to evaluation at university examinations are addressed by the provision of review of examined papers. Half of the papers in one subject may be reviewed provided the score in the other half is 50% or above, and in case of single papers it can be reviewed. The other provision is that an examinee may seek to personally check his/her answer script under the Right to Information Act, which the university arranges at a stipulated date and time at its own premises. The examinee may then submit his/her grievance in writing to the university authority, and the grievances are judged and given weightage while re-examining the script.

At the college level, grievances in writing may be submitted to the head of a department or to the Principal, and sent to the academic sub-committee for redressal. However in practice, they are taken straight to the head or concerned teacher in the department and resolved through personal sitting and discussion between the student and teacher.

2.6. Student performance and Learning Outcomes

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

The mission of the college as stated in the criterion I reflects the intended learning outcomes of the college. However with the passage of time the

outcomes are modified with respect to social and professional needs. The prime aim is to produce responsible, sensible and socially conscious citizens through imparting value added education. The college aims to foster in its students a thirst for knowledge and a commitment to use learning for the benefit of society.

Awareness about such intended learning outcome is stated in the college prospectus and imparted verbally to new entrants by the teachers of respective departments at the commencement of the course. It is also focused in meetings with parents and alumni, who significantly help in aiding such outcomes.

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

The college runs a system of internal assessment through written tests besides other oral forms of assessment at least three times within a session, especially at the end of each teaching module. The results of these assessments are charted to monitor and understand trends in student turnout, academic performance, proper assimilation of modules or necessity of remedial classes on them, and needs to modify teaching modes and use of teaching aids. This is done by the academic sub-committee and the results and experiences are sent to the departments, IQAC and the Governing Body if necessary.

Department		Y E A R			
	2012	2013	2014	2015	
Physics(H)	96.55	97.14	87.09	100.00	
Chemistry(H)	88.90	87.87	85.18	96.55	
Mathematics(H)	69.23	82.85	97.72	91.17	
Botany(H)	88.90	73.33	88.23	100.00	
Zoology(H)	100.00	89.47	65.38	100.00	
Physiology(H)	70.00	77.77	90.00	86.66	
Sericulture(V)	80.00	85.71	86.66	61.11	
Economics(H)	90.90	75.00	66.66	100.00	

The following tables shows the pass percentages and ranks in University examinations of student of respective departments during 2012-2015.

Geography(H)	97.39	90.47	97.14	92.30
English(H)	94.73	78.37	74.28	84.37
Bengali(H)	100.00	90.90	87.50	93.94
Sanskrit(H)	96.30	82.92	79.41	90.47
History(H)	94.90	85.36	92.85	78.57
Political Science(H)	92.00	77.50	78.57	68.18
Philosophy(H)	84.85	57.70	57.14	55.55
TTM(V)	43.75	33.33	100.00	50.00
B A (Gen)	78.00	50.63	65.21	52.17
B Sc (Phy)	86.36	88.88	85.71	64.70
B Sc (Bio)	100.00	80.00	61.54	87.50

Department	UNIVERSITY RANKS IN			
	2012	2013	2014	2015
Physics(H)	1st	1 st	2 nd	$1^{st}, 2^{nd}$
Chemistry(H)	$1^{\text{st}}, 3^{\text{rd}}(2)$	$1^{st}, 2^{nd}$	$2^{nd}, 3^{rd}$	
Mathematics(H)	1 st ,2 nd ,3 rd	$2^{nd}, 3^{rd}$	2 nd	2 nd
Botany(H)	3 rd	$2^{nd}, 3^{rd}$	3 rd	3 rd
Zoology(H)	3 rd	1 st	2 nd	1 st ,3 rd
Physiology(H)		1 st	2 nd	
Economics(H)			2 nd	1st
Geography(H)	3rd	1 st		
English(H)		2 nd	1^{st}	
Bengali(H)	1st			
Sanskrit(H)			1 st ,2 nd	2 nd
History(H)	3 rd	1st		2 nd
Political Science(H)	1 st , 3 rd		$2^{nd}, 3^{rd}$	
Philosophy(H)			3 rd	

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

In teaching, emphasis is laid on inculcation of values and understanding of one's surroundings and society, especially in the social sciences and humanities. In the material sciences, research and independent thinking is

encouraged through student projects and field surveys or excursions. Whenever possible, as in physiology, students participate in outreach activity like health checks of the community. The NCC and NSS units are actively engaged in beneficial social activity that reflects the intended learning outcomes.

Assessment of academic progress is one aspect of judging the achievement of learning outcomes, done through tests conducted by the departments and university examinations. These are periodically discussed in the academic sub-committee and the IQAC. Student feedbacks received at the end of each session, and the meetings with the alumni help to judge the progress of campus experience and the situation of students after graduation from the college. Co-curricular activity like student debates, sports and participation in fine arts and prizes awarded for them are also a measure of the success of the learning outcomes desired.

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

The college has been endeavoring to streamline its courses and enhance their socio-economic relevance, but since both Honours and General courses are designed by the university and the college has no hand in them, scopes to change them is little. However the career counseling cell periodically arranges student recruitment or professional counseling by agencies that contact the college. Self-financed courses like tourism and travel management, sericulture (UG & PG), are closely linked to the industries and include on-job trainings and professionals from the industry as part-time faculty. Several teachers and students have undergone a workshop on entrepreneurship recently and are imparting the acquired knowledge to hone these courses. The college NSS unit has been working on an adopted village and has taken students to an orphanage recently to create a social bond and donate clothes to orphans. Innovative thinking is fostered through field surveys, excursions in economics, geography, botany and zoology, research is encouraged through community health studies by students of physiology. The NCC and NSS units conduct various outreach programmes through which students realize the social implications and significances of their courses.

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

The results of periodical internal assessments of students are collected from the departments and analyzed at the end of each teaching module. Teachers identify slow learners and their problems on the basis of test results,

performance in the classroom and personal counseling. Student performance is also assessed through attendance records in class and co-curricular activity. At the end of the session, results of the university examinations are taken as indicators of performance.

Such data are discussed by the departments and placed with the academic sub-committee, which assesses the needs for remedial teaching or provision of extra learning material and makes possible arrangements. Teachers also suggest requirements and plans based on their teaching experiences, and these are reviewed by the sub-committee and, if necessary, the IQAC. When the necessary change implies a major change of policy or employing new instruments, suggestions are sent to the Governing Body.

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

The results of all internal assessments and university examinations are gathered by the academic sub-committee and discussed in mid-term and at the end of sessions. Ways of improvement and restoring the students fallen back are decided upon in consultation with the departments. Suggestions of qualitative changes to be centrally implemented are sent up to the IQAC and the Principal. The achievement of learning outcome is measured by feedback from alumni and industrial institutions also. These feedbacks are processed by the IQAC and used in devising future courses of action.

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

Yes, the college uses evaluation results as indicators of student performance and signals of how effective the course objectives and modes of teaching are. The internal evaluations are done with the intention of assessing how much the students are responding to teaching modules, whether they need to be refashioned, shortened or lengthened or repeated in some other mode, and to identify which of the students are falling back. The academic sub-committee analyses the evaluation outcomes and makes mid-term suggestions to departments. Students are counseled by respective departments and prescribed ways to catch up.

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

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The college wishes to use more advanced modes of teaching like econferencing, the use of online libraries etc. and to enter collaborative teaching programmes with other institutions of repute.

To make learning more student-centric, the college aims to set up more ICT enabled classrooms and a permanent students' counseling centre.

In matters of evaluation and feedback, the college seeks closer links with its alumni association to devise a system of long-term assessment of its own mission.

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CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

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

College has no recognized research centre of the affiliating university. Many teachers of both Post Graduate and Under Graduate departments are involved in active research work. There are considerable number of major and minor research projects sponsored by UGC and other funding agencies.

Dr. Krishnakali Basu Ray, Associate Professor in Physics and Dr. Shyamal Kanti

Das, Associate Professor in Physiology, each has one PhD student registered under University of Calcutta and Kalyani University respectively.

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

Yes, the College has a Research Committee formed representing both the Arts and Science streams, whose composition is as follows:

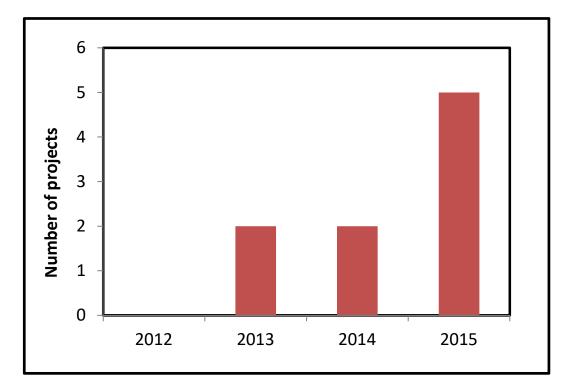
- i. Dr. Sujata Bagchi Banerjee, Principal, K. N. College
- ii. Prof. Pradip Ranjan Chakraborty, Associate Prof., Dept. of Economics, Berhampore College, Berhampore.
- iii. Dr. Manabesh Bhattacharya, Associate Professor, Dept. of Physics, K. N. C.
- iv. Prof. Santa Chakraborty, Associate Professor, Dept. of Economics, K. N. C.
- v. Dr. Sanat Kumar Ray, Associate Professor, Dept. of Zoology. K. N. C.
- vi. Dr. Krishnakali Basu Roy, Associate Professor, Dept. of Physics, K. N. C.
- vii. Dr. Safalla Kr. Ghosh, Associate Professor, Dept. of Chemistry, K. N. C.

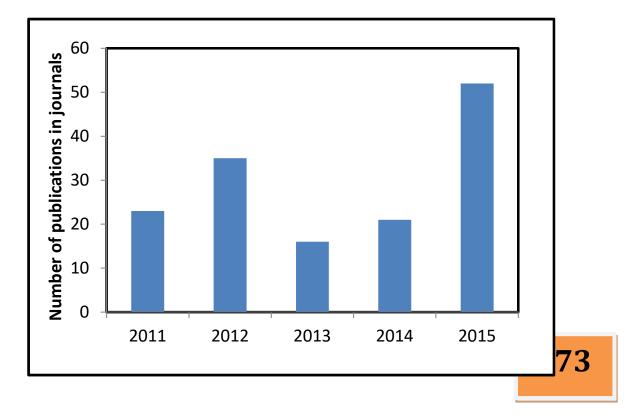
Recommendations:

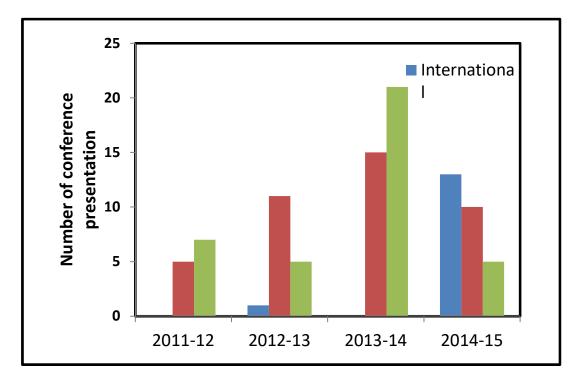
- To inform and motivate the faculty members, particularly the newer ones, to prepare and submit research proposals under different funding agencies.
- To assure full-fledged administrative help necessary for submitting the proposals if required.
- To provide infrastructural facilities to the P. I. as and when required.
- To urge the faculty members to take-up the 'problem areas' for their research project that may have impacts on the local issues. This has been done to make a contribution of the college teachers towards the local stakeholders of the institutions.

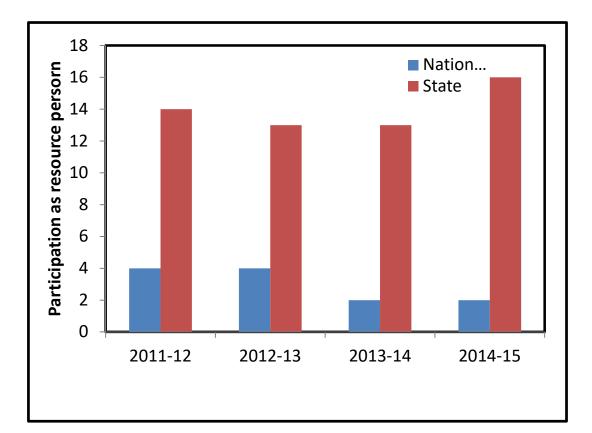
Impact:

- Number of approved minor and major research project has been significantly increased.
- New equipments and instruments have been purchased under project grants.
- Participation and research paper presentation (oral/poster) in seminars/conferences has been enhanced.
- Number of publications in different peer-reviewed journals has considerably been increased.
- > Three minor research projects on the local issues have been undertaken.









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

<u>Autonomy to the principal investigator:</u>

- The Principal investigators (P.I.) enjoys complete freedom to plan and structure his project.
- P.I.s are also allowed to utilize the project grant for purchasing books, instruments etc. and/or to meet other expenses as per his own choice.

Timely availability or release of resources:

College authority always ensures the timely disbursement of sanctioned grants to the P.I.s as and when required.

Adequate infrastructure and human resources:

- Adequate space and necessary instruments are made available by the concerned departments as far as practicable.
- > Institute provides human resources as per its best level of availability.

Time-off, reduced teaching load, special leave etc. to teachers:

- Study leave is sanctioned to the faculty under willing to undergo Faculty Development Programme (FDP)
- > Authority sanctions eight week study leave to complete Ph. D work.
- Duty leave is sanctioned to enable teachers to participate/present papers in different seminars, conferences, workshops, refresher's course, orientation programme, short term courses etc.

Support in terms of technology and information needs:

- > 24 hrs broadband and Wi-fi Internet facility
- > Computers and laptops for all departments.
- > Instrumental facilities and Library help are taken from other Institutes

Facilitate timely auditing and submission of utilization certificate to the funding authorities:

Authority fully assists the P.I.s for timely submission of Utilization certificate to the funding authorities.

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

The efforts that have been taken by the institute in developing scientific temper and research culture and aptitude among students are listed below:

- > PG students submit duly supervised dissertations.
- Post Graduate students (Physiology, Sericulture, and Sanskrit) have to perform project work and have to present compulsory papers on recent advances on the topics they are going through.
- Sanskrit department publishes one Journal per year (ISSN 2319-9415)
- > Each department publishes departmental wall magazine every year.

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

- Teachers of the departments of Chemistry, Physiology, Botany, Zoology, Sericulture, Geography and Economics supervise Ist Year Hons. Students for their project work on environmental studies as a part of their curriculum.
- Post graduate students of Physiology, Sericulture and Sanskrit carry out project work as part of the syllabus under the guidance of teachers of the respective departments.
- List of completed and ongoing research project are given below

Name of the Teacher	Department	UGC- Plan
Dr. K. Basu Day (Ca. DI)	Dhysias	Maion project funded by
Dr. K. Basu Roy (Co-PI)	Physics	Major project funded by DST (2010 – 2013)
Prof. A.K. Biswas	History	XI th Plan (2012 – 2013)
Prof. R. Chakrabarty	History	XI th Plan (2012 – 2013)
Dr. T. Dhar	Philosophy	XI th Plan (2012 – 2013)

Completed MRP by Faculty Members

Ongoing MRP by Faculty Members

Department	Name of	Dur	ation	Title of the project	Name of
•	Principal investigator	From	То		the funding agency
Bengali	Dr. S. Bagchi Banerjee	2014	Contd.	Comparative study Indo- Bangadesh Bengali literature written on Partition and migration problems: Present perspective	UGC
Chemistry	Dr. B. Banerjee	2013	Contd.	Effects of some herbal products on Rat hemidiaphragm as an alternative to Salbutamol	UGC
	Dr. A. De	2015	Contd.	Study of Sol-Gel derived novel ternary TCO nano powders	UGC
Mathematic s	Dr. A. Banerjee	2015	Contd.	Study of some quantum Hamiltonian in the framework of biocomplex algebra and their extension to non- Hamiltonian system	UGC
Botany	Dr. B. Bandyopadhyay	2014	Contd.	Inventorization of sacred groves in the district of Murshidabad	WBBB
	Dr. A. K. Sarkar	2015	Contd.	Studies on Mangroves and their ecological impacts on the Estuarine Ecosystem of Sunderbans, W.B.	UGC
	Dr. D. Haldar	2015	Contd.	Diversity of Dematacious hyphomycetes from Murshidabad district, W.B.	UGC
Economics	Dr. A. Ghosh	2015	Contd.	Growths and prospects of Agro-processing Industry: A study on W.B.	UGC
Geography	Dr. S. Ghosh	2013	Contd.	The changing river courses and its impact on human society in Murshidabad, W.B.	UGC

Department	Name of	Title of the project	Name of	Name of	Registration
	Principal		the funding	student	
	investigator		agency		
	and Co-PI				
Physics	Dr. K. Basu	Longitudinal and	DST	Sourav	University of
	Roy (Co-PI)	latitudinal variability		Mazumdar	Calcutta
		of GNSS			
		scintillations in the			
		equatorial anomaly			
		of the Indian zone			
Physiology	Dr. Shyamal	Effect of green tea	Self	Soumendra	University of
	Kanti Das	leaf extract and		nath	Kalyani
		calcium chloride as		Karmakar	
		castrative agent on			
		male reproductive			
		system in albino rat			
		model			

Details of the research projects undertaken by faculty members for guiding Ph. D. Students

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

Sr.	Programme	Organizer	Date	Торіс
No.				
1	Workshop for	K. N. College	23/02/2010	Implementation of UGC
	Teachers of			curriculum on
	UG college of			Environmental Studies
	Murshidabad			(Compulsory paper) at UG
	under KU			level
2.	Workshop	Red Ribbon club and	26/02/2010	Safe Blood
		NSS unit of K. N.		
		College		
3	Legal	K. N. College	10/08/2010	Anti Ragging (For students
	Programme			specially for hostel
				boarders)
4	State level	Department of	23-24 August,	Understanding Swami
	seminar	Philosophy and Pol.	2013	Vivekananda in
		Science, K. N. College		contemporary perspective.
5	Workshop	K. N. College	23/12/2013	Cost and Management

				career counseling
6	Sensitization	K. N. College and	18/11/2014	Career shaping
	programmes	Console Management		Programme for UG and
		consultant Pvt. Ltd.		PG student
7	UGC	Department of Pol.	07/09/2013	Indo-Bangladesh
	sponsored	Science and History, K.	and	Relations: Issues, Problems
	National	N. College	08/09/2013	and Recent Developments.
	seminar			
8	UGC	Department of History,	06/09/2013	Murshidabad- a locality to
	sponsored	K. N. College		nation.
	state level			
	seminar			

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

The prioritized research areas and the expertise of the faculties of this Institution are furnished below -

Department	Name	Prioritized research areas and the
		expertise
Bengali	Dr. Sujata Bagchi Banerjee	1.Rabindranath Tagore's translation of his own writings2.Partition literature
	Dr. Mausumi Bandyopadhyay	
	Dr. Madhuri Biswas	Style of novel and literature
	Dr. Sanat Goswami	
	Prof. Partha Banerjee	
English	Dr. Barnali Mukherjee	The evolution of Meredith's New Woman: A counter world of Victorian fiction
	Dr. Suparna Banerjee	Canadian literature, Women's Studies, Speculative fiction, English Language Teaching (ELT) and linguistics
Sanskrit	Prof. Tania Sikder	
History	Prof. Alok Kr. Biswas	Artisans and Cottage Industry
	Prof Arindam Mandal	Refugee problem
Political Science	Dr. Mizanul Hoque	Indian political thought and movement and comparative politics
	Prof. Subhajit Ghosh	Foreign policy, International area

		studies, Indian political thought, Security		
		issues, Peace studies		
	Prof. Ananya Chakraborty	Political sociology, International relations		
	Prof. Chandrima Sen	Indian political thought		
Philosophy	Prof. Rinku Bakshi	Analytical philosophy		
	Prof. Goutam Ghosh	Comparative study of the philosophy of Rabindranath Tagore and Buddhism		
Geography	Dr. Sanatan Ghosh	Environmental geomorphology – sustainable land resource management, River bank erosion		
	Prof. Uttam Sardar	Changes of land use /cover and land capability		
Economics	Prof. Santa Chakraborty	Female empowerment through work participation in rural areas in India		
	Dr. Debasis Mallik	Population and rural development		
	Dr. Arnab Ghosh	Agriculture economics and rural development		
Mathematics	Dr. Abhijit Banerjee	Mathematical physics		
	Prof. Rajib Mukherjee	Complex analysis		
	Prof. Anuprava Biswas	Fluid mechanics and bio-mathematics		
Physics	Dr. Manabesh Bhattacharya	Thermo luminescence		
	Dr. Krishnakali Basu Ray	Space science (Ionospheric physics) and satellite communication		
	Prof. Basir Ahmed Khan	Quantum mechanical dynamics		
	Prof. Samarendranath Saha	Critical exponent study and magnetocaloric effect of heusler alloya		
	Prof. Anirban Roychoudhury	Multifunctional magnetic-fluorescent nanocomposites.		
	Prof. Sourav Mazumdar	Study of ionospheric Scinttilation		
Chemistry	Dr. Safalla Kr. Ghosh	Synthetic organic chemistry		
	Dr. Partha Majumdar	Synthetic coordination chemistry		
	Dr. Bisweswar Banerjee	Extraction of anti carcinogenic compounds from leaf		
	Dr. Arijit De	Sol-gel thin film and nanocomposites		
	Dr. Sanjay Nath	Synthetic organic chemistry		
	Prof. Shrabani Barman	Organic synthesis and organic photochemistry		
	Dr. Brajogopal Chand	Synthetic Inorganic chemistry		
Physiology	Dr. Kshinangsu Samanta	Trace element in reproductive biology		
	Dr. Krishna Nandi	Calcium channel blockers in the management of hypertension		

	Dr. Shyamal Kr. Das	
	Dr. Malabika Bhattacharya	Immunization and vaccine preparation of Japanese Encephalitis virus
Botany	Dr. Amal Kr. Sarkar	Systematics and Mangrove ecology of Sundarbans
	Prof. Biplab Bandyopadhyay	Cyto-genetics and bio diversity
	Dr. Dinesh Halder	Mycology especially on hyphomycetes and plant pathology
	Dr. Dola Baral	Aerobiology and applied immunology
	Dr. Subhajit Bandyopadhyay	Taxonomy and Angiosperms, Ethno- botany
Zoology	Dr. Sanat Kumar Ray	Parasitology and Sericulture Extension & Rural development
	Prof. Anirban Talukdar	Wildlife biology
	Prof. Kankana Basu	Fisheries technology, Fish haematology
	Prof. Pranab Kr. Halder	Structural biology, Bacterial biofilm, Ecological studies

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

Seminars and workshops sponsored by UGC and other agencies are organized by various departments through which researchers from various fields visit the campus and interact with students as well as teachers. Detailed information are furnished in Section 3.7.4.

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

The college being a Government aided one, there is no such provision.

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

- Department of Physiology has studied Health Status of Rice mill worker, Sargachhi, Murshidabad Bidi Worker of Aurangabad, Bagdamin Catcher of Sandesh khali, Sundarban,24 pgs(s), Nurses of Berhampore, Hospital Tea worker of Malbazar, Jalpaiguri Traffic police of Berhampore, Goldsmith of Khagra, Berhampore, Blacksmith of Berhampore Carpenter of Gorabazar, Berhampore.
- Department of Geography studied about the socio-economic condition of the 'Environmental Refugees' due to severe river bank erosion in the district of Murshidabad. Awareness generated among the Environmental Refugees about this

natural hazard in the region of Gaunj-Singheswari near Ajimgaunj and Bamnabad at Raninagar-2 Block, Murshidabad.

3.2. Resource Mobilization for Research

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

There is no provision for separate budget allocation for research. The research projects are carried out with the help of various funding agencies. The details of sanctioned and disbursed fund for different minor and major projects are given in the following table.

Title of Project	Name of the funding agency	Total amount sanctioned	Total Amount received till date
Co Comparative study Indo- Bangadesh Bengali literature written on Partition and migration problems: Present perspective	UGC	1,90,000	1,40,000
Effects of some herbal products on Rat hemidiaphragm as an alternative to Salbutamol	UGC	1,97,000	1,53,000
Study of Sol-Gel derived novel ternary TCO nano powders	UGC	2,90,000	2,10,000
Study of some quantum Hamiltonian in the framework of biocomplex algebra and their extension to non- Hamiltonian system	UGC	2,20,000	1,95,000
Inventorization of sacred groves in the district of Murshidabad	WBBB	2,50,000	1,20,000
Studies on Mangroves and their ecological impacts on the Estuarine Ecosystem of Sunderbans, W.B.	UGC	3,15,000	2,20,000
Diversity of Dematacious hyphomycetes from Murshidabad district, W.B.	UGC	5,00,000	3,67,500
Growths and prospects of Agro- processing Industry: A study on W.B.	UGC	2,35,000	1,72,500
The changing river courses and its impact on human society in Murshidabad, W.B.	UGC	1,80,000	1,60,500
Longitudinal and latitudinal variability of GNSS scintillations in the equatorial anomaly of the Indian zone	DST	37,58,600	20,00,000

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

In the present scenario there is no such provision.

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

There is no such provision.

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

Dr. B. Banerjee of Chemistry Department and Dr. Shyamal Kanti Das of Physiology Department have been running an inter-disciplinary minor research project on "Effects of some herbal products on Rat hemi diaphragm as an alternative to Salbutamol" and the funding agency of their project is UGC.

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

There is no such equipment and research facility centrally in this institute. Individual teachers do research work funded by different organizations as for example DST, UGC etc.

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

No, the institution has not received any such grant.

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

Department	Name of	Dur	ation	Title of	Name	Total	Total
	Principal investigator	From	То	the project	of the fundin g agency	amount sanctione	amount received
						d	till date
Bengali	Dr. S. Bagchi Banerjee	2014	Cont d.		UGC	1,90,000	1,40,000
	Dr. B. Banerjee	2013	Cont d.		UGC	1,97,000	1,53,000
Chemistry	Dr. A. De	2015	Cont d.	Annexure I	UGC	2,90,000	2,10,000
Mathematics	Dr. A. Banerjee	2015	Cont d.		UGC	2,20,000	1,95,000
Botany	Dr. B. Bandyopadhyay	2014	Cont d.		WBBB	2,50,000	1,20,000
	Dr. A. K. Sarkar	2015	Cont d.		UGC	3,15,000	2,20,000
	Dr. D. Haldar	2015	Cont d.		UGC	5,00,000	3,67,500
Economics	Dr. A. Ghosh	2015	Cont d.		UGC	2,35,000	1,72,500
Geography	Dr. S. Ghosh	2013	Cont d.		UGC	1,80,000	1,60,500

Minor Research Project

Department	Name of Principal investigator and Co-PI	Dura From	ntion To	Title of the project	Name of the funding agency	Total amount sanctioned	Total amount received
							till date
Physics	Dr. K. Basu Roy (Co-PI)	2014	Contd	Longitudin al and latitudinal variability of GNSS scintillation s in the equatorial anomaly of the Indian zone	DST	37,58,600	20,00,000

Major Research Project

Completed MRP by Faculty Members

Name of the Teacher	Department	UGC- Plan
Dr. K. Basu Roy (Co-PI)	Physics	Major project funded by DST (2010 – 2013)
Prof. A.K. Biswas	History	XI th Plan (2012 – 2013)
Prof. R. Chakrabarty	History	XI th Plan (2012 – 2013)
Dr. T. Dhar	Philosophy	XI th Plan (2012 – 2013)

3.3 Research Facilities

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

- Besides the practical classes, the lab-based departments are equipped fairly to carry out the research work.
- All the departments of the college have separate computer facilities (both desktop & laptop) with internet connection.
- The computers of the department of geography are provided with TNT-MIPS software and GPS receiver for research purpose.
- ➢ In addition to the central library having more than forty five thousand books, every department has its own departmental library.
- One well-spaced seminar hall (P. T. Hall) equipped with projector and sound system. One smart room will be functioning shortly.

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

- Different sub-committees like "Research Committee", "Library Sub-Committee" have been formed to work out plans for upgrading the infrastructural facilities available and also to create new ones to meet the needs of the researchers.
- The concerned sub-committees monitor the research projects funded by different agencies and thereby try to create new infrastructures consulting the P. I.s and the Principal.
- The "Library Sub-Committee" seeks requisitions from the "Research Committee" and also from the P. I.s to meet the needs of the researchers.

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

Other than UGC and the West Bengal Government, there are no special grants received by the institution from any other sources.

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

Nanocomposites that are synthesized by Dr. A. De, Dept. of Chemistry in college laboratory are characterized in Central Glass and Ceramic Research Institute, Kolkata by research scholars of "Sensors and Actuators" division.

- **3.3.5.** Provide details on the library/ information resource center or any other facilities available specifically for the researchers?
 - The central library provides access to e-resources (6000+ e-journal and one lakh ebooks) through N-LIST INFONET, UGC.
 - Apart from central library and departmental library, internet facilities are also available.
- **3.3.6.** What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

In connection with the project "Longitudinal and latitudinal variability of GNSS scintillations in the equatorial anomaly of the Indian zone" a small laboratory has been set up in the department of physics having .Septentrio Satellite navigation Pola RXS pro. L - band Scintillation, ICOM – IC – R7100 (VHF) Receiver (250.650 Mhz), computer and other necessary accessories.

3.4 Research Publications and Awards

- 3.4.1 Highlight the major research achievements of the staff and students in terms of
 - Patents obtained and filed (process and product): Nil
 - > Original research contributing to product improvement: Nil
 - Research studies or surveys benefiting the community or improving the services:
 - Dr. S.K.Das Associate professor, Dept. of Physiology has performed following research on herbal drugs that can serve the community in near future.
 - 1. Extracts of Aegle marmelous(Bael) can be used for preventing gastric ulcer in albino rat.
 - 2. Extracts of Moringa olifera (Sajne) and Benincasa hispida (Bilati Gourd) can be used for preventing hepatotoxicity in albino rat.
 - 3. Green tea leaf extracts may be used as a castrative agent in albino rat
 - 4. Extracts of basak and tulsi can be used for the treatment of acute bronchitis in albino rat.
 - > Research inputs contributing to new initiatives and social development :
 - The Study of Indo-Bangladesh literature on partition and migration problems along with field study, reflecting socio-economic status, trauma and pain reveled in the experience of the migrated people and refugees of Nadia and Murshidabad border area (P.I. Dr. S. Bagchi Banerjee, Dept. of Bengali).

- The study by Dr. A. K. Sarkar, Dept. of Botany regarding vulnerable and biodiversity rich ecosystem which indicates that conservation and continuous monitoring is very much necessary for the protection of the ecosystem that will be beneficial for the coastal zone management as well as the protection of mangrove ecosystem.
- Less expensive and much simpler method of synthesis of Transparent conducting oxide nanocomposites which is used to fabricate several opto-electronic devices specially gas sensors, solar cells, smart windows etc. (P.I. Dr. A.De, Dept. of Chemistry).
- The study by Dr. S. Ghosh, Dept. of Geography on changing river courses and its impact on human society in Murshidabad, shows that socio-economic uplift and holistic planning are urgently needed to tackle the problems of displacement of large number of people in every year, encroachment of fertile land, destruction of standing crops, human settlements, roads and communications etc.
- The study of Dr. A. Ghosh, Dept. of Economics, seems to reveal the immense potentiality of Agro-processing industries in rural employment and earnings in the context of West Bengal. Hence the study is likely to establish the need for expansion of such industries which would have great socio-economic impact on rural economy.
- The work of Dr. B. Banerjee, Dept. of Botany regarding improvement and preservation of old sacred grooves in Murshidabad district which is initiating awareness for preservation of biodiversity around sacred grooves.

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

Sanskrit Department publishes one journal annually having ISSN No. 2319-9415. Dr. Amal Kumar Bhattacharya is the chief editor of the journal. The journal is published in Bengali, English and Sanskrit. This publication is not listed in any international data base.

3.4.3 Give details of publications by the faculty and students:

The summary of publications by the faculty in peer and non-peer reviewed journals, Monographs, Chapter in Books, Books Edited, Books with ISBN/ISSN numbers are given in the following table-

Department	Number of	Number of	Books,	Books, Chapter in
	publications in	publications in	Chapter in	Books, Books Edited
	Peer reviewed	other non-	Books, Books	with ISBN/ISSN
	journals	refereed	Edited	number
		journals		
Physics	26	0	0	0
Chemistry	15	0	0	0
Mathematics	10	0	0	0
Geography	15	0	0	1
Economics	6	0	0	3
Zoology	10	0	0	0
Botany	15	0	0	3
Physiology	17	0	0	3
Sericulture	6	0	0	0
English	8	4	2	3
Bengali	6	14	7	0
Sanskrit	0	0	0	0
History	2	3	0	1
Political Science	1	0	0	4
Philosophy	2	13	0	1
Travel and	0	0	1	1
Tourism				
Management				

Further details of Publication per faculty, Number of publications listed in International Database, SNIP, SJR, Impact factor, h-index etc are given in respective Departmental profiles.

3.4.4 Provide details (if any) of

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



3.5. Consultancy

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

- College has a career counseling cell through which a number of students had been proposed to be absorbed in a number of industries like Gillette, TCS, ICICI Bank etc.
- Some add-on courses like accounting procedure and practices, spoken English for 40 hrs duration will be in operation from the session 2015-16. Besides, a negotiation is continuing with the authorities of MDI to explore the possibility of exchange programme.

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

The institution has no stated policy to promote consultancy as such. But with the available expertise along with the NSS unit the authority tries to provide consultancy services wherever possible on a voluntary basis.

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

The institution encourages the staff to participate in the consultancy services and also requests the other stakeholders to take part actively in such programmes.

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

- Imparting different services to the local slum dwellers, orphanages and old age homes.
- Providing counseling and consultancy services on health and hygiene, diseases, disaster management, environmental conservation and biodiversity, waste management, drug abuse, women's rights, security of women, etc. through personal visits as well as through seminars and workshops.
- > There is no question of revenue generation as the services are voluntary.

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

The consultancy services have been provided on a voluntary basis. Thereby, there is no question of earning money from consultancy.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

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

Promotion of institution-neighborhood community network is done by the various activities of college's National Service Scheme (NSS) and National Cadet Corps (NCC) wings round the year. At the time of admission students are encouraged to be part of NSS and NCC wings and to take active participation in the activities for holistic development of themselves as well as for betterment of the neighborhood. Some of the activities are furnished below.

NSS Activity:

- > "Plastic drive Movement" in the college campus and in surrounding locality.
- > 'Banamahotsav' by planting saplings collected from forest department.
- > Distribution of clothes in orphanage and old age homes.

NCC Activity:

- Blood donation camp
- Free eye checkup camp
- > Celebration of independence day, republic day etc
- Rescue activity in natural calamities in the neighbouring areas particularly during flood.
- Participation in different NCC camps organized by the group headquarters and 9
 Bengal BNNCC (Details are given in the following table)

Year	No. of Participants		
	All India Tracking Army Attachment		
2010	03	03	
2011	04	07	
2012	00	10	
2013	00	04	
2014	06	02	



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

Students' involvement in various social activities are supervised and monitored by teacher-in-charge of the respective wings/cells/subcommittees such as NSS, NCC, Gardening and Beautification Committee, Science and Culture Committee, Women cell etc.

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

- Students come to know about their college through the prospectus and college website which describes the rich heritage of the college and provide important information about the different departments. They become aware of, as well as active participants in, the culture of the institution through the various programmes held throughout the year.
- Alumni association of this institution also provides their feedback and suggestions.
- Interaction with guardians in Parents-teachers meeting helps in getting feedback regarding overall performance and quality of the institution?
- Students are encouraged to become part of the Students Union and organize their own democratic platform. It is entirely the responsibility of the students to organize the Students' Election under the guidance of election committee comprises of various teachers. This helps the students to understand the communities, in which they work, identify the needs and problems of the community, get involved in problem solving process and of course develop among themselves a sense of social and civic responsibility.

3.6.4. How does the institution plan and organize its extension and outreach programmes?

The cardinal principle of the NSS and NCC activities is that it is organized by the students themselves and both students and teachers through their combined participation in community service, get a sense of involvement in the tasks of nation building. Our institution encourages both students and faculty members to be a part of this NSS and NCC units to train the students in community service and making them responsible citizens of India. The institution in the beginning of each academic year plans to organize various NSS and NCC activities as per the budgetary allocation. Following Table shows the said allocation for last four sessions.

Session	Budgetary allocation (in Rs.)		
	NCC	NSS	
2014-2015	30000	11000	
2013-2014	30000	11000	
2012-2013	24000	10000	
2011-2012	24000	10000	

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

Institution encourages both students and faculty members to be a part of NCC and NSS units and to take active participation in various activities. Details have been described in Section 3.6.1.



Department of Physiology has organized the following project work among underprivileged and vulnerable sections of the society:

Study of Health Status of

- 1. Rice mill worker, Sargachhi, Murshidabad.
- 2. Bidi Worker of Aurangabad.
- 3. Bagdamin Catcher of Sandesh khali , Sundarban,24 pgs(s).
- 4. Tea worker of Malbazar , Jalpaiguri.
- 5. Goldsmith of Khagra , Berhampore.
- 6. Blacksmith of Berhampore.
- 7. Carpenter of Gorabazar, Berhampore.

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

The major extension activity organized by the college for the students are the NCC and

NSS activities. The broad objectives are to enable the students to:

- Understand the community in which they work
- > Understand themselves in relation to their community
- Identify the needs and problems of the community and involve them in problem solving process
- > Develop among themselves a sense of social and civic responsibility
- Utilize their knowledge in finding practical solution to individual and community problems
- > Develop competence required for group living and sharing of responsibilities
- Gain skills in mobilizing community participation
- > Acquire leadership qualities and democratic attitude
- Develop capacity to meet emergencies and natural disasters
- Practice national integration and social harmony.
- Find suitable jobs in emergency and military services (Details are given in the following table)

Year	Outcomes in terms of jobs					
	Indian army	B.S.F	Police	Fire	Civic	Total
			service	Brigade	Police	
2010	01	04	02	01	03	11
2011	01	01				02
2012	03	01		01		05
2013	02					02
2014	01					01

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

- People in the local community are made aware of Arsenic pollution and encouraged to use the arsenic free water provided by the college in association with Murshidabad Jilla Parishad.
- Community is also encouraged to take part in seminars on social issues like Consumer awareness, thalassemia consciousness, gender sensitization etc.
- Plastic Drive" movement in the neighbouring locality to get rid of all plastic materials which are less than 40 microns thick and to convey the harmful effects of reusing thin plastic sheets and bottles.

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

The NSS unit of K. N. College jointly with Red Ribbon club has organized a workshop on "Safe Blood"

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

No such awards have been received during the last four years.

3.7. Collaboration

- 3.7.1. How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.
 - Research laboratories, Institutes are partially involved in the minor/major research projects during the synthesis and characterization of different materials.
 - Dr. K. Basu (Roy) of Department of Physics is carrying a DST sponsored major research project in collaboration with Dr. Shyamal Kumar Chakraborty, Associate Professor of Raja Peary Mohan College, Hooghly.

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

- A MoU has been signed on 25th July between Association of cost accountants of India and K.N. College for coaching the students of economics and other students of college about foundation of intermediate course of cost accounts.
- A MoU has also been renewed between The Institutes of computer Engineers, A unit of Techno India and K.N. College on 2012. From this our students have acquired very good expertise in IT training through" O"Level (foundation) courses. After completion of the training they are absorbed in both Govt. as well as private sector.
- In regard to the MoU signed between Rabindra Bharati University, Directorate of Distance Education and Krishnath College a study centre (Centre Code: R.B.U. 30) under the DDE, RDU for studying PG courses on Bengali, English, Sanskrit, History, Education, Political science, Geography and Env. Studies was allowed to open in the college campus from the session 2010-11.
- In regard to the MoU signed between Netaji Subhas Open University and Krishnath College a study centre for studying UG and PG courses was opened from the session 1998-1999.
- 3.7.3. Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.:
- > The Career Counseling Cell interacts with the industries as and when possible in connection with the placement of the students who are in search

of jobs .

- > The PG students in Physiology and Sericulture work in association with the industries.
- > Tourism and Travel Management Department organizes the on-the-job training for the students.
- 3.7.4. Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

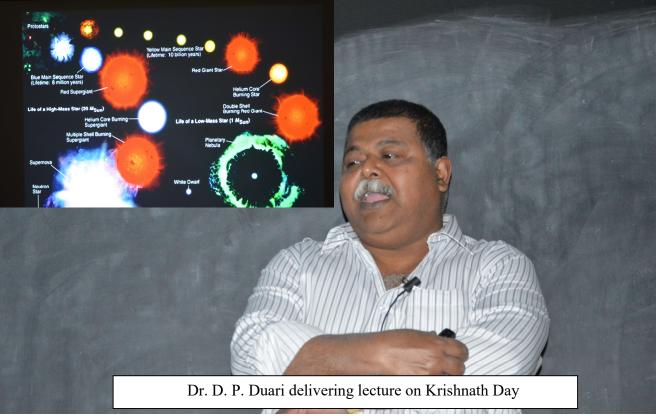
Name of the	Date	Event	Lecture Topic
scientists/participants			
Prof. Alok Banerjee, VC,	5/01/2010	Krishnath Day	New Frontier in Health
KU		Celebration	and Education
Prof. B. C. Ranu,	8/01/ 2010	Programme organized	Chemistry (Green) for
Professor, IACS.		by Alumni association	sustainable development
			and better future
Dr. D. P. Duari	5/01/2012	Krishnath Day	
		Celebration	
Viswamay Anandaji,	23/08/2013	UCC sponsored state	Value Education
Sargachi Ramkrishna	25/08/2015 and	UGC sponsored state level seminar on	value Education
Mission	24/08/2013	"Understanding	
Prof. Raghunath Ghosh,	24/00/2013	Swami Vivekananda in	Swami Vivekananda on
NBU		contemporary	Practical Vedanta
Swami Sastragyanandaji		perspective" organized	Yuva Shakti amd Swami
Maharaj, Principal, Belur		by department of	Vivekananda
Vidyamandir		Philosophy and Pol.	v ivekananua
Dr. Somnath		Science, K. N. College.	Application of concept of
Bhattacharya, Prof.,			Vada and Vedanta in
Dept. of ME, JU			modern management
I ,			education.
Radharaman			Political and Social ideas
Chakraborty, Ex-VC,			of Swami Vivekananda
NSOU			
Dr. Kantilal Das, Prof. of			Swami Vivekanandas
Philosophy, NBU			thought on languages of
			Philosophy
Dr. A. K. Harh, Prof.,			Social Reformation
Thakur Panchanan			movement
Barman University.			

Dr. Shaktinath Jha			Session Chairperson
Dr. Shyamal Gupta,			Women's empowerment
District Judge			and Swami Vivekananda
Prof. Smritikumar Sarkar,	7/09/2013	UGC sponsored	Inaugural Address
VC, BU.	and	National level seminar	
Prof. Partha Sarathi	08/09/2013	on "Indo-Bangladesh	Wither Bangladesh in
Ghosh, Formerly Prof. of		Relations, Issues,	World Politics.
International Studies,		Problems and Recent	
JNU, New Delhi		developments"	
Dr. Anindyo Jyoti		Organized by	Sources of insecurity and
Majumdar, Prof of		Department of History	state response: The India-
International Relations,		and Pol. Science, K. N.	Bangladesh Experience
JU		College.	
Dr. Isani Naskar,			The Geopolitical issues
Associate Prof. of			and security problems in
Political Sc., RBU			Indo Bangladesh relations.
Prof. Siddhartha			Indo Bangladesh trade
Majumdar, Chairman,			relations: Recent trends.
W.B.C.S.C.			
Dr. Surendra Jha, Prof. of			Chaired the valedictory
History, Sidhu Kanhu			Session
University, Dumka,			
Jharkand			
Dr. Keka Dutta Ray,			Impact of regional
Associate Prof of			strategic dynamics on
History, Shibnath Sastri			Indo-Bangladesh relatins.
College.			
Dr. Sreeradha Dutta,			Perceptions in Indo-
Director, Moulana Abul Kalam Azad Institute of			Bangladesh relations:
Arian Studies, Salt Lake.			Theory and practice.
Prof. Smritikumar Sarkar,	06/09/2013	UCC snonsored state	Koy noto Address
VC, BU.	00/09/2013	UGC sponsored state level seminar on	Key note Address: Murshidabad: trade
VC, DO.		"Murshidabad – A	centre of Bengal in the
		locality to Nation,	Nababi Period.
Dr. Soumitra Sinha,		organized by	Sufisim in Bengal in the
Department of Histury,		Department of History,	medieval period
KU		K. N. College	
Shri Pranab Mukherjee,	23/08/2014	A programme	To unveiled the bust of
President of India		organized by K. N.	Raja Krishnath and
		College	delivered a talk on higher
		8	education.
			cuucation.









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- 3.7.5. How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated
 - a) Curriculum development/enrichment
 - b) Internship/ On-the-job training
 - c) Summer placement
 - d) Faculty exchange and professional development
 - e) Research
 - f) Consultancy
 - g) Extension
 - h) Publication
 - i) Student Placement
 - j) Twinning programmes
 - k) Introduction of new courses
 - l) Student exchange
 - m) Any other

No such linkages or collaborations.

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

Not applicable

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

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 **Physical Facilities**

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

The existing policy of the institution:

- To plan for sustainable expansion and proper governance of the best opportunities so as to
 - ensure academic growth and allied activity promotion and encourage potentialities in the students
 - improve and ensure existing facilities
 - add according to new needs
- Submitting plans and proposals and projects for infrastructural extension to the government for approval and financial sanction.
- Mobilizing funds from the government, and from other sources such as UGC, CSIR etc for academic growth.
- Persuasion of infrastructural development for girls' and boys' hostels of the institution.
- Initiation of construction of new auditorium

4.1.2 Detail the facilities available for

- a) Curricular and co-curricular activities classrooms, technology enabled learning spaces, tutorial spaces, laboratories, botanical garden, specialized facilities and equipment for teaching and learning, NSS rooms, healthy canteen, boys and girls common rooms, vast play ground, gymnasium, basket ball play ground, girls' hostels and boys' hostels.
 - Classrooms: All the classrooms are equipped with black/white board, and if teacher requires, he/she can use OHP/LCD projector alongwith laptop computer. Presently there are 32 classrooms, 1 smart room 22 laboratories and 1 auditorium is proposed to be built.
 - Technology enabled learning spaces: A computer room with several computers with internet facility is often used for teaching-learning purposes. Computer labs also exist for teaching purposes in specified areas for Physics, Chemistry, Mathematics, Botany and Zoology department. Other departments set up equipments whenever needed. All departments are provided with laptop/ desktop for regular teaching purposes.
 - Seminar Halls: Physics theatre hall with its gallery facility is now used for seminar purposes. The proposed upcoming new building – the auditorium.



Tutorial spaces: The classrooms are used for tutorial purposes during slack session/hours.

\triangleright	Laboratories: Science subjects have set up m	odern laboratories.
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Department	Number of laboratories
Physics	3
Chemistry	6
Mathematics	1
Zoology	3
Botany	3
Physiology	2
Geography	1
Sericulture	3

- Ancillary units for dedicated research equipment exist if needed in future and new buildings and classrooms will have extended facilities.
- **Botanical Garden:** The Botany department has been maintaining and augmenting a Medicinal Plant Garden and Orchid exhibits are also in place. Mention may also be made of the Butterfly Garden promoting ecological exploration and sustenance.
- Specialized facilities and equipment for teaching, learning and research:

Department	Specialized facilities and equipment		
Physics	ICOM receiver, Telescope, Cathode Ray		
	Oscilloscope and Projector		
Chemistry	Oil Bath, Digital Balance, Thermostatically		
	controlled water bath, Centrifuge,		
	Polarimeter, Potentiometer, Colorimeter,		
	pH-meter, Muffle furnace,		
	Spectrophotometer, Digitally controlled		
	magnetic stirrer with heater, Over head		
	projector,		
Zoology	Simple and compound microscope,		
	Incubators, Egg-incubators, BOD analyser,		
	Autoclave, Colorimeter, Digital balance, pH-		
	meter		
Botany	Autoclave, Incubator, Colorimeter, Digital		
	Balance, Microscope.		
Physiology	CRO, ELISA Strip reader, Polyrite,		
	Spirometer, Microscopic Camera.		
Geography	GPS		

Sericulture	Colorimeter, Spectrophotometer, pH-meter,		
	Electrical conductivity bridge, Flame		
	photometer, Digital balance, Gel		
	electrophoresis instrument, Simple and		
	compound microscope		

Healthy canteen: healthy canteen is being provided with tasty food according to the need of the students.

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

Sports: A large playground with an area of 14700 sq m. is available outside the college campus. Provisions for playing different games are there. The event of Annual sports is held every year. It is located at the heart of the town for the convenience of outside students for inter-college matches.

Prizes and trophies are awarded to the successful participants in the annual sports meet. A special prize is awarded each year to the student for an outstanding performance in sports and games. Interested students who are good in sports are sent each year as participants to the Annual Intergovernment College Sports Meet.

- Outdoor and Indoor Games: Provisions for outdoor games like Badminton, football, cricket, basket ball and indoor games like table tennis, carom etc are there.
- Gymnasium: Tread mill, Multi-gyms, Gym-balls, Exercising cycles, weights for enhancing physical fitness are provided in the College gymnasium.
- > Auditorium: A state of the art auditorium is proposed for holding seminars workshops, awareness programme and cultural functions.
- NCC: National Cadet Corps (NCC) is an important part of this college as the volunteers of NCC Unit keep on doing regular works both inside and outside the college campus. The regular activities include blood donation camp, fee eye check up camp, rescue activities in flood and participation in different NCC camps organized by the group headquarters and 9 Bengal BNNCC.
- NSS: The National Service Scheme (NSS) wing is a very active and well equipped unit in the Institution. There is a whole year activity done by them which inspires students to join into the myriads of activities the unit provide. The unit visit to different destitute home and help them, tree plantation programs, plastic drive movement etc are being done regularly. The unit is planning a special camping program in the adopted village soon.
- Public speaking, communication skills development: Regular debate and extempore speeches are held by Cultural Committee for training

students in public speaking and communication skills development. Students also participate successfully in events outside college. A dedicated unit exists for conducting a cultural unit in college with teachers and students.

- Health and Hygiene: Active roles are played by the members of the Maintenance and Beautification Committee. Gardening Committee and the NSS to maintain healthy, clean and hygienic condition of collegel. Under NSS students take active part in removing used packets.
- Women Cell (Chitrangoda): Active role is being played by the women cell to provide help to girl students. Regular awareness programs are being held by the unit to sensitize girl students. Workshops on Health & Hygiene of Adolescent Girls are regularly held in the College. Workshops, seminars and awareness programs are as follows :--
 - One counseling has been done by inside resource person in January , 2013.
 - Counseling program by Adolescence Counselor, CMOH office, Msd. on 24th April, 2013.
 - ✤ Awareness generation program, SAVE THE GIRL CHILD THROUGH AWARENESS GENERATION on PC & PNDT ACT, 2003 on 14th September, 2013.
 - Two-day workshop and Seminar on Gender Sensitization SAVE THE GIRL CHILD & RIGHTS, PRIVILEGES AND SELF-DEFENCE OF WOMEN on 8th & 9th October, 2015.
- 4.1.3. How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).
 - In full session every classroom and laboratory is in use during college hours indicating the optimum use of the available space.
 - Beyond college hours self financing courses e.g. Career oriented courses in Computer Applications is held in the College premises.
 - Language improvement classes (Remedial) are also held beyond college hours.
 - The academic curriculum also involves the regular conduct of seminars and workshops at different departments.
 - On Sundays and holidays almost throughout the year public and competitive examinations conducted by UPSC, WBPSC, School Service Commission, SET JBNSTS, TIFR-MADHAVA etc are held in the college

premises.

- During Parliamentary, Assembly and Municipal elections, the College campus is requisitioned as polling center and on occasions as the regional election office.
- Two Open University courses are being held successfully NSOU and RBU DDE.

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

- In the ground floor there is one ramp which facilitates the movement of wheel chair.
- Most of the classes for students with difficulties in movements are arranged downstairs. Special stools are arranged for such students whose normal growth is challenged in the labs.

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

There are four hostels for students (Two for boys and two for girls) and one transit house for short-term accommodation of teaching and non-teaching staffs. The intake capacity of the hostels are given below-

Name of the Hostel	Intake capacity
Maharani Swarnamoyee Hostel (Girls)	80
Wheeler Hostel (Girls)	45
New Kumar Hostel (Boys)	99
Maharaja Manindra Chandra Hostel (Boys)	60

Hostel Administration:

- The Principal of the College is ex-officio in-charge of the College Hostel. In addition, the hostels are run by two residential super, two nonresidential super.
- The Hostel Committee consists of the Principal, Superintendents, and some members of the teaching staff. The Committee plays a great role in the all-round development of the Hostel.
- All the important announcements, notifications and reminders are made with the help of a notice board installed at the Hostel gate.

> Facilities:

- **Daily News Paper:** Anandabazar Patrika, Telegraph
- Drinking Water Facility: Hostel not only provides 24 hours running water to the boarders but has also ensured that the students get proper drinking water. For this reason four water purifiers and a water purifier cum cooler have been installed in the hostel building and in the common

room.

- Sports Facilities: Sport is an important part of student-life as it not only provides us with entertainment but also helps in building up a good and healthy life. The College Hostel is equipped with all possible requirements for indoor and outdoor games. Sports facilities like Table Tennis, Carom, Chess, Ludo and Badminton have been introduced in the hostel.
- Security: 24 hours security and generator are there for girls hostel.
- ***** Recreational facilities:
 - In the leisure hour students are allowed to watch TV. With prior permission of the Superintendent students are allowed to watch TV in holidays.
 - **Fresher's Day and Farewell Party**

The students celebrate these two occasions enthusiastically. The Hostel has been made a home away from home by the continuous and sincere efforts of the college authority, the staff of the hostel and the boarders.

Republic Day & Independence Day

These two important days are celebrated by the hostilities. The patriotic sentiments rise high and amalgamate to make the tricolour more glorious. Amidst various patriotic songs in Hindi and Bengali the national flag is hoisted by our respected Principal.

Republic Day & Independence Day

No religious rituals are being observed inside the hostel premises as it is strictly a secular college.

***** Facilities for medical emergencies:

In the hostel sick students and staffs are promptly attended to by doctors on call.

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

- A gymnasium is provided for the students and staffs.
- > Yoga class for students is occasionally arranged.
- The College offers first-aid facility to the students in case of emergency. Although there is a part-time basis medical unit in the College, students can avail medical facilities from "Students Health Home" also.
- 4.1.7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.
 - A separate room is allotted to the IQAC (Room No.-27) of the college.
 - Alumni association uses Room no. 29 and P.T hall for meeting and seminar/programme purpose respectively.

- One boys' common room and one girls' common room are used as recreational spaces for students.
- > The College also houses an equipped Gymnasium with multi-gyms, chest expander, standing cycle, jogger and treadmill.
- > There is a badminton court and a basketball court in college campus

4.2 Library as a Learning Resource

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

There is a Library Sub-Committee for smooth functioning of Library and its activities. The main objective of library committee is to decide and adopt policies to govern the management and rules and regulations of the library. There are frequent meetings of the Library Sub-Committee to chalk out plans for the enhancement of the library, both Central and departmental. The Committee consists of the following members-

- 1. Dr. Sujata Bagchi Banerjee, Principal and Ex-Officio Chairman,
- 2.Ms Niti Molllah, Librarian,
- 3. Ms Santa Chakrabarti, TCS
- 4. Dr. Arnab Ghosh, Assistant Prof. Dept. Of Economics
- 5. Dr. Subhajit Bandyopadhyay, , Assistant Prof., Dept. of Botany
- 6. Dr. Bisweswar Banerjee, , Assistant Prof., Dept. Of Chemistry
- 7. Dr. Debashis Mallick, Associate Prof., Dept of Economics
- 8. Ms Rinku Bakshi, Assistant Prof., Dept of Philosophy
- 9. Ms Chandrima Sen, Part-time Prof., Dept of Political Sciences
- 10. Mr. Santanu Roy, Library Staff

There are frequent meetings of the Library Sub-Committee to chalk out plans for the enhancement of the library, both Central and departmental. The following significant initiatives have been implemented by the subcommittee in the last five years:

- The library committee suggested complete digitalization of the library. Work is under progress. The Library software KOHA has been installed on 21.08.2015. The process of data entry has been started.
- Book binding for the damaged books have been stared phase wise.
- Two Computers are purchased and internet is available in library.
- One Vacuum Clear has been purchased.

• Library committee has made arranged for purchase of ceiling and pedestal fans, tube lights, etc.

4.2.2 Provide details of the following:

* Total area of the library (in Sq. Mts.) *Total seating capacity * Working hours (on working days, on holidays, before examination days, during examination days, during vacation) * Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

Following table describes the details of the library

Total area of the Library	4,000(in sq. ft)
Total seating capacity	60
Working hours (on working days, on holidays, before examination days, during examination days, during vacation)	Monday to Friday: 6.30 A.M. to 5.00 P.M. Saturday: 6.30 A.M to 2.45 P.M. Reading room is kept open from 6.30 am to 5.00 pm. on all working days. Library remains closed on Sundays, Public holidays and vacation
Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)	Due to inadequate space in the Library with huge book collection it is not possible to accommodate individual reading carrels, lounge area for browsing and relaxed reading. Internet facility is provided to the student and the faculty members
	Central library provides access to e-resources (6000+ e-journal and one lakh e-books) through N-LIST INFONET, UGC.

4.2.3 How does the library ensure purchase and use of current titles, print and ejournals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

The purchase of books and journals is conducted by the individual departments under the supervision of Purchase Committee. After having the sanctioned grants from UGC or State Govt. UGC sub-committee distributes the grant among various departments for purchasing books, journals, CDs and DVDs. The book suppliers supply the books or reading materials as per the suggestions of respective departments in the central library and bills are submitted to the office after being received and forwarded by the librarian. Following table shows details of the amount spent on procuring new books, journals and e-resources during the last four years.



Library holdings		ar-1 -2012)		ar-2 -2013)		ear-3 3-2014)		ear-4 4-2015)
	Number	Total Cost	Number	Total Cost		Number	Total Cost	Number
Text books	907	139333/-	922	154094/-	1248	297881/- +	421	122386/-
Reference Books	14		3		21	Donated	13	
Journals/ Periodicals								
e-resources	Nil		Nil		Nil		N- list UGC	5000/-
Any others	7 (CD)	1599/-	6(CD)	Free With Books	3 (Map)			

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

* OPAC /* Electronic Resource Management package for e-journals/ * Federated searching tools to search articles in multiple databases/ * Library Website /* Inhouse/remote access to e-publications * Library automation /* Total number of computers for public access * Total numbers of printers for public access/ * Internet band width/ speed \Box 2mbps \Box 10 mbps \Box 1 gb (GB) /* Institutional Repository /* Content management system for e-learning /* Participation in Resource sharing networks/consortia (like Inflibnet)

1	OPAC	Under process, just started
2	Electronic Resource Management package for e-journals	Member of N-LIST (INFLIBNET) Programme which provides access to 6000+ e-journal and one lakh e-books
3	Federated searching tools to search articles in multiple database	Yes
4	Library Website	No separate Library website, but separate menu in the college website
5	In-house/remote access to e- publications	Yes
6	Library automation	Process of library automation has been started.
7	Total number of computers for public access	2

8	Total numbers of printers for public access	1
9	Internet band width/ speed □ 2mbps □ 10 mbps □ 1 gb (GB)	BSNL Broadband with 100kb/s.
10	Institutional Repository	No
11	Content management system for e- learning	No
12	Participation in Resource sharing networks/consortia (like Inflibnet)	Yes

4.2.5. Provide details on the following items: * Average number of walk-ins * Average number of books issued/returned * Ratio of library books to students enrolled * Average number of books added during last three years * Average number of login to opac (OPAC) *Average number of login to e-resources *Average number of e-resources downloaded/printed * Number of information literacy trainings organized * Details of "weeding out" of books and other materials.

1	Average number of walk-ins	35 per day
2	Average number of books issued/return	21 per day
3	Ratio of library books to students enrolled	11
4	Average number of books added during last three years	874
5	Average number of login to opac (OPAC)	Login going to start
6	Average number of login to e-resources	In the initial stage
7	Average number of e-resources downloaded/printed	Since the downloading process is in its initial stage therefore average number of download is yet to establish.
8	Number of information literacy trainings organized	4
6	Details of "weeding out" of books and other materials	Damaged documents are kept separately besides that some old issue/return register has been disposed.

4.2.6 Give details of the specialized services provided by the library

* Manuscripts * Reference * Reprography * ILL (Inter Library Loan Service) * Information deployment and notification (Information Deployment and Notification) * Download * Printing * Reading list/ Bibliography compilation * In-house/remote access to e-resources * User Orientation and awareness * Assistance in searching Databases * INFLIBNET/IUC facilities

1	Manuscripts	No such manuscripts in true sense but there		
		are number of old valuable books.		
2	Reference	The reference service is given to users as		
		and when required.		
3	Reprography	Yes		
4	ILL (Inter Library Loan Service)	NA		
5	Information deployment and notification	Notices are given to Library notice board		
6	Download	Limited download facility has been given		
		to the users		
7	Printing	Yes		
8	Reading list/ Bibliography	Provided on demand.		
	compilation			
9	In-house/remote access to e-resources	Can access through N-LIST member's		
		login.		
10	User Orientation and awareness	Annual user orientation and awareness		
		programmes are conducted for the		
		freshers.		
11	Assistance in searching Databases	Assistance provide as and when		
		required.		
		•		
12	INFLIBNET/IUC facilities	Yes		

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

Following supports are provided by the Library staff:

- The Library staff members help the students and faculty members as and when required to avail any kind of library service.
- Extends borrowing and lending facility for the students and teachers.
- Issue and return of books and journals for library reading room for reference work for students and faculty members.
- The library provides University question papers of previous years.
- New Arrivals of library materials are kept in separate rack in reading room for few days.



- Library provides the open access to the faculty members and the library staff helps them to locate the materials of their interest.
- Reprographic service and internet services are provided on request to the limited users if it deemed to be urgent and necessary by the librarian.
- Peaceful and academic environment is maintained inside the library.

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

At present, no special facility is offered by the library to the visually/physically challenged persons. But they are exempted from the library overdue charge. Their requisitions are served on a priority basis. Escorting is also done to the visually/physically challenged students/users.

4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)

The library takes regular feedback verbally from its users. In reading room there is a register where the users, both students and teachers, can offer their comments, demands and feedbacks. The feedbacks or complaints are analyzed in the Library sub-committee meetings and necessary measures taken as and when required.

The library has planned to introduce on-line feed back in the coming academic session that may be analysed quarterly.

4.3. IT INFRASTRUCTURE

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

Number of computers:	41(Desktop-22, Laptop-19),
Printer and scanner	14
Computer-student ratio:	NA***
Stand alone facility	Nil
LAN facility	Used only in office
Wi-Fi facility	Nil
Configuration	PIV, CORE2duo, AMD/IBM. Server
Licensed software	Windows XP and Windows 7, Quickheal Antivirus, KOHA (In library).

The details on the computing facility available in the College are given below -

*** Students of science departments only are allowed to use computers as part of their curriculum

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

Computer and internet facility is available primarily for the faculty within the campus. Email and other services are available through College website. Staff members have their account for online access through INFLIBNET.

Students are allowed to use internet as and when required. Students of science departments use computers as part of their curriculum in their respective departments

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

- The Institute is planning for up gradation of IT infrastructure by setting up a Wi-Fi facility in the campus.
- > A Central Computer Laboratory is also under consideration.
- > To enhance number of desktop and laptop computers.

4.3.4 Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

The details on the Annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the Institution are given in the following Table

Year	Budgetary allocation (in Rs).	Actual expenditure (in Rs.)
2010-11	3,50,000/-	3,80,500/-
2011-12	3,50,000/-	3,32,695/-
2012-13	4,50,000/-	4,98,541/-
2013-14	8,00,00/-	7,57,601/-

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by its staff and students?

The Institution always encourages staff and students to use ICT resources while teaching. A few classrooms in the College are properly equipped for PowerPoint presentations. Students are encouraged to deliver seminar talks using ICT resources. Post Graduate students utilize such resources to present their project work.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

In order to encourage student-centric teaching/learning, emphasis is given on participative learning and peer teaching. Students are suggested to use e-resources amply in preparing materials for their lessons, seminars, talks, group discussions,



answering critical problems and especially project works. They in turn, play the role of teachers towards fellow students. The teacher happily plays the role of a facilitator.

4.4 MAINTENANCE OF CAMPUS FACILITIES

4.4.1 How does the institution maintenance and upkeep of the facilities by the use of available financial resources form several wings?

The major sources of Institutional receipts are:

- Grants from State Government.
- Grants from UGC.
- DST Funds.
- Others sources.

After completion of the developmental works of the Institution, the Institution sends Utilization Certificate to the sanctioning authority. The amounts sanctioned in last four years for different purposes by UGC other funding agencies are given in the following Table

Item	2014-2015	2013-2014	2012-2013	2011-2012
Building		Rs. 952080 (Block Grant UGC)	Rs. 2569209 (S.D.F.)	Rs.10000 (UGC additional grants)
Equipments		Rs. 980000 (UGC) 101524 (UGC)	Rs. 220500 (UGC)	
	150000 (S.D.F for COSA)	Rs.75000 (S.D.F. for Ashutosh Mukherjee Birth Anniversary)	Rs.200000 (merged Scheme XII) Rs.1225000 (UGC additional assistance)	
Others	Rs.1175500 (MRP from UGC)	Rs.10500 (MRP from UGC)	Rs.328300 (MRP from UGC)	Rs.166000 (MRP from UGC)
			Rs.367500 (UG general District Books and Journal)	
	Rs.48484 (Seminar UGC)		Rs.165000 (Seminar UGC)	

Rs.3758600/- (DST fund)		

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

The institution has taken following steps to maintain, upkeep its infrastructure, facilities and equipments of the college.

- All the machines and laboratory instruments are under constant supervision of the respective departments and required repairing and servicing jobs are done by professional as and when required utilizing the departmental contingency.
- All the objectives and eyepieces of microscopes in Dept. of Physics are cleaned several times in a year by professionals, at least once at the end of monsoon and once before the University practical examinations.
- > Besides, equipments are installed in a secure space as far as practicable

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

- All instruments are also calibrated annually by technical personnel provided by the instrument manufacturers. Centrifugation instruments are kept dust free.
- Simple and Compound Microscopes are the indispensible instrument in the department of Botany and Physiology and Physics. All the objectives and eyepieces of microscopes are cleaned several times a year by a professional, at least once at the end of monsoon and another before the University practical examinations. Throughout the year general maintenance is carried out by the students and the working staffs as advised by the faculty members.
- Digital Instruments in different lab-based departments (Physics, Chemistry, Botany, Physiology, Zoology, and Mathematics) are calibrated at the onset of the Practical Session by Faculty Personals themselves, after which they are calibrated on a regular basis by the students before each and every experiment.
- Discharged tube for different wavelength of light is maintained and checked at regular intervals in the Physics Laboratory.

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

Cleanliness is maintained in the laboratory (physics, chemistry, zoology, botany, physiology) by regular dusting and wiping in addition to which most of the instruments are kept covered to protect from dust and to obtain better



efficiency.

- > A Few rooms are equipped with Fire Extinguisher.
- > All computers of the College are UPS protected.
- A few digital instruments in which voltage fluctuation may cause erroneous result are run through stabilizer.
- All the departments are solely dependent on the college for the regular and constant supply of tap water. Distilled water is however purchased and stored for usage in quantitative estimation.
- For regular power supply Inverter facilities are provided in the Instrument rooms.

Two Ashok Leyland generators, two Kriloskar and two small generators – installed at the college to provide uninterrupted power supply to the main building.

> The whole campus of the college has been brought under CCTV surveillance

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include?

- The college has acquired INTERNET connectivity in May 2004, under the UGC- NRC scheme. The facility has been extended to many departments using two separate LAN connections.
- The college website <u>www.krishnathcollege.com</u>, introduced in 2008 re-designed in 2011 is being used successfully for entire admission process and Official works.
- T

The self-financing Certificate Course in Computer Applications is offered in collaboration with NIELIT (National Institute of Electronics and Information Technology, Govt. of India).

CRITERION V: STUDENT MENTORING AND SUPPORT

5.1 STUDENT MENTORING AND SUPPORT

5.1.1. Does the institution publish its updated prospectus/handbook annually? If "yes", what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

- Yes. The institution publishes its prospectus updated before each admission session. It is issued to the applicants along with the application form for admission. The prospectus contains a brief history and heritage of the college. It includes information regarding different courses, Honours subjects and General Combinations offered by the college, profiles of Departments and all staff members, admission process including fee structures, rules and regulations, clippings of achievements and aspirations. Information regarding co-curricular and extra-curricular activities of the college finds place in the prospectus. It also provides a list of stipends and memorial prizes awarded through different endowment funds.
- Likewise the College publishes an Academic Calendar consisting of detailed information regarding college activities during the year round, e.g. examination schedule of the college, dates of Freshers' welcome, Annual Sports, Annual Social and cultural functions, tentative dates of seminars and workshops and dates to commemorate some special events. It also provides a list of holidays as per University guideline.
- The same information which is published in the College Prospectus is also uploaded in the College Website.

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

The College provides institutional stipends and memorial Prizes to the students for good academic performances. It also provides institutional free ships to economically backward students following the rules and regulations of the college. Tuition fees are waived for the poor and meritorious students at the sole discretion of the college authority. These facilities are also extended to the students who have special achievements in games and sports and cultural activities in the University.

The following table illustrates different aspects of free ships provided by the College in the last four academic sessions.

Name of Scholarship / Stipend	No. of Beneficiaries	Total Amount in Rs.
Prof. D.N.Roy Memorial Prize in Chemistry	04	Rs.4000/-
Prof. S.K.Sen Memorial Prize in Physics	04	Rs.4000/-
Prof. J.C. Dasgupta Memorial Prize in English	04	Rs.4000/-
Prof. B.C. Bose Memorial Prize in Zoology	04	Rs.4000/-

Smt. Rina Dutta Memorial Prize in Botany	04	Rs.4000/-
Sri Sudhir Chandra Murkherjee Memorial Prize in	04	Rs.4000/-
Sericulture		
Smt. Rani Mukherjee Memorial Prize in Sanskrit	04	Rs.4000/-
Sri Grananda Memorial Prize in English	04	Rs.4000/-
Banamali Charan Tarkavyakarantirtha Memorial Prize	04	Rs.4000/-
in Sanskrit		
Sri Khagendra Chandra Karmakar Memorial Prize in	04	Rs.4000/-
Chemistry		
Sri J.C. Mitra Memorial Prize in Englush	04	Rs.4000/-
Sri Prahlad Chandra Goswami Memorial Prize in	04	Rs.4000/-
Chemistry		
Smt. Khirrodbala Goswami Memorial Prize in	04	Rs.4000/-
Sericulture		
Sri Amulya Chandra Guha Memorial Prize in Physic	04	Rs.15000/-
Md. Dedar Baksh Memorial Prize in Political Science	04	Rs.4000/-
Sri Ambika Charan Roy Memorial Prize	04	Rs.15000/-
Smritikantha Smriti Padak in memory of Gayaram	04	Rs.4000/-
Smritikntha		
Al-Haz-Sk Md.Zakaria Memorial Prize in Physics	04	Rs.26000/-
Sri Gagan Chandra Bhattacharyya Memorial Prize	04	Rs.26000/-
Sri N.K. Bhattacharyya & S.R.Devi Memorial Prize in	04	Rs.4000/-
Philosophy		
Sri A.C. Gaha Memorial Prize in Geography	04	Rs.4000/-
S.K. Basu Memorial Prize	04	Rs.4000/-
M.R.A.Toha Prize	04	Rs.8000/-
Smt. Bharati Chakraborty Memorial Prize in History	04	Rs.4000/-
Smt. Chhaya Ghosh Memorial Prize in Mathematics	04	Rs.4000/-

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

- > The students of the college belonging to the backward section of societies receive different kinds of financial assistance form state government and other agencies.
- The college helps the students to receive such financial assistance. SC, ST and OBC students of the college receive stipends from the state government.
- Every year some of the students receive Merit-Cum Means scholarship from the state government.
- Students belonging to Minority Communities receive Post-Matric scholarships from the West Bengal Minority Development Finance Corporation, Govt. of West Bengal.
- The Girl students under BPL category are receiving, financial assistance under "Kanyashree" project from the state government.

A few students get financial help from private agency named 'Sitaram Jindal Foundation', HDFC Bank through the supervision of the college.

The following Table illustrates the nature of financial assistance received by the students from government and others agencies.

Name of the Scholarship	Course	Total No. of Students	Female	Male	Amount
Sitaram Jindal	BA/B.Sc	12	4	8	45000.00
PH Scholarship	BA/B.Sc	9	2	7	5235.00
Merit-cum-	M.A	18	8	10	259200.00
	M.Sc	2	0	2	33600.00
	B.A/B.Sc	47	3	44	504600.00
Minority	B.A/B.Sc	272	53	219	1051200.00

2011-2012

2012-2013

Name of the	Course	Total No.	Female	Male	Amount
Scholarship		of Students			
PH Scholarship	B.A/ B.Sc	11	1	10	17040.00
Merit- cum-	B.A/ B.Sc	19	2	17	171000.00
Minority	B.A/ B.Sc	512	98	414	2918700.00

2013-2	014
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Name of the	Course	Total No.	Female	Male	Amount
Scholarship		of Students			
Sitaram Jindal	BA/B.Sc	11	4	7	32400.00
PH Scholarship	BA/B.Sc	4	2	2	6000.00
Merit- cum-	M.A	23	11	12	331200.00
	M.Sc	1	1	0	16800.00
	B.A/B.Sc	66	11	55	693000.00
Minority	B.A/B.Sc	633	143	490	3342000.00
HDFC Bank	B.A/B.Sc	2	0	2	5350.00



Name of the	Course	Total No.	Female	Male	Amount
Scholarship		of Students			
Sitaram Jindal	B.A/ B.Sc	5	4	1	16800.00
HDFC Bank	B.A/ B.Sc	2	0	2	23260.00
Merit- cum-	B.A/ B.Sc	49	5	44	513000.00
Minority	B.A/ B.Sc	193	70	123	265400.00

(Last two academic sessions)

Name of Scholarship	Academic Session	No. of Beneficiaries
Kanyashree Project	2013-2014	113
Kanyashree Project	2014-2015	104

5.1.4. What are the specific support services/facilities available for

Students from SC/ST, OBC and economically weaker sections

Remedial coaching for SC, ST and Minority students are provided beyond class hours and the financial assistance is given by the UGC. There is a library to fulfil the need of the aforesaid students whose details are given in the following table:

Sl. No.	Subject	Number of books
1	Bengali	138
2	English	126
3	History	145
4	Philosophy	85
5	Political Science	52
6	Sanskrit	26
7	Economics	30
8	Physics	79
9	Chemistry	39
10	Mathematics	62
11	Geography	35
12	Botany	40
13	Zoology	22
14	Physiology	11
15	Sericulture	06
16	General Studies, Misc.	24

- Students are provided every possible help and support by the college whenever they need in pursuit of knowledge and all-round development.
- The college timely informs the SC/ST and OBC and economically weaker sections of the students about various facilities provided to them by the government. University and other educational institutions thereby motivating them to avail those facilities. The institution effectively handles the whole process of collection and allocation of fund regarding grants, scholarships, free studentships.

The students' Aid Fund is used to extend financial assistance in the form of book grants, examination fees, tuition fees.

* Students with physical disabilities

The students with physical disabilities are provided financial assistance from the college to continue their studies. Teachers taken special care of the physically challenged students in the class. A ramp has been constructed by the college for them. The teachers extend academic and financial help beyond the curriculum to physically disabled candidates if their cases so deserve.

Overseas students

> There has been no overseas student during last four academic sessions.

Students to participate in various competitions/ National and International

- The college duly encourages, motivates, guides and helps the students to prepare themselves and participate in various competitions of the University, District, State and National level. Information regarding those competitions is displayed in the College notice board.
- The college organises inter class competitions on co-/ extra-curricular activities like music, debate, quiz, creative writing etc. The teachers guide the students for Youth Parliament competitions and train the students for sports and games. Competitive books and magazines are providing for them.
- On the College Foundations Day and Annual Social and Cultural Function, the students who excel in these competitions are felicitated by the College.

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

The college seriously considers the issue of students' health. Health camps are organized in the college campus for medical check up of the students. The college has an institutional agreement with the students' Health Home, Government of West Bengal whereby the students can avail themselves of free medical treatment. Health awareness programmes are also organized. Free medical check up of the students is also undertaken by eminent doctors in every week in college medical unit 'Suswasthya'

✤ Organizing coaching classes for competitive exams

The College provides coaching to help the students who aspire to appear in various competitive examinations. Books, Journals and Magazines are provided to them for preparation of those examinations.

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

- The College computer laboratory offers computer literacy programmes for undergraduate students of the college. There is a computer centre run by the Institute of Computer Engineers under the supervision of college authority. The centre provides certificate course in basic computer application. The students are provided with special concession in the course fees.
- The College also makes provisions for spoken English as well. Classes are being conducted by the teachers of the College.

Support for "slow learners"

- Departments arrange special tutorial and remedial classes for the slow learners. Slow learners are identified by the departments through class tests and plans to specially aid them are devised by the Academic Sub Committee of the College.
- Students of each class are divided into groups and one teacher is assigned as mentor for each group Simplified versions of books are recommended to them.

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

- The College organizes seminars, workshops to apprise the students about the scope of higher studies.
- Teachers of different departments inform, motivate and encourage the students to avail the opportunities regarding higher education. They guide the students to appear at the entrance examination for admission into post graduate courses of different universities and other reputed institutions.

Publication of student magazines

- The college publishes its annual magazine which offers the students a platform to realize their creative potential and hone their writing skills. The magazine is published by the students' union under the supervision of one teacher in –charge of the magazine subcommittee.
- In 2011, The College magazine was published to commemorate the 150th birth anniversary of Maharaja Manindra Chandra Nandi.
- Apart from the college magazine a number of wall magazines are also displayed periodically by the students of various departments.

- 5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.
 - Aspects of entrepreneurship development are facilitated through on-the-jobtraining and holding of work-shop with professionals from different fields.
 - The computer training courses help the students in their subsequent professional lives.
- 5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and cocurricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

*additional academic support, flexibility in examinations

- * special dietary requirements, sports uniform and materials
- * any other
 - The College has specific policy and strategy to promote participation of the students in extra-curricular and co-curricular activities. Consistent encouragement and motivation are provided by the college to ensure optimum participation in those activities. The cultural Committee, the sports wing, NSS and NCC units, and Students Union of the college jointly chalk out the policies and programmes.
 - The Cultural Committee organises and motivates the students at regular intervals through seminars, workshops and different programmes to enhance their skill to participate in various competitions whenever there is opportunity. Interclass competitions in games, debate, quiz and music are organized by the college. The objective of such competitions is to explore and streamline the hidden talents of the students.
 - Cultural secretary and Assistant Cultural secretary of the students union maintain a liaison between the Cultural Committee and the Students.
 - The students who participate in sports and cultural activities are given attendance relaxation for appearing at the internal examination. Special arrangements are made for such students for class tests and practical classes.
 - The College provides sports kits to the students interested in sports and games. Special Uniforms are provided to those participating in different programmes held in and outside the college. Special jackets and caps are given to the NSS volunteers. The college arranges for special meals during their practice and performance in the competition. Various incentives, concessions are granted by the college authority to encourage the students to participate in competitions. The College also bears the travel expenses of the students for participation in various activities outside the college campus.
- 5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive examination such as UGC-CSIR NET, UGC NET,

SET, ATE, CAT, GRE, TOEFL, GMAT, Central/ State services, Defence, Civil services etc.

For the purpose of supporting students for appearing in and qualifying various competitive examinations, the college has a Career Counselling Cell coordinated by a teacher. Students are provided information by this cell regarding job opportunities. It offers opportunities to meet employers in interactive seminars and campus interviews. Apart from professionals from different fields, teachers guide the students who are planning to appear in different competitive examinations conducted by WBPSC, WBCSC, WBSSC etc. The college always encourages the students for competitive examinations like UGC-CSIR NET, UGC NET, SET, GATE etc.

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

- > The faculty renders academic counselling after class hours if and when necessary and also tries to help the students in their personal problems.
- The Career Counselling Cell provides counselling about the right choice of career after they complete their graduation.
- The college also provides psychological counselling for problems related to mental health of students. The faculty members of Philosophy Department as well as invited counsellors provide such assistance to the students in need on regular basis.

5.1.9. Does the institution has a structured mechanism for career guidance and placement of its students? If "yes" detail on the services provided to help students identify job opportunities and prepare themselves for interviews by different employers (list the employers and the programmes).

- The College has a Career Counselling Cell which maintains regular contact with corporate houses. The cell periodically arranges for interactive sessions with various companies to provide guidelines on job opportunities. Campus recruitment drive is also organized whenever opportunities come. Direct recruitment from this college is not remarkable as most of the students of this college have trend to pursue higher studies after graduation.
- PG students in Physiology and Sericulture work in association with the industries. Sericulture & Tourism and Travel Management Departments arrange on-the-job training for the students.
- > Details of campus placement are given below:

2013-14

Name of organization	No. of students participated	No. of students placed
Anandabazar Gillette	50	01

2014-15

Name of organization	No. of students participated	No. of students placed
ICICI Bank	50	06

5.1.10. Does the institution have a Student Grievance Redressal Cell? If "yes" list (if any) the grievances reported and redressed during the last four years.

- Yes. The College has Grievance Redressal Cell which works under the name of Student-Teacher Coordination Committee. The committee deals with the grievances of the students and makes recommendations to the college authority for redressal of the grievances.
- > The major grievances redressed in the last four years are:
 - 1. Improvement of Students' Common Room facilities (Boys and Girls).
 - 2. Canteen renovation.
 - 3. Arsenic free pure drinking water.
 - 4. Proper maintenance of Gymnasium.
 - 5. Facilities of Sports and indoor games.
 - 6. Increase of Budget allocation for Students' Aid Fund.

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

- ➤ To ensure safety and dignity of the female students and staff, the college has established a Women Cell named CHITRANGADA. The cell takes measures for creating awareness about sexual harassment among the students. It organises seminars, talks and workshops to sensitize the girl students. It's a matter of great satisfaction that no occurrence of sexual harassments has been reported for last four years.
- Workshops, Seminars and awareness programmes organized by CHITRANGADA are as follows:
 - 1. A Counselling Program has been organized by inside resource persons in January, 2013.
 - 2. A counselling program by Adolescence Counsellor, CMOH office, Murshidabad was held on 24th April, 2013.
 - 3. Awareness generation program, "Save the Girl Child" was organized as per PC and PNDT Act, 2003 on 14th September. 2013.
 - 2-day workshop and seminar on "Gender Sensitization", "Save the Girl Child" and "Rights, Privileges and Self Defence of Women" was organized on 8th and 9th October, 2015.

5.1.12. Is there any anti-ragging committee? How many instances (if any) have been reported during the last four years and action has been taken on these.

- The college has duly constituted an ANTI-RAGGING COMMITTEE headed by the Principal as per the existing UGC norms. At the beginning of every academic year, both the fresher and the senior students of the college and their guardians are made aware of the ragging related rules and regulations by the college authority. The committee directs the respective departments, superintendents of the college hostels and the students' union to keep close watch on the students and to report immediately the untoward incident (if any) for appropriate action.
- Krishnath College being an institution of more than 160 years has a very good ambiance maintained by the staff as well as the students. Perhaps, this prevalent culture and heritage is one of the reasons why hardly any incident of ragging has been reported till date.

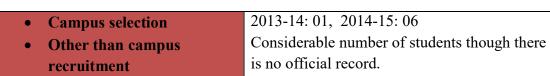
5.1.13 Enumerate the welfare schemes made available to the students by the institution.

- Apart from financial aid, awards and prizes as listed in 5.1.2 students' welfare is assisted by a subsidized canteen, pure drinking water and counselling services regarding career and curricula. The college provides free medical treatment in its medical unit SUSWASTHYA at regular intervals. In case of emergent financial necessity of any student on medical ground, instant fund is created through generous contribution of staff members and students for the benefit of the affected students.
- 5.1.14.Does the institution have a registered Alumni Association? If "yes", what are its activities and major contributions for institutional, academic and infrastructure development?
 - Krishnath College Alumni Association "Praktani" is a registered association. It was established in the year 1999. The Association was set up mainly to serve the noble cause of bringing the ex-students into the Premises of the college and to utilize their expertise, knowledge and achievements in various fields of life for the betterment and welfare of the college. Praktani seeks to encourage the students of the college not only in their academics but also to excel themselves in their future life.
 - > Activities and contributions of Praktani are given in ANNEXURE V.

5.2. STUDENT PROGRESSION:

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

Student progression	%
UG to PG	Hons. : 87; Major: 28*
PG to M. Phil	NA
PG to Ph. D.	NA
Employed	



*The percentage indicates the average of the last four years but there is no official record in this regard.

Trends observed: The noticeable trend is that in the last four batches a high percentage of students from both Arts and Science streams has moved from Undergraduate to Postgraduate courses offered by the Universities through both regular and distance modes of education. Many of our students have joined in services (both public and private sectors). As the college is an undergraduate institution, students passed out do not always report about their services they have joined and therefore exact data is not available. So far as the information from informal sources is concerned, a considerable number of students passing out from this college are now engaged in West Bengal College Service, West Bengal Civil Service, West Bengal School Service, Banking Service, Rail Service, Defence Service, Primary School Service etc. A good number of students of this institution have joined different colleges as Contractual, Part-time(Govt. approved) & Guest Teachers. Many of our students are self-employed.

5.2.2. Provide details of the program wise pass percentage and completion rate for the last four years (course wise/ batch wise as stipulated by the University). Furnish program-wise details in comparison with that of the previous performance of the same institution and that of the colleges of the affiliating University within the city/ district.

Programme	Pass out Year#	Pass %	Pass % of S.S. College,
			Jiaganj*
B.A (Hons)	2011	95.16	-
	2012	94.20	80
	2013	80.34	75
	2014	80.50	79
	2015	79.22	84.14
B.Sc (Hons)	2011	88.66	-
	2012	86.09	90
	2013	86.82	88.2
	2014	87.86	91.1
	2015	95.31	90.98
B.A (General)	2011	75.48	-
	2012	78	79
	2013	50.63	74
	2014	65.21	77.2
	2015	52.17	76.36

> Details of the program wise pass percentage for the last four years.

B.Sc (General)	2011	66.66	-
	2012	93.18	87.2
	2013	84.44	100
	2014	73.62	86.9
	2015	75.75	84.3
	2011	100	-
	2012	43.75	-
B.A (Major)	2013	33.33	-
	2014	100	-
	2015	50	-
B.Sc (Major)	2011	100	-
	2012	80	-
	2013	85.71	-
	2014	86.66	-
	2015	61.11	-
M.A	2011	72.22	
(Sanskrit)	2012	100	
	2013	100	
	2014	80.43	
	2015	95.12	
M.Sc	2011	96.77	
(Physiology &	2012	100	
Sericulture)	2013	92	
	2014	77.77	
	2015	100	
			1. 0.0011.1 1

For comparison with our previous performance, the results of 2011 have been included and as such no other column has been introduced.

* The data have been taken from the website of S. S. College, Jiaganj for comparison. As there are no data corresponding to B. A.(Maor), B. Sc.(Major), M. A.(Sanskrit), M. Sc.(Physiology & Sericulture) it is not possible to compare our results.

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

- The Institution always strives to equip the students with the best in academics. The latest researches in different subjects are incorporated, supported by requisite reading material. Many of our students have been rank holders at the University Examinations in the last four years and their number is on the increase. This ensures to a certain extent of student progression to higher education. Students are encouraged by the respective departments to go for higher education.
- They are also offered information and guidance for clearing admission tests conducted by the Universities and different higher educational institutes for admission to PG courses.

The College conducts coaching for competitive examinations enabling the students for qualifying government and non-government jobs. Career Counselling Cell arranges campus interview for placement of the students in private sectors.

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

- The departments arrange tutorial classes and remedial coaching for slow learners as well as for students who are at risk of failure.
- Teachers take special care to relatively weaker students individually, to cater their specific academic needs.
- Financially weaker students are provided with concession in tuition fees. They are also encouraged to apply for scholarships available to them.
- Parent- teacher meeting are held at regular intervals to create awareness among the guardians in this regard.

5.3. STUDENT PARTICIPATION AND ACTIVITIES

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

- The college organises annual sports, indoor and outdoor games and cultural activities throughout the year. The department of Physical Education, Games and Sports Committee and Science and Culture Committee organise these activities in keeping with the mission of providing an all-round holistic education for the students. They are motivated to actively participate in these activities.
- The college organises annual sports to identify the promising athletes. The indoor games include table-tennis, carom, chess and outdoor games include football, volleyball, badminton, basketball and cricket. Interclass competitions are held every year in those games.
- The college also boasts of having the Science and Culture Committee which looks after the grooming of the cultural aspects of the students. Students' Union of the college organises annual cultural and social program, fresher's welcome under the guidance of the Cultural Committee. Competitions are arranged in music, dance, recitation, debate, extempore, quiz etc. in which the students get opportunity to show their talent. The students of the college have duly participated and excelled in cultural and sports and games competitions in the University, District, State and National level.

Sl. No.	Extra/ Co-curricular activities	Date	No. of participants
1.	Raja Krishnath Day Celebration and	January 5	200
	Annual prize ceremony		
2.	Annual Sports	January 2 nd week	150
3.	Republic Day Celebration	January 26	100
4.	Annual Social and cultural function	January 4 th week	300

> Details of participation and program calendar:

5.	Antarjatik Matribhasha Dibas	February 21	125
6.	Rabindra Jayanti Celebration	May 9	80
7.	Independence Day Celebration	August 15	150
8.	Teachers' Day Celebration	September 5	180
9.	Fresher's welcome	November 3 rd	300
		week	
10.	Indoor games and cultural competition	December 1 st	250
		week	

5.3.2. Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University/ State/ Zonal/ National/ International etc. for the previous four years.

> Details of participation and achievement of the students in co-curricular, extracurricular and cultural activities in last four years are given in the following table.

SI. No.	Activity/ Event	Level of Competition	Sessio n	No. of particip ants	Organized by	Participation/ Achievement
1.	Youth Parliament Competition Sponsored by Department of Parliamentary Affairs, Govt. of West Bengal.	District	2010- 11	15 (one team)	Berhampore College	Participated
2.	Youth Parliament Quiz Competition	District		04 (two teams)	Berhampore College	1st and 2 nd
3	Youth Parliament Quiz Competition	State		02 (one team)	Department of Parliamentary Affairs, Govt. of West Bengal.	Participated
1.	Youth Parliament Competition	District	2011- 12	15 (one team)	Berhampore Girls' College	Participated
2.	Youth Parliament Quiz Competition	District		04 (two teams)	Berhampore Girls' College	2 nd and 3 rd
3.	Youth Parliament Quiz Competition	State		02 (one team)	Department of Parliamentary Affairs, Govt. of	Participated

					West Bengal.	
1.	Youth Parliament Competition	District	2012- 13	15 (one team)	Jangipur College	Participated
2.	Youth Parliament Quiz Competition	District		04 (two team)	Jangipur College	1 st and 3 rd
1.	Youth Parliament Competition	District	2014- 15	15 (one team)	Berhampore Girls' College	2 nd
2.	Youth Parliament Quiz Competition	District		04 (two teams)	Berhampore Girls' College	1 st
3.	Youth Parliament Extempore Competition	District		02	Berhampore Girls' College	2 nd
4.	Youth Parliament Quiz Competition	Divisional		02 (one team)	University of Kalyani	1 st
5	Youth Parliament Extempore Competition	Divisional		02 (one team)	University of Kalyani	2 nd

Details of participation and achievement of the students in sports and games during the last four years are furnished below :

Sl. No.	Name of Even	Level of	Organised	Venue	Participation	Remarks
		Competition	By		Achievement	
1.	КНО-КНО	National	All India Univer		Participant 01	Atashi Ghos
2.	YOGASAN	National	Yoga Associatio	Yuba Bharati	GOLD: 02	
				Stadium	SILVER:03	
					BRONZE: 02	
3.	КНО-КНО	State	K.U. Sports Div.	K.U. sports	RUNNER-UI	
	(Women)			Ground		
4.	КНО-КНО	State	K.U. Sports Div.	K.U. sports	SEMI-FINAI	
	(Men)			ground	STAGE	
5.	VOLLEY BAI	State	Women Sports	Shyamnagar	Participant 07	
	(Women)		Association			
6.	BADMINTON	State	W.B. Sports	Howrah	Participant 06	
	(Open)		Council			
7.	FOOT BALL	District	D.N. College	D.N. College	Team	
	(Men)			Ground	Participates	
8.	RUN 800m.	District	D.N. College	D.N. College	GOLD	Atoshi Ghos
	(Women)			Ground		
9.	RUN 800m.	State	K.U. Sports Div	K.U. sports	SILVER: 01	Atoshi Ghos
	(Women)			ground		
10.	RUN 400m.	District	D.N. College	D.N. College	BRONZE: 01	Atoshi Ghos
	(Women)			Ground		
11.	RUN 800m.	State	DPI	Yuba Bharati	Participant: 0	
	(Women)			Stadium		

<u>2011-2012</u>

Sl. No.	Name of Event	Level of	Organised	Venue	Participation	Remarks
		Competitio	By		Achievement	
1.	КНО-КНО	National	All India Univer	GNDU	Participant 01	
				Amritsar		
2.	YOGASAN	National	Yoga Associatio	Burdwan,	SILVER: 01	
				W.B.	BRONZE:03	
3.	КНО-КНО	State	K.U. Sports Div.	Palpara,	RUNNER-UI	
	(Women)			W.B.		
4.	КНО-КНО	State	K.U. Sports Div.	Palpara,	SEMI-FINAI	
	(Men)			W.B.	STAGE	
5.	FOOTBALL	State	K.U. Sports Div	K.U. sports	RUNNER-UI	
	(Men)			ground		
6.	VOLLEY BALI	State	Women Sports	Kontai	Participant 05	
	(Women)		Association			
7.	KABADDI	State	Women Sports	Digha	Participant 02	
			Association			
8.	BADMINTON	District	S.R.F. College	-	RUNNER-UI	
	(Women)			Ground		Khatun
9.	JAVELIN THR	District	S.R.F. College	S.R.F. Colleg	GOLD	Sujan Sarka
	(Men)	D · · ·		Ground	COLD	<u> </u>
10.	DISCUS	District	S.R.F. College	S.R.F. Colleg	GOLD	Sujan Sarka
11	THROW	<u><u>G</u>()</u>	KILC (D)	Ground	COLD	<u> </u>
11.	JAVELIN THR	State	K.U. Sports Div.	-	GOLD	Sujan Sarka
10	DISCUS	State	V.U. Sacata Div	Ground K.U. an arts		Swiger Soulto
12.	THROW	State	K.U. Sports Div.	K.U. sports Ground	SILVER	Sujan Sarka
13.	SHOT PUT	State	K.U. Sports Div		SILVER	Sujan Sarka
13.	51101 101	State	K.O. Sports Div	Ground	SILVER	Sujali Salka
14.	JAVELIN	State	DPI	Yuba Bharati	Paticipant: 01	
14.	JAVELIN	State	DIT	Stadium	i atterpant. 01	
15.	RUN- 800m.	State	K.U. Sports Div		BRONZE	Atoshi Ghos
<u> </u>	(Women)	State	R.O. Spons Div	Ground	DROTTLE	rttoshi Ghot
16.	RUN- 400m.	District	S.R.F. College	S.R.F. Colleg	SILVER	Atoshi Ghos
10.	(Women)	2154100	2.1.1.1. 20110.50	Ground		- noom onot
17.	RUN- 800m.	District	S.R.F. College	S.R.F. Colleg	BRONZE	
	(Men)			Ground		
18.	SHOT PUT	District	S.R.F. College	S.R.F. Colleg	SILVER	Sujan Sarka
			0	Ground		5

<u>2012-2013</u>

Sl. No. Name of Event Level of Organised Venue **Participation Remarks** Competitio Achievement by 1. KHO-KHO National All India Univer -----Participant 01 Atashi Ghos VOLLEY BALI State Women Sports 2. Contai, W.B. Participant 05 Association (Women) 3. JAVELIN THR DPI Yuba Bharati Participant 01 (Men) Stadium 4. JAVELIN THR K.U. Sports Div K.U. sports Sujan Sarka SILVER (Men) ground SHOT PUT K.U. Sports Div K.U. sports 5. State BRONZE Sujan Sarka ground (Men) 6. DISCUS State K.U. Sports Div K.U. sports SILVER Sujan Sarka THROW ground FOOT BALL 7. District S.R.F. College S.R.F. Colleg Team (Men) Ground Participated 8. BADMINTON District S.R.F. College S.R.F. Colleg Participant 01 (Women) Ground 9. JAVELIN THR(District S.R.F. Colleg GOLD S.R.F. College Sujan Sarka (Men) Ground 10. DISCUS District S.R.F. College S.R.F. Colleg SILVER Mahebub SI THROW Ground DISCUS S.R.F. Colleg BRONZE 11. District Sujan Sarka . S.R.F. College THROW Ground 12. SHOT PUT District S.R.F. College S.R.F. Colleg GOLD Sujan Sarka Ground (Men) RUN- 200m. 13. S.R.F. Colleg BRONZE District S.R.F. College Arup Monda Ground (Men) RUN- 400m. S.R.F. College S.R.F. Colleg BRONZE 14. District Ground (Men)

2013-2014

Sl. No.	Name of Event	Level of	Organised	Venue	Participation	Remarks
		Competitio	by		Achievement	
1.	КНО-КНО	National	All India Univer		Participant 01	
	(Men)					
2	KADADDI		A 11 T 1' TT '		D (: :) (02	
2.	KABADDI (Womon)	National	All India Univer		Participant 02	
3.	(Women) VOLLEY BALI	State	K.U. Sports Div.	K II sports	Team	
3.	(Men)	State	K.U. Sports Div.	ground	Participante	
	(IVICII)			ground	rancipance	
4.	BADMINTON	State	K.U. Sports Div.	K.U. sports		
	Single & Double			ground	Participant	
	(Men)					
5.	BADMINTON	State	K.U. Sports Div.	K.U. sports		
	Single & Double			ground	SEMI-FINAI	
	(Women)					
6.	RUN 1500m	State	K.U. Sports Div	-	SILVER	Tabassub
	(Women)			ground		Khutun
7.	RUN 1500m	State	DPI	Yuba Bharati	Participant:01	
	(Women)			Stadium		
8.	FOOT BALL	District	S.C.B.C College		SEMI-FINAI	
	(Men)	D ¹ · · · ·		Ground		
9.	BADMINTON	District	S.C.B.C College		SEMI-FINAI	
10	(Women)	D: / : /		Ground	DRONZE	0 0 1
10.	JAVELIN THR	District	S.R.F. College	S.R.F. Colleg	BRONZE	Sujan Sarka
11.	(Men) SHOT PUT	District	S.R.F. College	Ground	SII VED	Suion Sorto
11.		District	S.K.F. College	S.R.F. Colleg Ground	SILVER	Sujan Sarka
12.	(Men) RUN- 200m.	District	S.C.B.C College		Participant 1	
12.	(Men)	DISTICT	S.C.D.C College	Ground	i articipant. I	
13.	RUN- 400m.	District	S.C.B.C. College		Participant 1	
13.	(Women)	District	S.C.D.C. Coneg	Ground	r articipant. I	
	(women)			Gibullu		

<u>2014-2015</u>

- 5.3.3. How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the international provisions?
 - The college has particular format of collecting the feedback from its graduates to improve its performance and quality. Each year, after the part III Test Examination, the outgoing students are asked to fill up a detailed feedback format by the IQAC. The

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complaints and suggestions made by the students are seriously taken care by the Principal. During the meetings of the Alumni Association former students provide feedback. The IQAC visits the departments regularly and discusses with the teachers on the specific departmental feedback.

- 5.3.4. How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine and other materials? List the Publications/ materials brought out by the students during the previous academic sessions.
 - The students contribute and actively participate in publishing wall magazines of their respective departments regularly. Several permanent boards for wall magazines are put up on balcony walls and students maintain them the year round by writing and illustrating academic materials as well as stories, poems, articles. The best of these are chosen for the annual magazine. Students are always encouraged and guided by the teachers to express their creative potential using such platform. Magazine sub-committee of the Students' Union looks after such publications of students.

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

- Krishnath College has a formal Students' Council namely the Autonomous Students' Union for Day and Morning sections. The Students' Union is an elected body. The election to the Students' Union is conducted by the College Election Commission as per the constitution of the commission and rules of the affiliating university. A student representative is directly elected by the students for the Governing Body of the college. The class representatives elected by the students elect a General Secretary, an Assistant General Secretary and members of the different sub-committees, e.g. Games and Sports, Science and Culture, Magazine and Students' Aid fund from among themselves. The tenure of the Students' Union is one year.
- The Students' Union takes part in academic, administrative and extra-curricular activities of the college. It actively participates in social and cultural programmes organized by the college, like Krishnath Day celebration, Independence Day and Republic Day celebrations, Teachers Day celebration etc. Students' Union also organizes programmes like Freshers' Welcome, Interclass Indoor Games, Cultural Competition and Annual Social & Cultural function. Fund required for the activities of the Students' Union is provided by the college and it is collected from the students at the time of admission.

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

- > The following Academic and Administrative bodies have student representative:
 - a) Governing Body: Student representative (S.R) directly elected by the students.b) IQAC: (S.R to G.B)
 - c) Student-Teacher Co-ordination Committee: General Secretary (G.S)

- d) Anti-ragging Committee: (G.S)
- e) Building Sub-committee: (S.R to G.B)
- f) Krishnath Day Celebration Committee: (G.S and A.G.S)
- Statutory presence of Student's Representative (S.R) to the Governing Body- The Apex body- indicates the student's involvement in the decision-making process of the college. The Student-Teacher Co-ordination Committee deals with the students' grievances and makes recommendations for redressal. The Anti-Ragging Committee keeps close watch on the students in the college premises. Surprise visits are also conducted by the committee in the college hostels. The Building Sub-Committee looks after the construction works of the college in line with the decision of the Governing Body.

5.3.7. How does the Institution network and collaborate with the Alumni and the Former Faculty of the institution?

- The college gives considerable importance to its Alumni and Former Faculty. The Alumni Association "PRAKTANI" seeks to bridge the gap between the past and the present through their active involvements. The members of the Association become instrumental in transmitting the rich heritage values, experience and information to the present generation of students. The departments organize "Re-union" of their former students at regular intervals.
- The former faculty members of the college also maintain their links with the college. A few of them serve as guest lecturers to share their knowledge and experience with existing faculties. They are invited during the seminars, workshops and ceremonies held in the college. Their experience and valuable suggestions help the college management at the time of policy making for all-round development of the college.

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



CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision of the institution

- The college being established in 1853, there exists little in the name of a coherent statement of vision and mission that would answer to the higher education scenario in modern India and ascertain the institution's role within it. However, by collating the will and letters of Raja Krishnath of Cossimbazar, one can deduce the vision of a liberal, secular institution where students from all religions and social communities would be treated at par and given the best available western education in the languages, humanities and modern sciences. This dream has been part of the Raja's endeavor to lift his people out of a medieval caste-based education, into the onward march of the Renaissance of Bengal. Added to this is the Government Indenture that would speak for itself. Together, they spell the mission of imparting the highest quality of education to a backward people in a perfectly democratic and secular atmosphere, reaching out to the most downcast.
- The institution aims to educate students coming from various sections of the society, a fraction being first generation learners, inculcate human values, develop leadership qualities and human-hood in accordance with the major objectives of higher education policies of the nation.
- > To sustain the cultural and educational heritage globally and to make this institution one of the best educational institute of the country. The management, staff and students are committed to do this by heart and soul.

Mission of the Institution

- ➤ To follow up its glorious tradition of excellent academic, cultural and historical performances, inclusive growth as well as quality assurance with equal opportunities.
- To make the learners good citizens who will steer the nation in sustained process of development.
- > To ensure the stakeholders to impart value aided education to serve society.

> The achievements of this college in several fields over the years have proved that this institution has been successful in fulfilling its aims and mission. In future, the institution will try to retain the tradition.

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

- > The management tries to implement the action plans chalked out in different recommending bodies. The Principal, teaching staff, non-teaching staff and other stakeholders are collectively involved in executing the same. The Principal along with the teaching and non-teaching members ensure that a stable academic atmosphere is maintained in the college.
- As Head of the institution Principal provides leadership in creating positive working environment and implementation of government policies.
- During college admission and university examinations, the admission committee and the examination sub-committee, respectively, keeps a very strong vigil to maintain a congenial disciplined environment in the college.
- The teaching and non-teaching staff are provided with technical support for improving their efficiency in discharging respective duties.
- The college has three post graduate departments (Physiology, Sanskrit & Sericulture). These departments enjoy partial financial and operational autonomy which reinforce a decentralised governance system.
- Since this is a government sponsored college, the administrative activities are regulated by the Higher Education Department, Government of West Bengal while the academic activities are governed by the regulations of the affiliating university, the University of Kalyani

6.1.3 What is the involvement of the leadership in ensuring :

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

- Guided by the institutional mission, the Principal discuses with the stakeholders, different sub-committees and cells such as IQAC, Teachers' council, Academic Subcommittee, Finance Sub-committee etc. and finally with the Governing Body in chalking out the policy statements and action plans.
- The college, being a Government aided one, is guided by the rules of the Government of West Bengal and the Principal maintains an effective liaison with the concerned authorities in formulating the policies.

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

- The action plans are finally approved in the Governing Body meetings after thorough discussions.
- Different sub-committees and cells, within their jurisdiction, undertake action plans which are integrated with the overall functioning of the college.
- The plans are then implemented at the ground level with active involvement of all the stakeholders.

> To secure the view-points of the end-users, feedback procedures are adopted.

Interaction with stakeholders

- Exchange of view-points regarding teaching learning process between the parents and the teachers is made continuously at the departmental level. The Principal also mediated at such meetings as and when necessary.
- The management seeks the confidence of the Teachers' Council, an important forum, in implementing certain key targets related to academic matters and overall development of the college.
- Other stakeholders are also co-opted while chalking out the trajectory of development of the institution. The non-teaching staff members are always encouraged to voice their opinion on crucial operational matters. Moreover, their representation in different bodies like Purchase Committee, IQAC, GB are also ensured.
- Officials of the affiliating university are kept in touch about the academic activities and the needs of the college.
- The Principal and the teachers regularly interact with the students, the most important stakeholder in the academic process. Their feedbacks on academic activities and campus facilities are scrutinised and necessary steps are taken to address their concerns.

Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders

- In view of the analysis of the students' feedback forms, the departmental teachers develop their academic planning within the limited autonomy.
- > The interactions with different stakeholders help the management in planning the policies more effectively.
- Prioritizing on the inputs given by the students which are often allied to a geographic location or socio-economic setting, the management tries to create an environment suitable for policy implementation.
- Inputs from the faculty members and students involved in different research projects help the "Research Committee" to prepare the future plans.
- > The college authorities understand the need of the hour such as profit oriented educational system, demand for utility based education, incorporation of new technologies in the methodology etc.

Reinforcing the culture of excellence

- Since the inception of the college in 1853, the institution was known as a centre for spreading knowledge having excellent academic environment. Many renowned educationists like Rev. E. M. Wheeler, Acharya Brajendranath Seal, Prof. Ram pal etc. were the Principals of the college. Many distinguished personalities were either teachers or students of the institution. Following that tradition, the authorities try to reinforce the culture of excellence and the faculty members are thereby encouraged to upgrade themselves, to conduct research projects funded by different agencies as a result of which the most important beneficiaries are the students.
- The college serves the society by running active NSS unit. Awareness is generated among the students by conducting seminars on Thalassemia, AIDS etc.

- The college runs a women's cell, "CHITRANGADA", which renders its service to gender issues. Sensitizing programmes are conducted for awareness among the female students.
- The PG Department of Sanskrit publishes a departmental journal (IISN-2319-9415) whereby the research activities are promoted significantly.

Champion organizational change

- The institution is very much learners-friendly to nurture the students in the best possible way so that they can be established in future. The institution remains committed to the cause of improving organisational change in an efficient and value-based manner. In this regard, the Principal keeps in mind the recommendations of the Governing Body, different sub-committees and cells. The Career Counselling Cell bridges the gap between job seeking students and the organisations seeing specific skills. Through its activities the cell tries to inculcate a spirit of professionalism among the students.
- The art of building consensus is a valuable life-skill and the students get a chance to experience such skills by managing their own issues through a democratic Students' Union to be elected annually. One student representative is elected annually who represents the students in the Governing Body.
- The Cultural, Magazine, Games Sub-committees facilitate unearthing of extracurricular talents of the students. Students participate in different intra- and intercollege competitions and make the college proud of their achievements.
- In order to expand higher education among all sections of the people, there are running centres of Netaji Subhash Open University (NSOU) and Rabindra Bharati University (RBU) within the campus of the college. The number of students enrolled in the centres is increasing day by day indicating the importance of off-campus enrolment as well as the desire for higher education.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

- Internal coordination is provided through the meetings of the statutory bodies, different sub-committees and with other stakeholders. These interactions help the authority in assessing, reviewing and implementing the policies, recommendations and developmental plans. Teachers' Council takes important decisions in all academic matters following the recommendations of the academic sub-committee which are implemented by the authority.
- The Teachers' Council helps in forming several sub-committees and cells for assisting the Principal in various academic, administrative, cultural, extra-curricular and disciplinary activities.
- The students' union, an elected body of the students, with a senior faculty member as President bridges the students and the college administration. Different cultural, social events, indoor and outdoor games, annual sports are organised by the students' union.
- Limited administrative and financial freedom are enjoyed by the departmental heads. They, after having consultation with the other faculty members of the respective departments, decide on the matters such as purchase of new books and equipments,

maintenance and up-gradation of the laboratories (when fund is available), preparation of departmental routine and teaching plans, class tests etc.

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

The representative of the teaching staff members is the Secretary, Teachers' Council. All issues concerning the council members, academic or administrative are informed to the Principal through the TCS. The list of different sub-committees and cells are prepared by the TCS having consultation with the council members in TC-meetings.

- The coordinator of IQAC along with the members of the cell continuously monitor and advice regarding quality enhancement and sustenance. The IQAC coordinator takes action plans in proper coordination with the TCS and the Principal.
- The heads of different departments have continuous supervision so that the departments can function smoothly.

6.1.6 How does the college groom leadership at various levels?

- The students of the college are encouraged to take part in various co-curricular and extra-curricular activities so that their leadership qualities can be nourished. An active participation in NSS and NCC activities, surveys conducted by different departments and the seminars conducted by the college and various departments ensures an overall development of the students.
- One elected students' representative is a member of the Governing Body (GB). Four representative of the teaching staff and two representatives of the non-teaching staff are also members of the GB.
- The senior-most teacher is generally entrusted with the charge of the college in the absence of the Principal where important decisions have to be taken on behalf of the Principal.
- Senior members of the teaching staff lead various sub-committees and cells and help in organising admission, students' union election, seminars, Raja Krishnath Day Celebration (College foundation day), annual sports, publication of college magazine etc. Almost all the teachers are members of these committees and through active involvement they learn from their seniors which would benefit them in future.

6.1.7. How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

- Regarding syllabus distribution, routine, in-house projects, internal examiners in B. Sc. Honours & General practical examinations conducted by the affiliating university, purchase of books and equipments etc., the different departments under the supervision of their respective heads take decisions of their own.
- The different units like NSS, NCC, Grievance Redressal Cell, Career Counselling Cell can plan their activities enjoying operational autonomy.
- The post graduate departments also design admission procedure, syllabus modulation etc. indicating operational autonomy which reinforce a decentralised governance system.
- The students' union publishes the college magazine under the guidance of the faculty member in-charge of magazine sub-committee. They have autonomy in deciding the various competitions to be held and the annual social function to be organised by the cultural sub-committee in consultation with the faculty member in-charge of that committee.

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

➤ Yes, of course. The college promotes a culture of participative management indicated by the active participation of all the stakeholders in the decision making process. The teachers, non-teaching staff members and other supporting staff are deeply involved in the functioning of the college which makes things transparent and efficient. The Principal takes decision in a democratic manner after detailed discussion with different units such as GB, Teachers' Council and any other stakeholder whenever needed.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is developed, driven deployed and reviewed?

- Yes. The Internal Quality Assurance Cell (IQAR) along with Governing body prepares proposals and suggestions after thorough assessment of Annual Quality Assurance Report (AQAR) and having feedback from different committees.
- The proposals are conveyed by the Principal to the teachers and discussed in the meetings of the teachers' council. Plans are also offered and sometimes extended by the Alumni Association. The quality policy is monitored, reviewed and rectified (if necessary) time to time by IQAC from feedback analysis.

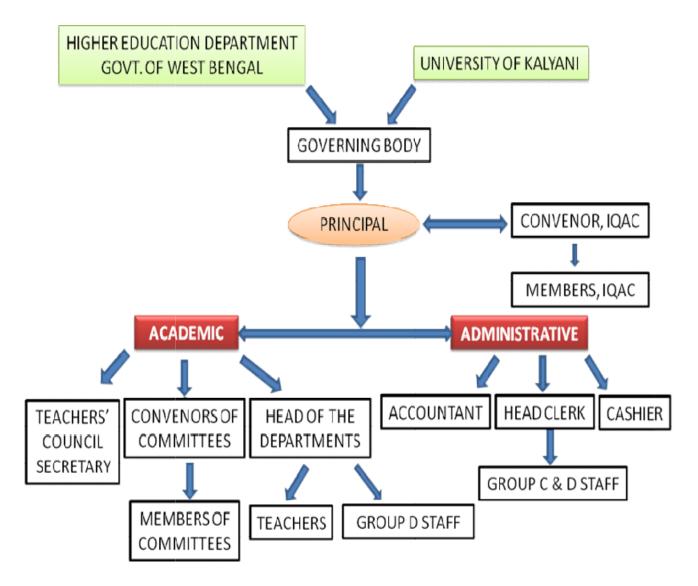
6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

The perspective plan for development is designed through the cumulative effort of the Principal, Governing Body, IQAC, teachers' council and office staff. In this regard, the State Government and UGC Grants are utilized for :

- > academic development like up gradation to PG courses, opening of new UG courses
- infrastructural development like enhancement of laboratory facilities by acquiring more instruments, glasswares, chemicals, computers etc.
- construction of new class rooms and college buildings
- construction of new hostels

6.2.3 Describe the internal organizational structure and decision making processes.

The internal organizational structure and decision making processes can be depicted in the following chart :



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- 6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following
 - **Control Teaching & Learning**

Teaching aid	Assessment	Remedial	Faculty	Seminar /
		Classes/Special	improvement	Workshop
		Tutorials	programme	
1.Blackboard	UG:	1. Remedial classes	1. FDP(Dr.	1.Participatio
(Whiteboard), Chalk	Class test	for SC, ST and	Abhijit	n
(Marker pen), Duster	Annual test	minority students	Banerjee, Dr.	2.Organizatio
2. Overhead projector		2. Special practical	Arnab	n (Physics,
3. LCD projector	PG:	session before final	Ghosh)	History,
4.Computer with internet	Semestar	practical	2. Refresher	Pol.Sc, &
facility	examination	examination.	course	Philosophy
5. Structural Model		3. Special tutorial	3. Orinetation)
for illustrating the		classes	programme	
three dimensional			4. Post doctoral	
molecular structure			activity (Dr.	
of organic			Anagha	
compounds.			Chakraborty)	
- used by Dept. of			5. Short term	
Chemistry			courses	
6. Periodic table				
(Chemistry)				
7.				
Ancient/Medieval/Modern				
maps and globes (History)				
8. Clay model, chart				
(Physiology, Zoology,				
Botany)				
9. GPS instrument				
(Geography)				

Research and Development

- a) Minor research project
- b) Major research project (See section 3.1.5.)

- Community engagement
 - a) **NSS activity** Students of both Science and Arts departments participate in various NSS programmes.



Plantation of trees in "BANOMAHOTSAV 2015" organized by NSS unit, K.N. College





b) NCC activity – Students also take active participation in different NCC activity like blood donation, free eye checkup etc.

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- c) Research project on environment - By the first year students of Undergraduate course
- Arsenic free drinking water Arsenic free water treatment plant installed for d) college students, staffs and neighborhood locality.
- e) Welfare funds –Created by faculty members for helping financially weak students. A separate welfare fund for teachers also exists to help the teachers in need.
- f) Project on Health check-up - Study of Health Status of Rice mill worker, Sargachhi, Murshidabad, Bidi Worker of Aurangabad, Bagdamin Catcher of Sandesh khali, Sundarban, 24 pgs(s), Nurses of Berhampore Hospital, Tea worker of Malbazar, Jalpaiguri, Traffic police of Berhampore, Goldsmith of Khagra ,Berhampore, Blacksmith of Berhampore, Carpenter of Gorabazar, Berhampore by students and teachers of Department of Physiology.

\triangleright Human resource management

* The teaching faculty, in addition to their class room teaching, are actively involved in various administrative jobs like conducting admission, students' union election etc. They also participate in various cultural activities of the College. Many of them are engaged in research and publication and carrying out their own research project. The College always encourages the teachers to enhance their academic activity by availing FDP (Faculty development programme), participating and organizing seminars, workshops, refresher courses, orientation programmes etc throughout the year. Training classes are organized for non-teaching staffs to increase their computer skill for smooth functioning of the official activities.



Training class of office automation for office staffs

SSR 2015



Teachers participating in the cultural programme to observe "EKUSHE FEBRUARY"

The students of the College participate in community work under the NSS unit of the College. They also organize the Annual Social Function, Fresher's welcome, Teachers' day and actively participate in different inter and intra college competitions and sports. They play a significant role in different cultural activities organized by the college.



Students participating in the cultural programme on Independence day





Yoga training class for girl students organized by the women cell "CHITRANGADA"



 \triangleright

Industry Interaction :

Prof S.K. Ghosh, Prof. B. Banerjee and Prof. S. Nath visited Aquamina water plant, Shiv flour and rice mill, Nawab Plastic factory and one Steel factory in Murshidabad on 19.03.2015 while attending 2 weeks faculty development programme on entrepreneurship organized by Webcon Consulting (India) Ltd, Berhampore (an organization promoted by financial institutions, Banks and Government bodies) sponsored by Department of Science and Technology, Govt. of India under DST-NIMAT project.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders to review the activities of the institution?

After thorough analysis of filled in Feedback forms from outgoing students, head of the institution shares his / her view regarding departments, library, canteen and other campus facilities with Governing body members in Governing body meeting. Suggestions from parents in Parent-Teachers meeting are also considered in this regard. Moreover, each and every activity of the institution is notified in College notice board as well as in the "NOTICE" and "FORTHCOMING ACTIVITIES" menu of the college website.

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

Each and every staff of the college is member of different administrative and academic sub- committees. Convenors of the sub-committees arrange meetings at regular intervals. Plans and objectives are documented in a way accessible to all committee members with definite and particular assignment of duties to each individual member.

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

The resolutions made in the GB meetings are recorded in the minutes and preserved in the Principal's office.

Date of the	Some relevant resolutions taken in the meeting	Status of Implementation
GB meeting	some recoant resolutions taken in the meeting	
06.01.2014	A Teacher Representative will be incorporated in the Committee comprising of Prof. Prodip Majumder, Prof. Smt. Papiya Banerjee, Sri Tinkari Sarkar and Sri Alok Majumder to look into the vacancies of non-teaching staff of the college. The four teacher-members of G.B. & the two non-teaching members of the G.B. would be the members of a committee to oversee the morning section of the college. If the Cooperative Credit Society Ltd earns any profit, it will have to pay tax as per rule. Those whose promotions are due should formally apply to the Principal as per rules. The Refresher Courses attended by the teachers are to be approved by the G.B. Rupees 15 Lakhs of the Department of Sanskrit should be utilised for constructing a separate building. The topic in terms for the post of T.I.C was taken for discussion. The Principal presented a list of eligible teachers who would be resourceful in taking the concerned charge. The list was approved by the members of the G.B. The senior-most teacher in the list is Sri Kalyanaksha Ghosh and a letter be sent to him for seeking his consent as to whether he is willing to take charge after the retirement of the Principal on 28 th day of February, 2014	Process duly started. Various ways to do with the issue have been taken up. Duly audited & reqd. formalities are made. Necessary processing has been done. Approved. Alternative proposals are being considered in connection with the construction.
25.01.2014	Regarding the students' hostels President expressed his concern over the deteriorating condition of the hostels. He urged for the use of cooking gas in all the hostels and emphasised on the importance of cleanliness in hostels as well as toilets in general. A team comprising teaching and non-teaching members and students' representative should periodically visit the hostel to sort out any emergent problem with the help of hostel superintendents.	Necessary arrangements have been made. Frequent visits have been made.
27.07.2014	It was resolved that the T.I.C. is entrusted with the charge of formalising the visit of the President of India in collaboration with T.C, NTC of College. It was also further resolved that this visit of the President of India should be made successful in all respect by overcoming all odds, both financial	Done successfully.

Following Table shows relevant GB resolutions in the last year are given below:

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	and anomisational abstacles	
	and organisational obstacles.	
	The members of G.B. expressed their heartfelt gratitude to Mr. Adhir Ranjan Chowdhury for his pivotal role in making the visit of Sri Pranab Mukherjee, the President of India on 23.8.2014 at	Noted for future reference.
19.11.2014	Mukherjee, the President of India on 25.8.2014 at the college, a reality. Resolved that the statement of expenditures placed by the TIC be approved. Considered the formation of IQAC for the college, following the guidelines for the creation of IQAC by NAAC. Resolved unanimously that the following persons would comprise the new IQAC of the college with Dr. Safalla Kr. Ghosh as its co-ordinator. The members are : 1. Principal/TIC-Chairperson 2. Dr. S. K. Ghosh(chem.)- Co-ordinator (i)Dr. M.Bhattacharya(phy) (ii)P.P.Bannerjee(eng) (iii) Dr. B.Banerjee(chem) (iv)Dr. A.Banerjee(maths) (v)Dr. D.halder(bot) (vi)Dr. K.Nandi(physiology) (vii)Dr. M.Hoque(pol sc.) (viii) Dr. Arijit De(Chemistry) (ix) Dr. Santanu Bhaduri(Member G.B) (x)The Chairman, Berhampore Municipality (xi)Secretary TC(K.N.C) (xiv) Executive (xii)Secretary TC(K.N.C) (xiv) Executive Engineer from PWD/Zilla Parishad/their representative	Formed accordingly and intimated to the internal and external members.
	Resolved that the proposal of the TIC to form a small committee to expedite the preparation of staff- pattern of the NTs be accepted and the following persons would comprise the committee: 1. Dr. Dinesh Halder(Bot)(Convener) 2. Dr. Manabesh Bhattacharya (Phy) 3. Sri. Subrata Bhattacharjee (H.C) 4. Sri. Paritosh Karmakar (Off. Asst) and 5. Sri Santanu Roy (Lib.Asst) Mr. S Bhattacharjee(H.C) will co-ordinate the matters of the committee so as to the functioning of the committee . It is hoped that this committee will be able to resolve the issue at the earliest. Resolved that the contract be made with M/S RUPANTAR for developing the college website along with online admission. TIC is also	Duly done.

	authorised to observe the necessary formalities i.e. getting quotations/LOI etc. from other parties in this regard.	
	Two new members are being incorporated in the existing IQAC $-$ i) Dr. Somes Ray, Former Principal of the College and ii) Dr. K. Basu (Roy) (Physics), G.B, member to make the IQAC a broader one.	Incorporated and Intimated.
	Modifying the requirements of temporary staff (one group D and two Group C) ,further advertisement be given; the minimum qualifications would be same i.e ability to perform all sorts of official works through computer; the candidates who have applied earlier will be considered with the fresh applicants.	Process started but not yet completed.
	The house also raised the amount of	Intimated accordingly.
	expenditure to Rs. 10,000/- for which no prior sanction would require.	Implemented.
25.06.2015	Resolved that the G.B, K.N.College hails and endorses the appointment of Dr. Sujata Bagchi Banerjee,in the G.B meeting on 25.6.2015 at. 2.00 p.m who joined the post (vide CSC recon. Letter no. 1880/1(3)/KU/Recom (Prin)/CSC dated 29.4.2015) in place of Dr. Somes Ray (who retired w.e.f 1.3.2014) on the forenoon of June 16 th 2015.	
	Considered the issue of preparing the Budget for the session 2015-2016. It is resolved that principal would place the relevant budget with the recommendations of the F.C in another meeting.	Placed and passed.
	Resolved that Principal be entrusted with the charge of negotiating the appropriate authorities	Negotiation started.
	for continuation of the courses like Statistics	
	(Honours & Gen) & Computer Sc (Honours & General).	Relevant papers have been prepared and will be sent
	Considered the issues of introducing some new courses in the UG and PG level: (I) ENVS (Hons.), Biotechnology (Hons.), Education (Hons.) and Sociology (Hons.)	by December 2015 as required by the appropriate authority.
	- in the UG level and(II) Bengali, Zoology and English in the post	

Graduate level. Resolved that the Principal be authorised to move to the appropriate authorities for sanctioning the courses in the UG and PG level.	The process is initiated by the Principal.
The issue of creating new posts and reviving the approved posts be taken for consideration. Resolved that some new posts be created in the following subjects: 2 posts in Physiology (P.G) ; 4 posts in Sericulture (Major in UG and PG level; 2 posts in Tourism and Travel Management (Major) in the U.G level ; 2 posts in the Physical education. Further resolved that the Principal be authorised to move to the appropriate authorities for getting necessary sanctions in this regard.	Duly submitted to the appropriate authority.
Considered the filling up of the following 20 (twenty) vacant posts of Assistant Professor in different subjects, resolved that the Principal, K.N.College be authorized to send the proposal to the West Bengal College Service Commission for filling up the vacancies.	Submitted in due time.
Consider the proposal of Principal regarding the sending requisition to the College Service commission for Librarian. Resolved that the Principal is authorised to send the requisition vacancy against the Librarian. A post of Librarian in place of newly created post vide G.O No. 839 Edn (CS) dt. 31.8.1998 (post of Asstt. Librarian redesignated as Librarian vide G.O No. 68 (Edn (CS) dt. 15.01.2009) roster No. 01 for "SC" category.	Necessary fixations have been done. Other formalities are in the process.
The G.B considered the prayer of the Hostel Employees for their service benefits in line with the non-teaching staffs of Govt. Aided Colleges. Resolved that Principal be authorised to send the relevant papers to the appropriate authority for the speedy disposal of the matter.	

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

No.

- 6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?
 - > The teacher-student co-ordination committee tries to resolve the grievances/complaints (if any) of the students at its earliest convenience.
 - The grievance redressal cell for women takes care of the grievances (if any) of the girl students.
 - > The women cell of the college called "Chitrangada" addresses issues related to the female teaching staff, non teaching staff and girl students of the college. The cell has a six member committee, four teaching members, one non teaching member and one girl students' representative. The cell's main thrust is on gender- sensitization. The cell tries to maintain facilities for women on the campus, protects women's right and involves it in the arbitration of disputes pertaining to incidents of sexual or other harassment of women by acting as tribunal. Two mail ids are given in the college website for registering complains.
 - Besides, students' grievances are placed to the Principal directly or through General Secretary of Students' autonomous union. Similarly, Teaching and Non-teaching Staffs' grievances are placed directly to the Principal or through Teachers' Council Secretary and Head Clerk respectively.
- 6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute ? Provide details on the issues and decisions of the courts on these?

No.

- 6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?
 - ➤ Yes. The Principal goes through all the filled in feedback forms related to the performances by the Teachers, Librarian, Office staff and also regarding the various campus as well as hostel facilities. Thereafter, he/she meets the personnel/department/office individually if he/she feels it necessary and shares his/her suggestion and advice. The matters are sometimes discussed also in common forum like Teachers' Council according to Principal's discretion. IQAC and Governing body of the college are also included and invited for their suggestions.

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6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

- Faculties are encouraged to undertake F D P (Faculty Development Program).
- > Teachers are insisted to conduct Major and Minor Research Projects.
- Teachers are released to participate Seminars (International/National /State level), workshops as and when opportunities are there.
- Duty leaves are granted to deserving faculty members for attending Orientation Program & Refresher courses conducted by different Academic staff Colleges.
- N.C.C and N.S.S programme officers from teaching faculty are also participating in orientation and training programmes.
- Computer training programme for office automation has been attended by the non-teaching staffs. They also attend the workshops and meetings for Kanyashree and Minority Scholarships in the B.D.O office and the training programme for COSA implementation.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- Different departments of the college with help of the Principal, members of U.G.C and IQAC arrange National level/State level seminars, workshops funded by U.G.C or local bodies.
- IQAC together with the research committee keeps the records of research proposals submitted by the faculty members for minor or major research projects. Audited financial records of the completed projects are properly documented and preserved.
- ➢ Faculty members of P.G departments are empowered to enjoy specific academic autonomy in implementing syllabus in C.B.C.S as member of Board of studies and also to propose names of the paper setters and examiners for evaluating answer scripts etc. Few faculties of the college are members of the U.G Board of studies of different Universities (University of Gour Banga and Kalyani)and thereby empowered to revise the curriculum, if necessary.
- Women Cell "Chitrangada" arranges seminar, workshops, health care programme to empower girls students and women workers of the College as well as extended society.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

- Self appraisal system maintained by the Institution in which each faculty keeps a record of attendance – arrival and departure time, no. of classes allotted & taken and other academic, administrative and extra-curricular activities. These self appraisal reports (SAR) of each faculty are verified by the Principal.
- > The librarian and non teaching staff members also record their daily attendance in separate attendance register and checked by the Principal.
- There is a scope of CAS for non-teaching staff as well.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

- Management look after the performance appraisal reports at the time of confirmation of service of both teaching and non-teaching staff.
- Self appraisal reports serve as a necessary document for the CAS of the faculty. IQAC and the Management evaluate it strictly before sending the proposals to the appropriate authority.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- > Teachers' welfare fund availed by the teachers as and when required.
- K.N.College Employees Co-Operative Credit Society Ltd. All teaching and non-teaching staff members are benefitted from the society as per their requirement regularly.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

- The College is guided by the recruitment policy of Govt. Of W.B. and so it cannot appoint faculty on its own.
- The recruitment of the teaching staff is made as per existing rules following UGC norms through the West-Bengal College Service Commission.
- After the recommendation of the W.B.C.S.C. of the required faculties to the College, Principal also Secretary of the G.B. arranges a meeting of the G.B. and after that sends the appointment letter to them.
- ➢ To fulfil the need of any department where teaching staffs are less than the requisite number then retired teachers are appointed as Guest teachers for smooth running of the department.
- The postgraduate departments can invite eminent and retired teachers of different specialized fields to act as Gust teachers.

6.4 Financial Management and Resource Mobilisation

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

The institution has developed following strategies to monitor effective and efficient use of available financial resources and ensures transparency in financial management:

- > The Finance sub-committee prepares a proposed annual budget which is placed in the G.B meeting for recommendation.
- The U. G. C. sub-committee in its meeting with HOD's decides the allotment and utilization of grants received from the UGC & State Govt. The whole process is supervised by the principal.
- Purchase of anything above Rs.5000/- (recently Rs.10000/-) will be done through Purchase committee by inviting sealed tenders.
- Every department maintains its stock register properly and regularly and submits the adjustment of the allocated grant to the Principal with proper bills & vouchers.
- > Central stock register of the college office is also maintained properly.
- P.G. departments handle the financial resources separately supervised by the Principal.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

- Internal auditor is appointed by the college authority and internal audit is done by him regularly.
- External audit is done by the Govt. auditors Principal Accountant General, West Bengal at regular intervals. Audit of the UGC grants is done by registered Chartered Accountants and audited utilization certificates are sent to the UGC within stipulated time.
- Grants for seminars, symposiums, workshops, different research projects are duly audited by the reputed auditors and the utilisation certificates are sent in due course.
- ➤ The last Govt. Audit was done on 08.07.2015.
- > There are no major audit objections.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

> The sources of institutional receipts/funds generally come from the Statutory Bodies like UGC, State Govt. And sometimes from the Local Self Govts.

- The State Govt. Regularly provides funds for recurring expenditures; sometimes, grants may also be available from the State Govt. For specific non-recurring expenditures also. Besides, UGC provides grants for the Plan periods, both recurring and non-recurring.
- The management of the college always try to keep the expenditures within the limits of income. Though this affects the long term development strategies, the authority has no other alternative but to follow this conservative path.

SSR 2015

Statement of audited income and expenditure for Development Grant (Plan) in the last						
four years:						
SL.	Heads of Expenditure	2011-12			2012-13	
No		Allot	me	nt (Rs.)	Allotment (Rs.)	
		Received	Ex	kpenditure	Received	Expenditure
1	Chemicals, Equipment	NIL		0	NIL	1211
	& Glasswares					
2	Books & Journals	NIL		0	NIL	0
3	Contingenay	NIL		0	NIL	0
4	Furniture	NIL		156367	NIL	45266
5	Sports	NIL		61480	NIL	6895
6	Building	NIL		NIL		
SL.	Heads of Expenditure	2013-14		2014-15		
No		Allotment (Rs.)		Allotment (Rs.)		
		Received		Expenditure	Received	Expenditure
1	Chemicals, Equipment	NIL		0	NIL	0
	& Glasswares					
2	Books & Journals	NIL		0	NIL	0
3	Contingenay	NIL		0	NIL	0
4	Furniture	NIL		0	NIL	46052
5	Sports	NIL		3480	NIL	41120
6	Building	25692	09	0	NIL	1322403

Stat	Statement of audited income and expenditure in Non-Plan Grant in the last four years:					
SL.	Heads of Expenditure	2011-12		2012-13		
No		Allotn	Allotment (Rs.)		nent (Rs.)	
		Received	Expenditure	Received	Expenditure	
1	Salary	48653785	48528996	45529773	49509212	
2	Ad-hoc Bonus	84000	84000	90000	90000	
3	Wages	NIL	0	NIL	0	
4	Travelling	NIL	36328	NIL	33179	
5	Electricity	NIL	236614	NIL	316101	
6	Telephone	NIL	48577	NIL	56925	
7	Maintenance	NIL	881120	NIL	829931	
8	Other Office Expenses	NIL	118681	NIL	72229	
9	Other Charges (008)	NIL	0	NIL	0	
10	Other Charges (009)	NIL	0	NIL	0	
11	WBHS, 08	NIL	0	NIL	0	
12	Rent,Rates & Taxes	NIL	0	NIL	0	
13	A.M. Birthday Celebration	NIL	0	NIL	0	
SL.	Heeda of Even on ditune	2013-14		20	14-15	
DL.	Heads of Expenditure	20	13-14	20	14-15	
No	Heads of Expenditure		13-14 nent (Rs.)		nent (Rs.)	
	Heads of Expenditure					
	Salary	Allotn	nent (Rs.)	Allotn	nent (Rs.)	
No	-	Allotn Received	nent (Rs.) Expenditure	Allotn Received	nent (Rs.) Expenditure	
No 1	Salary	Allotn Received 53064406	nent (Rs.) Expenditure 59039071	Allotn Received 49948689	nent (Rs.) Expenditure 52264259	
No 1 2	Salary Ad-hoc Bonus	Allotn Received 53064406 145400	Expenditure 59039071 145400	Allotn Received 49948689 150000	nent (Rs.) Expenditure 52264259 171000	
No 1 2 3	Salary Ad-hoc Bonus Wages Travelling Electricity	Allotn Received 53064406 145400 NIL	Expenditure 59039071 145400 30026	Allotn Received 49948689 150000 NIL	nent (Rs.) Expenditure 52264259 171000 0	
No 1 2 3 4	Salary Ad-hoc Bonus Wages Travelling	Allotn Received 53064406 145400 NIL NIL	Expenditure 59039071 145400 30026 49059	Allotn Received 49948689 150000 NIL NIL	Expenditure 52264259 171000 0 25280	
No 1 2 3 4 5	Salary Ad-hoc Bonus Wages Travelling Electricity	Allotn Received 53064406 145400 NIL NIL NIL	Expenditure 59039071 145400 30026 49059 347438	Allotn Received 49948689 150000 NIL NIL NIL	nent (Rs.) Expenditure 52264259 171000 0 25280 367188	
No 1 2 3 4 5 6	Salary Ad-hoc Bonus Wages Travelling Electricity Telephone	Allotn Received 53064406 145400 NIL NIL NIL NIL	Expenditure 59039071 145400 30026 49059 347438 62411	Allotn Received 49948689 150000 NIL NIL NIL NIL NIL	nent (Rs.) Expenditure 52264259 171000 0 25280 367188 54710	
No 1 2 3 4 5 6 7	Salary Ad-hoc Bonus Wages Travelling Electricity Telephone Maintenance	Allotn Received 53064406 145400 NIL NIL NIL NIL NIL NIL	Expenditure 59039071 145400 30026 49059 347438 62411 384179	Allotn Received 49948689 150000 NIL NIL NIL NIL NIL NIL NIL NIL	Expenditure 52264259 171000 0 25280 367188 54710 108629	
No 1 2 3 4 5 6 7 8	Salary Ad-hoc Bonus Wages Travelling Electricity Telephone Maintenance Other Office Expenses	Allotn Received 53064406 145400 NIL NIL NIL NIL NIL NIL	Expenditure 59039071 145400 30026 49059 347438 62411 384179 77713	Allotn Received 49948689 150000 NIL NIL NIL NIL NIL 150000	Expenditure 52264259 171000 0 25280 367188 54710 108629 195604	
No 1 2 3 4 5 6 7 8 9	Salary Ad-hoc Bonus Wages Travelling Electricity Telephone Maintenance Other Office Expenses Other Charges (008)	Allotn Received 53064406 145400 NIL NIL NIL NIL NIL NIL NIL	Expenditure 59039071 145400 30026 49059 347438 62411 384179 77713 0	Allotn Received 49948689 150000 NIL NIL NIL 150000 NIL	nent (Rs.) Expenditure 52264259 171000 0 25280 367188 54710 108629 195604 0	
No 1 2 3 4 5 6 7 8 9 10	Salary Ad-hoc Bonus Wages Travelling Electricity Telephone Maintenance Other Office Expenses Other Charges (008) Other Charges (009)	Allotn Received 53064406 145400 NIL NIL NIL NIL NIL NIL NIL NIL NIL NIL	Expenditure 59039071 145400 30026 49059 347438 62411 384179 77713 0 0 0	Allotn Received 49948689 150000 NIL NIL NIL 150000 NIL NIL NIL	Expenditure 52264259 171000 0 25280 367188 54710 108629 195604 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

Though the scope of getting non-statutory funds is very limited to the college, still some assistance from different bodies such as "Murshidabad Jilla Parishad" (SAJAL DHARA PRAKALPA for ARSENICK FREE WATER), Berhampore Municipality(Tax Waiver), "PRAKTANI"(ALUMNI ASSOCIATION)(Provided reference books and study materials to different departments) and individuals (providing different endowments in the form of cash and kind to the meritorious students of this college) are being availed

6.5 INTERNAL QUALITY ASSURANCE SYSTEM (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?
- The College has established newly constituted IQAC on 19.11.2014.
- IQAC plays its role in monitoring teaching, research and different activities of each department to make the institute learner's friendly
- Annual internal academic audit report of every deptt. and the feedback collected from every student are considered.
- Positive activities of the deptt. are appreciated. Remedial measures for the weak points are suggested.
- Library and infrastructural facilities of every deptt. are monitored.
- The college has research committee to activate the research work.
- Annual Quality Assurance Report is made by IQAC.
- NSS and NCC units are engaged in different institutional and social activities.



b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

The decisions of IQAC taken in its meeting could be implemented through institutional endeavour only. The following table shows the details of implementation:

Year	Date of meeting	Broad area of	Implementation Status
		Discussion	
2014	23.12.2014	Promotion under	24 teachers submitted
		CAS of the 25	papers for promotion.
		teachers	22 teachers had been
			promoted.
			Promotion of two teachers
			is under process.

- c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.
 - ✤ Yes.
 - External members are invited to enrich IQAC with their experience.
 - ◆ The list of external members and composition of IQAC are noted below:
 - 1. Dr. Somes Roy, Former-Principal of this college.
 - 2. Mr. Debojyoti Biswas, Secretary, Alumni Association of this college.
 - 3. Mr. Nilratan Adhya, The Chairman, Berhampore Municipality.
 - 4. Mr. Tapan Das, The Asst. Engineer, PWD, Berhampore.
 - 5. Dr. Santanu Bhadhuri, Berhampore College, Berhampore.
 - They are offering valuable suggestions and active co-operation for the development of this institution

Composition of IQAC

Chairperson	Dr. Sujata Bagchi Banerjee, Principal, Krishnath
	College.
Co-Ordinator	Dr. Safalla Kr. Ghosh, Associate Professor in
	Chemistry, Krishnath College.
Senior Academic	Dr. Somes Roy, Former-Principal, Krishnath
Member	College
Teacher Members	Prof. Santa Chakraborty, Associate Professor in
	Economics and Secretary, Teachers' Council.

	Dr. Manabesh Bhattacharyya, Associate Professor
	in Physics.
	Prof. Partha Pratim Banerjee, Asst. Professor in
	English.
	Dr. Abhijit Banerjee, Asst. Professor in
	Mathematics.
	Dr. Dinesh Halder, Asst. Professor in Botany.
	Dr. Krishna Nandi, Associate Professor in
	Physiology.
	Dr. Mizanul Haque, Associate Professor in Pol.
	Science.
	Dr. Bisweswar Banerjee, Associate Professor in
	Chemistry.
	Dr. Krishnakali Basu Roy, Associate Professor in
	Physics.
	Dr. Arijit De Associate Professor in Chemistry.
Member from the	Dr. Santanu Bhaduri, Associate Professor,
Management	Berhampore College and Hon'ble member, G.B.
management	Krishnath College
Local Society	1. Mr. Nilratan Adhya, Chairman Berhampore
Members	Municipality
	Hon'ble member, G.B., Krishnath College.
	2. Mr. Tapan Das, Asst. Engineer, PWD
Student	SR to G.B.
Representative	
Alumni	Mr. Debojyoti Biswas, Secretary, Alumni
Representative	Association Krishnath College.
Non-Teaching Staff	Mr. Subrata Bhattacharrya, Head Clerk, Krishnath
Representative	College.

d. How do students and alumni contribute to the effective functioning of the IQAC?

- SR to G.B. is incorporated in the IQAC to present the opinion of the Student Community.
- Students are the primary stakeholders. Their feedback is treated with utmost care.
- ✤ At present, there is no active Students' Union.
- The Secretary, Alumni Association is a member of IQAC and the Alumni Association is very active, sincere and co-operative for the better development of the College.



✤ The Alumni Association encourages the students by donating reference books in different departments, organising seminars. They also extend their hands of co-operation to the poor but meritorious students financially and to the brilliant students through prize distribution for better achievements in the university examinations.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

- The Principal is the Chairperson of IQAC.
- Apart from the Principal, present teachers from different departments as well as alumna are taken as constituent member of IQAC.
- Head clerk of the office has been incorporated in IQAC from non-teaching staff.
- All the members of IQAC are made aware of the role of IQAC in the development of college through formal meeting and discussion. Role of IQAC in CAS of the teachers is also discussed in the meeting and communicated accordingly.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalization.

- ✤ The College has an integrated framework for quality assurance of the academic and administrative activities.
- ✤ IQAC monitored academic and research activities of every deptt. through internal evaluation process or annual internal academic audit.
- ✤ As students are the primary stake holders, importance is given on student feedback reports.
- As this district is academically backward, coaching or tutorial classes have been arranged for poor and slow learners.
- Availability of books and journals has been increased in the library.
- Students are allowed to use internet, computer in the deptt.
- Progress of student is monitored through class test, home assignments and result of the test examination etc.
- Interaction and discussion with guardians carried out through parentteachers meeting in the deptt.

- Softwares like COSA, E-Prodhan and KOHA have been introduced to facilitate the quality of administrative and academic activities.
- Internet facility is available in all the departments.
- Whole College Campus is under CCTV camera for better surveillance.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

As this is a Govt. Sponsored college, there is no scope for providing training to its staff in general.

- UGC Recommendations and Govt. Orders related to CAS of teachers and guidelines of IQAC have been circulated to all the teachers.
- All the teachers are encouraged to participate in the courses for self up-gradation listed below:
 - i) Refresher Course
 - ii) Orientation Programme
 - iii) Faculty Development Programme
 - iv) Research Methodology
 - v) Participation & presentation of paper in seminar/workshop etc.

6.5.4. Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

The principal, chairperson of IQAC and the other members of IQAC make necessary arrangements for internal academic audit.

- Regular performance of the teacher is supervised by the Principal.
- Annual confidential report of the faculty member is also made by the Principal.
- These steps are taken to evaluate the faculty members to ensure that the teaching-learning process is aimed towards academic excellence.

6.5.5. How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

- ✤ IQAC follows the rules and regulations of the UGC; DPI, Govt. of West Bengal; University of Kalyani and recommendations of NAAC etc.
- ◆ A transparent online admission process is conducted.
- All academic and economic facilities are provided to the SC, ST, OBC and Minority students.
- Value based education is provided to the students as far as practicable.
- PG courses are studied in the departments of Sericulture, Sanskrit and Physiology.
- The College has Career Counselling Cell, Womens Grievance Cell and Antiragging Cell.
- Smart Class room has been introduced.
- ✤ Interventions of G.B. and IQAC have facilitated quality enhancement and sustenance.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

- * Through students' feedback mechanism and annual internal academic audit.
- Library facilities are increased by providing more books, journals and internet facility.
- Books from individual departmental library are also available to the students.
- Students' performances are monitored by consideration of results in the class test, annual test and university exam.
- Interactions between students and teachers inside and outside the class room is encouraged.
- Necessary steps are taken to provide various scholarships to the backward and poor students to continue their study.
- Relaxation in fees is given to the poor students.
- Proper guidelines are given to the students to crack different competitive exams.

6.5.7.How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

- Through the college website, college prospectus and notifications.
- College magazine is published in every year.
- Different relevant programmes like prize distribution ceremony, seminars are arranged by the Alumni Association and the college authority to inspire and appreciate the activity and performance of the students.
- Wall magazines are published by the departments.
- A journal is published by the Sanskrit department.

Any other relevant information regarding Governance, Leadership and Management which the college would like to include.

- The IQAC plays its role to make the college Learner's friendly. IQAC conducts meeting to keep observation on the academic performance of the college.
- IQAC suggests appropriate measures to help the deptt. to achieve excellence in teaching.
- The college has research Committee. It helps to monitor research activity of different deptt.
- IQAC and research committee encourage faculty members to be involved actively in research and recommend their proposals to get different research projects from UGC, DST etc.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

Krishnath College situated on the east bank of the river "Ganga" in the Gorabazar area of Berhampore in the Murshidabad district of West Bengal, boasts of a rich tradition in the maintenance of Environmental Consciousness. The college campus of 15 acres contains lush green field, century old palm trees, gigantic trees, rare trees, mulberry and castor plants, chirping birds, chattering monkeys, gentle breeze flowing from River Ganges, creating a soothing environment within the campus. The main building was constructed during British regime following environment-friendly architecture. The campus hosts many endangered faunal species like squirrel, monitor, golden monitor, krait etc. The infrastructural development of the campus has always been done keeping in mind the least attack on environment during the last five years. The stake holders of the college are committed to promote a healthy environment and hopeful of achieving quality education through innovation.

7.1.1 Does the institute conduct a Green Audit of its campus and facilities?

Although no formal Green Audit is conducted the Institutions committed to keep an eco friendly environment within the campus by taking steps to ensure a clean and green environment.

7.1.2 What are the Initiatives taken by the college to make the campus ecofriendly?

- The college has tried its best to keep the long green campus eco-friendly by maintaining trees which are the natural habitat of Birds, Squirrels and Monkeys and the campus contains trees which provide fruits to them. The species include Samania saman (Khirish), shorea robusts (Shal), Jarul, Royal Palm, Bakul, Neem, Champa, Jamun, Jackfruit trees, Castor Apple, Guava, Tamarind, Plum, Papaya etc.
- Some birds identified in the campus are little egret, parrot, dove, white wagtail, little green Bee-eater, common mayna, Brahmins starling, Krishnath College is very sensitive to the issue of energy conservation. The efforts include assessment of electricity usage and energy loss due to faults and leakages. Students and staff are mobilised to cut down on power use through posters, leaflets fixed to the switch boards.
- The college tries to keep the campus a polythene free zone by restricting uses of polythene bags, cups, dishes within the canteen, department and in office. The NSS volunteers regularly engaged in picking up every bit of non biodegradable waste from the campus. The college authority encourages the students not to use eco-unfriendly polythene bags.

Energy Conservation

- Krishnath College is well aware of the air polluting emissions in the environment and the college is fast switching over to the use of modern low and energy consumption resources to minimize electricity consumption. It has implemented energy saving techniques by unplugging appliances when not in use. Existing energy consuming tube light and fans are replaced with energy saving appliances, Use of natural light in propagated in the campus. Floor peons switched off light and fans when room are unoccupied.
- Printers and copiers are not in "on" mode when not in use. Sleep mode of computers and monitors are activated.

Use of Renewable Energy

> The College is planning to install solar panel.

Water Harvesting

A small century old rainwater preservation system exists in the campus, roof water in collected and stoked in a reservoir and the reserved water in partially used for chemistry laboratories and partially for gardening. The college is planning to install water harvesting as a major project as it is an added resource to existing water supply and reduces soil erosion and contamination of surface water.

Check dam construction

As the college campus belongs to an urban area this not applicable under the purview of the college.

Efforts for carbon neutrality

The greenery in the college campus effectively neutralizes the harmful effects of emission of carbon dioxide. Proper care is taken to maintain the emerald environment. Planting of trees regularly done, especially during "Aranya Saptaha" (3rd week of July every year) last year 100 saplings has been planted. These create awareness amongst students about importance of our oxygen provider trees. The institution has installed low carbon emitting green generations.

Plantation

Each year college regularly organizes "Aranya Saptaha" through planting sapling thus helping to create a pollution-free atmosphere in the campus. A medicinal plant garden is maintained by the department of botany to sensitize the students about medicinal



properties of such plants. The teachers of botany department through their continuous efforts have identified all the existing trees and identified nameplates have been attached to the trees. Specimens of plant components for study of botany practical classes are collected from the college campus.

Hazardous Waste Management

The main outlet for hazardous waste in the campus is the chemistry laboratory. Care is taken that such waste does not mix with the general waste of liquid chemicals. Reagent solutions and other chemicals which are relatively safe are disposed off in the laboratory drainage system. Acid digestion is done in a special chamber. But toxic chemicals, solid waste chemicals, broken glassware etc. are collected in delicate disposal cans. Finally the disposal cans from all the laboratories is collected and disposed by the college at places marked by the local authority.

E-waste Management

Non-working computers, monitors and printers are discarded and scrapped on a systematic basis. Useful parts of electronic devices are kept aside for future uses.

7.2 INNOVATIONS

7.2.1 Give details of innovation introduced during the last four years which have created positive impact on the functioning of the college.

Details of innovation during the last four years are given below :

- * Academic Innovations
- The college successfully has initiated full-fledged online admission into undergraduate and postgraduate courses. As a result there is no scope for admission errors.
- A blended mode of traditional blackboard teaching and ICT enabled teaching is in operation during last few years.
- Focus is put to improve the quality of education and evaluation. The faculty are encouraged and sponsored to attend various seminars/conferences held in different institutions for self development.
- ➢ Following up of academic calendar.
- Inviting industry personnel to understand the importance of academic industry linkages.
- > Continuous evaluation system in the form of class test, annual tests.



- ➢ Special tutorial and remedial classes are arranged by different departments with a view to meeting the needs of the slow learner.
- In the PG courses and in some UG courses students perform their projects under the guidance of faculty members.
- Students are motivated to participate and present their work in workshops organized by external agencies.
- Almost all departments organize seminars, workshops in which students are encouraged to take leading roles.
- An e-library is being set up for students to get access to books that are at times unavailable in the market or too expensive to buy.
- Teaching members from other colleges and universities and research institutes to invited to deliver lectures.
- > Providing seminar library facility to UG and PG students.

✤ Innovations in infrastructural facilities

- > Providing smart room with LCD projector, A/C and smart Board.
- ➢ Well ventilated and well naturally lit classrooms.
- Generator facilities.
- Spacious laboratories with modern equipments, availability of water, gas reagents, chemicals.
- Enriched libraries with classical and modern books, journals, internet connection.
- > Facility of gymnasium in the campus as an aid to healthcare facilities.
- ➢ Facility of play ground.
- Facility of two girls' hostels.
- Facility of two boys' hostels.
- College receives grant from MP LAD scheme for construction of conference hall adjacent to library block.

* Socially responsible innovations specially in Gender Management

- College has set up women's Grievance cell following the guidelines of Ministry of Health and Family welfare in 2009.
- One counselling camp has been done by inside resource persons in January 2013. Counselling programme by adolescence counsellor, CMOH office, Murshidabad on 24th April, 2013. "with reference to PC and PNDT 2013 an awareness generation programme" save the Girl child, was organized by the college in collaboration with "CINI" Murshidabad on 14th September, 2013.
- The college complies with its social responsibilities through NSS by performing different activities detailed in criterion IV, section 4.1.2 and Criterion III, sections 3.6.1.& 3.6.7.
- NCC activities are detailed in Criterion III, sections 3.6.1 and 3.6.7.

Other innovations that have an impact on the functioning of the College

- CCTV cameras have been installed in the main building, annex building and in the library.
- The college has adopted "COSA" Method as directed by Government of West Bengal for paying salary to the college staff.
- College website has been restructured for updating all sorts of information on curriculum, faculty and academic facilities available for the students.
- Principal of our college regularly supervise the performances of the teachers through record maintained by the college.
- The Academic subcommittee consisting Departmental heads, senior faculty members, some members of the G.B., Teachers' council secretary calls out programme of issue and take policy decisions.
- Meeting of GB, Finance Sub-Committee, Building Sub-Committee etc are held at regular intervals of time for systematic planning, execution and evaluation of programmes.
- > Meetings of IQAC are held to ensure quality education.
- Publications: Sanskrit Department (PG).

7.3 Best Practices

7.3.1 Elaborate on any two best practices as per the annexed format, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Best Practice I

Field survey conducted by Economics Dept. to see the socio economic status of our surrounding for making students aware of the real life situation. For the last few years department of economics along with their students putting their efforts to work extensively in slum areas near college campus for estimating different economic variables through which the leaving standard of poverty stricken people are supposed to be reflected .

- <u>**Project I**</u> : A socio-economic-Demographic study of Gandhi Colony.
- <u>Project II</u> : A socio economic-Demographic study of Harijan pally of Murshidabad District in West Bengal

Objective-I:

To study the socio-economic pattern of the population of "Harijan Pally" and the "Gandhi Colony" through collection and computation of the data on total

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demographic character of population, literacy pattern, employment pattern, consumption pattern etc.

<u> Objective - II :</u>

To estimate the relationship between fertility rate and education status of mothers.

The context :

Krishnath College is situated in a highly backward district of West Bengal with a relatively large percentage of minority population. Both the study areas are slum areas which are deprived of basic amenities of life. They are hubs of ignorance of health and education. Nutritional facts are unknown to them. Students of economics along with their regular courses should be aware of the social environment. These studies can help them in understanding the problems encountered by the people in lower income strata. Suggestions arisen out of these studies may be referred to the respective higher authority for policy implications.

The Practice:

In the year 2012 the department of economics organized the socio economic survey from April to June 2012 and in 2013 from April to June 2013. The teachers of economics department prepared the questionnaire and approached the Harijan Pally ward No. 13 of Berhampore Municipality in the district of Murshidabad beyond college hours from 7a.m. to 10 a.m. in the morning. The senior members in the locality were explained about the purpose of the survey and the possible benefits therein. In 2013 our survey area was "Gandhi Colony" ward No.11 of Berhampore Municipality.

- On the very first day groups were formed from among IIIrd year students and each group was accompanied by a student group leader and a teacher. Each group was given responsibility to collect data from the target group through sampling.
- During the third month the data were processed and the data entry was done by the students. During data analysis our teachers helped them extensively in respect of constructing econometric models. Testing of Hypotheses was done and result of the surveys came out.

Impact of the practice :

- Impacts of such surveys are two-fold; one on the students and the other on the locality.
- The students of K.N.College became acquainted with the real life of slum areas. They also came to know about how to prepare questionnaire and how to perform the job of an investigator and these experiences will help them in higher education and in future job.
- ➤ The people in the areas, specially women came out of their social barriers, participated positively in answering questions and narrated them stores of gender discrimination, domestic violence, malnutrition of their children etc and requested us to refer their ill conditions to local authority and state authority. Our missions served as the beginning of a basic data base of Berhampore municipal slums that could be developed with further such surveys and the collected information may well become the genesis of a larger social welfare project in the near future.

Problems Encountered and resources required :

The Problems Encountered in working in the slums were not particular but manyfold as a part of a general social picture of the town where inequalities, maldistribution of resources, lack of education are perennial problems. The group of students were earnestly eager to do their job flawlessly faced some difficulties in eliciting information.

The main problems that our teams faced were as follows:

- I. Data collections on age could not be done flawlessly as parents failed to keep record on the ages of their family members.
- II. Most of the families failed to provide information on monthly consumption expenditure.
- III. They hesitated and under reported the facts of their conjugal life.
- IV. As most of them did not attain at least the class 8th standard, the investigators had to crosscheck the data several times.
- V. Though the women in the areas were willing to share their problems family pressures did not permit them to do that.

However patient counselling undertaken by our teachers broke the ice after few sessions. Interactive sessions with the interviewee paved the path for success of the surveys.

Contact Details

The Principal 1 Shahid Surya Sen Road P. O. : Berhampore Dist.: Murshidabad, PIN: 742101 State: West Bengal Office : 03482 – 252999 e-mail: <u>knc_principal@rediffmail.com</u> website : www.krishnathcollege.com

Best Practice II

Title

Students are motivated by the college through giving Annual Awards using college Endowment fund donated by Alumni, foreigners, Alumni Associations.

<u>Goal</u>

Krishnath College provides education to students covering several districts and a sizable portion of the of the student community belong to poor household and they need financial help. In order to ease their educational financial burden the college started collecting endowment from various persons for the last few decades and gathered amount up to 10 lacs and still in its hunt for donations.

Context

Toppers of each department are awarded memorial prizes and excellence prises. Memorial prizes are funded by the endowments out of donations from distinguished person abroad and Alumnis of this college. A scholarship of lum-sum amount is given to two meritorious and poor students one from Humanities and the other from science stream. Students are highly motivated by these award giving ceremonies. (see Section 5.1.2.)

The Practice

The College annually given away the awards on the 5th January of each year the foundation day of krishnath college which is the birthday of "Raja Krishnath" after whose name the college has been established in 1853. The awards are of the types in cashes in kind. Special arrangements are these to provide financial help to Leukaemia and Thalasemia ridden students.

Evidence of success

Since mid twenties the college has been performing this Job successfully. There remains an weather of competition among the students to grab the awards. The award winning students are found to be very successful in their post graduate courses and in other relevant courses

Problem encountered and Resources required

Since the College is the educational hub of several adjoining districts, it requires more endowment philanthropic persons

Post Accreditation Initiatives

Suggestions of NAAC Peer Team for Quality Enhancement implemented by the institution are:

- 1. Recruitment of Permanent Librarian by WBCSC and development of library with modern computers and software with internet facilities had been implemented.
- 2. Filling up of vacant teaching posts with young teachers recommended by WBCSC has been partially completed.
- **3.** Extra classrooms and a number of computers with internet facilities in each department have been provided.
- 4. A good number of teachers are engaged with minor research projects and Ph.D. programme to enrich research qualities and there is an increase in number of publications by the teachers.
- 5. A well-equipped smart room has been set up.
- 6. Local M.P. has recently granted an amount from his LAD fund. The Principal is continuously trying to procure funds from various stake holders.
- 7. Implementation of Physical Education as a combination subject for B.A General course.
- 8. A regular plantation has been established and proposal for Ayurveda Garden is an on-going process.
- 9. There has been a significant rise in teachers' participation in faculty development courses like Refresher courses and Orientation programmes in the period following the first accreditation.
- 10. P.G. Department of Sanskrit publishes annual journal with ISSN number.
- 11. NSS and NCC wings are regularly engaged in extension activities to help poor people and orphans.
- 12. Reprographic facility to the library has been added.
- 13. Maintenance of the building and extension of Girls' common room has been completed.
- 14. A well-equipped medical unit has been set up and weekly health check-up camp for students has started.
- 15. Ladies toilet facility has been renovated.
- 16. Basic facilities for physically handicapped students have been extended.
- 17. Chemistry laboratories and Cooking systems in hostels have been upgraded by LPG.
- 18. Job-awareness programmes are organized time to time and few students have already been benefitted.

EVALUATIVE REPORT OF THE DEPARTMENTS

Evaluative Report of the Department of Bengali

- 1. Name of the Department**BENGALI**
- 2. Year of Establishment (GEN); 1860 (HONS); 1962
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) UG (Honours, General & Compulsory Courses)
- 4. Names of Interdisciplinary courses and the departments/units involved Department is involved in the interdisciplinary Honours Courses in English & Sanskrit Department
- 5. Annual/ Semester/choice based credit system (programme wise) *Annual System in UG Level*
- 6. Participation of the department in the courses offered by other departments: NA
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc. : NA
- 8. Details of courses/programmes discontinued (if any) with reasons: NA

	Sanctioned	Filled
Professors / Principal	01	01
Associate Professors	0	03 *
Asst. Professors	04	01

9. Number of Teaching posts

* All base posts are Assistant Professor Post, upgraded by Career Advancement Scheme

Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 Years
Dr Sujata Bagchi Banerjee *	M.A. B.Ed. Ph.D	Principal	Drama	18	
Dr. Ashoke Singha Roy **		Associate Professor	Novel & Short Stories	30	
Dr. Sanat Goswami	M.A. B.Ed. M.Phil, Ph.D	Associate Professor	Novel & Short Stories	22	
Dr. Mausumi Bondyapadhyay	M.A. M.Phil, Ph.D	Associate Professor	Folk Literature	14	
Dr. Madhuri Biswas	M.A. M.Phil, Ph.D	Assistant Professor	Novel & Short Stories	05	

* Dr. Sujata Bagchi Banerjee joined as Principal of this College on 16.06.2015

- ** Dr Ashoke Singha Roy Retired on 31.07.2015
- 11. List of Senior Visiting Faculty : NIL
- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : NA
- 13. Student Teacher Ratio (programme wise) HONS- 12 : 1; GENERAL- 270 : 1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **NA**
- Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.
 M.Sc & Ph.D. ; M.Sc. ; M.A & Ph.D.-; M.A & M.Phil- ; M.A- etc.

Qualification	Permanent Faculty	Temporary Faculty
M.A & Ph.D.	04	

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

01- U.G.C. Minor Research Project (National), Amount Received: 1,90,000/-

- 17. Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. and total grants received: **NA**
- 18. Research Centre / facility recognized by the University: NA
- 19. Publications:

a)	Publication	per	Faculty	#
		1	2	

Name of the Faculty	No. of Paupers Nat / Int.	No. of Publications listed n International Databas	Monograph	Chapter in Books	Books Edited	Books with ISSN / ISBN No.	Citation Index	SNIP	SJR	Impact factor	H-Index	Book Chapter without ISSN / ISBN	Book Chapter with ISSN / ISBN
Dr.Sujata Bagchi Banerjee	20			12	1	5						4	10
Dr. Ashoke Singha Roy													
Dr. Sanat Goswami													
Dr. Mausumi Bondyapadhyay	07					1						02	
Dr. Madhuri Biswas	02					1							01

A detailed list of publication and paper presentations per faculty from date of joining up to 2015 is given in the Annexure 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 inter Departmental/Programme: *ENVS Project : 100% of 1st Hons. Student*
 - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NA

23. Awards / Recognitions received by faculty and students

Sl. No.	Name of the student	Award	Year
1.	Nandini Saha	1 st (K.U Final)	2012

24. List of eminent academicians and scientists / visitors to the department: NIL

- 25. Seminars/ Conferences/Workshops organized & the source of funding
 - a) State / Regional : NIL

b) National: NIL

c) International: NIL

26. Student profile programme/course wise:

Name of the Course /				Enr	olled	Pass
Programme (Refer Question No. 4)	Applications Received	Year	Selected	*M	*F	Percentage (year of passing)
B.A (HONS) in Bengali (for last 4 Acad. Years)	453	2009-10	50	13	35	100 (2012)
	473	2010-11	50	25	23	90.90 (2013)
	442	2011-12	50	28	18	87.50 (2014)
	494	2012-13	55	27	24	93.94 (2015)
B.A (GEN) in Bengali (for last 4 Acad. Years)	1486	2009-10	335	155	142	78 (2012)
	1523	2010-11	521	291	201	50.63 (2013)
	1546	2011-12	612	345	230	65.21 (2014)
	1584	2012-13	856	410	417	52.17 (2015)

M = Male F = Female

27. Diversity of Students

Name of the Course: B.A. Bengali Hons.	% of students from the same state	% of students from other States	% of students from abroad
2011-12	100	Nil	Nil
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil

Remarks: There are no scope to teach students from other states but the students come here different types economic and social structure, so the diversity of students are existing specially in rural and urban students-who are coming from different socio – economic back ground.

- 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services, etc.?
 Net 3 +4
 SET Ambalika Sarkar, 2011
- 29. Student Progression*

*

Student Progression	Against % enrolled
UG to PG	100%
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed • Campus Selection • Other than campus recruitment	
Entrepreneurship/Self-employment	

*We have no record keeping machinery. All data are collected from students and are approximate data

- 30. Details of Infrastructural facilities
 - a) Library

We have a Departmental Library besides Teacher's Staff Room containing 100 books for meeting the needs of the students.

b) Internet facilities for Staff &

Students

Department have Internet facilities E-Class-room facilities are given as per need

- c) Class rooms with ICT facility: 01
- d) Laboratories: NA
- 31. Number of Students receiving Financial Assistance from College, University, Government or Other Agencies

Acad.	Name of Student	Type of Scholarship	Amount of
Year		(from College for subject topper in	Grant (Rs.)
		the department)	
2013-	Tapasi Dey	M.R.A. Taha Prize	2000
2014			
2014-	Adity Roy	M.R.A. Taha Prize	2000
2015			

A good number of students also receive Minority scholarship and Kanyasree scholarship.

- 32. Details on student enrichment programmes (Special Lectures / Workshops /Seminar) with external experts: **NIL**
- 33. Teaching methods adopted to improve student learning
 Teachers are using Audio Gadgets to assist the teaching learning process.
 Visual are also being used as and when necessary.
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities Approximately 20 Student of the Department participated sincerely in NSS activities.

Students of the department staying in hostel participate in the various social work as Teaching to the Illiterate Persons, Blood Donation & Cloth distribution to the Poor people.

35. SWOC analysis of the department and Future plans

Strength:

- Dedicated teachers with high academic standard. Highly academic standard teachers are dedicated to teach students with modern though and languages
- Development of the student through cultural & extra-curricular activities.
- Well stocked seminar library.
- Approved Distance P.G. Course of "Rabindra Bharati University" & "Netaji Subhas Open University" are connected and enriched with the Department of Bengali of our College and Teachers enriched themselves to teach in P.G. courses

Weakness:

- Insufficient built-in space for class room.
- No Administrative Staff to handle Administrative work of the Department.
- No Departmental fund for small recurring expenses of the Department.

Opportunities:

- Well Organized Seminar & work shop enlightens student about the subject in a multifaceted fashion.
- Teacher are engaged in various research work & publish their research articles regularly & present the paper in the National or State Level Seminar sponsored by the UGC
- A bright Heritage of the department acquired much reputation for same teachers' contribution. A few among the renowned teachers were Ramgati Nayartna, Nalinesh Moulick, Sanktinath Jha etc.

Challenges:

- Limited freedom in deploying innovative teaching methods due syllabus and time constraints arising from the (1+1+1) Examination system adopted by the "University of Kalyani".
- The academic performance of the students of the Department is good, yet there remains further scope for improvement. The challenge is to retain and enhance the quality performance.
- Most of the students are coming from rural and remote area from the different part of the boarder district –therefore they need much care to be University ranker.
- Board of study of University Kalyani made the syllabus therefore there is challenge to improve and improvise the modern curriculum in the said syllabus.

Future plans:

- i) Opening of Master degree
- ii) Creation of Research atmosphere for both teachers and

students

- iii) Improvement of Departmental library
- iv) Extension of social service through the department





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#<u>Annexure 1 to Dept. of Bengali</u>

Research Publication by Dr.Sujata Bagchi Banerjee, Principal of Krishnath College,Berhampore.

Text or Reference books published by National publishers with an established peer reviewed system:-

Subject books by National/Local Level Publisher with ISBN/ISSN Numbers.

1. Rabindra anubade Rabindra natok rupantarita sristy (Bangiya Sahitya Samsad),

August'2011, Kolkata ISBN 978-89827-74-8 (Sole Author).

2. Raktakarobi Red Olenders Parul Library private Ltd, April'2014, Kolkata ISBN 978-81-9222584-0-9 (Edited book).

3. Oupanibeshikata,anubad prasangya Rabindranath, Bangiya Sahitya Sansad (Sole Author) ISBN No. 978-93-83590-23-0, May'2014.

4. Prasanga adhunik kabi o kabita mon o mononer katha (Sole Author) Sahityosangy, Kolkata, ISBN 978081-920939-0-1(Sole Author), December'2011.

5. Rabindra anubade Rabindranather kishor natok (Sole Author) Akash Publisher, February'2014.

6. Murshidabad o kichu ujjal beaktito, Murshidabad jela itihas chorcha Kandra, December'2011.

7. Edited Book:-Sahitya,Samaj o Darshan Bhabnai Vivekananda,Bangio Sahitya Samsad, March'2015, ISBN- 978-9383590-76-6

8. Kabita Prasanga ebong onamya Nandanik, March, 2006.

9. Parabase Paravase Madhusudan, Rabindranath o onamya, Akash January, 2008.

Chapter contributed to edited knowledge based volumes by Indian – National Level/Local Level publishers with ISBN/ISSN No. :

- a) Sristyr Rupantar Muktadhara thake The Water fall,Rabindranath Akhan (ISBN 81-7694-060-7). May, 2004, (Purba).
- b) Kuri akush shatakar nary Oupanyasik-Sangyta Bandyopadhyay ISBN 9789 381 245-36-1. January, 2014, (Ashadip).
- c) Sonartary Bhabonar Dikdiganto Sonar Tory Kabya Rabindranathar Martajybanpryati – ISBN 978-93-81329-15-3. February, 2012 (Ratnabali).
- d) Shashar Kabita Upanyasar Kathashilpo Kabir Lakha Upanyas ISBN 978-81-921883-8-6. July, 2013 (Art publishing).
- e) Prosango Probandha o Samalochona Sahitya Adhunikata O Rabindranath ISBN 978-81-89-82-77-1. July, 2011 (Bangio Sahitya Samsad).
- f) Adhunik Bangla Chotogalpo o kabita chyatonar bichitra saroni Chor ISBN 978-81-920939-6-3. November, 2011 (Sahitya Sangi).
- g) Akushar Bakti Jibon o samajbikkhan, Sukanta Gangopadhyay Abokash ISBN 23205385. Oct, 2014.
- h) Rabindranatya Charcha- Mukut o Crown ISBN 978-93-83016-42-6. April, 2015 (Pragha Bikash).
- i) Snatak Abyasik Bangla Samiksha, Sahitya Sangi, August, 2010.
- j) Naba Chatanai Banganari, January, 2015, ISBN-978-93-8 1245-56-9 (Ashadip).

- k) Sikhsabhabnai Rabindranath o Vivekananda,Mankar Ramkrishna Sikhsa Yatra,November,2012.
- Prasanga Haraprasad Sastri, Murshidabad Anusandhan, Murshidabad Itihas o Samaskriti Charcha Kendra, February, 2012.

Research and Academic contributions:

Research papers published in -

Referred Journals & indexed Journals -

i) Edulight – ISSN 2278-9545, Multi disciplinary Bi-annual & peer reviewed Journal: Vol-

2, Issue 4, November-2013 Notyr Puja o Dancing Girls worship.

ii) Sahitya Daskal (An International Yearly Bilingual Literary Magazine, 5th Year 1420)(ISSN No. 2320-012X) Kabi o natyokar Lorka o Bangla Kabita.

iii) Positive Attitude,Bulletine No.25 & 26,1-14 August,2011 Rabindranath Tagore in the West.

Referred Journals:

a) VisvaBharati Patrika- shraban posh 1414 – Rabindranather noyti Natak anubadak Jakhan Rabindranath.

b) VisvaBharati Patrika - Kartik posh 1420 - Desh Patrikai Rabindracharcha.

Non referred Journal:

- a) Balaka ISSN- 2230-9381 March 2013 Kabitar Bisoy Jakhan Rabindranath.
- b) Balaka ISSN-2230 9381 Dec 2011 Rabibaloyer Jotirmoyeera.
- c) Kabitirtha ISSN-0974 7583 June 2009 Ashapurnar Atmaannewsan.
- d) Kabityrtha ISSN- 0974 7583 May 2011 Rabindranather Natok King and Rabel.
- e) Kabityrtha ISSN 0974 7583 July 1983 1845 er Snalo Anubad.
- f) Balaka ISSN- 2230 9381 November 2010 Rabindranathkrita Rabindra Natoker Anubad.

Chapter in non-referred journal

- 1. Rabindranath and Prasanta Chandra, Korok, Sept-Dec, 2007.
- 2. Edward Thamsen and Rabindranath, Korok, Sept-Dec, 2008.
- 3. Manik-srita Nana Rager Bengali, Korok, Jan-April, 2008.
- 4. Kobi BankimChandra, Prajanma, February, 2013.
- 5. Kobi Dijendralal, Chetana, November, 2013.
- 6. Vidyasagar o Rajnarayan Basu, Udar Akash, Boimela, 2011.
- 7. Bigganvitik Rachani Ramendrasundar, Balaka, December, 2009.
- 8. Dijendralal Roy-r The Lyrics of Ind, Rodrang, winter, 2014.
- 9. Vivekanandar Kabita, Chetana, January, 2012.

Translation/Creative Writings and Storybooks/Stories and Poems

- 1. Four Stories in Japanjuddhe Meyara, (Amara) January, 2014.
- [Two Translated stories of Milan Kundera] Milan KUndera galpa samagra (kabitirtha), August, 2014, ISBN- 978-81-923673-7-8.
- Chutir galpa, Berhampore Boimela, February, 2014 (Short Stories for Children).

- 4. Nil Pakhir Palak (Novela) Chira Sabuj Lekha Sishu Kishor Academy, February- April, 2012.
- 5. Hobe Babur Golpa, Anandame La (Rabibasariya) Ananda Bazar Patrika.
- 6. Poem- Daily passergery-Desh, 2, April, 2010, ABP.
- 7. Poem- Bath Tabe Jalpari, Ananda Bazar Puja Number 2012.

Conference proceedings as full paper

1. Bharat Vidya – Vol-II,edited by Prof. Bhaskar Chattopadhyay – Annual Conference – 2003 Indian Myth in Tagore's Dramas and its Reflection.

2. Sripat Singh College, UGC Seminar Proceedings March -2012, Rabindranath o Bharotyotta – Rabindranather English Natokar Bharat, Chatana o Oupanibeshikatar Pravab.ISBN-81-89820-45-9

3. Subhas Chandra Bose Centenary College, UGC National Seminar 23 Feb 2012, ISBN-

978-93-82045-65-6, Rabindranather Pally unnayon Bhabona, Rabindrabaloer Jotirmoyeera Garmin Lokosanskriter unnoyne o Nary, Prokitir Bikase Rabindranath.

4. Kandi Raj College UGC National Seminar, 9-10 Jan 2012, ISBN- 978-81-924432-06 Rabindra Utsahe Mahakas Charcha.

5. Jangipur College: Sardhashatabarsa Utjapan Committee Oupanibashikatar Syratantrik chap o Rabindranather English Rachana. ISBN-978-81-9211- 883-00

6. Bharatbidya charcha – Bardhaman- Vol- II, Rabindranather Dristi o Bharotyo Samaj o Sanskriti, Ouanibeshikater chap o Rabindranather English Rachona.

 UTUC- UGC National Seminar 27th & 28th March 2014, ISBN-978-81925536-1-0 Swami Vibakananda: Sahitya o Darsane ayttijha o Adhunikata

Invited Lectures

1. 33th Murshidabad Book fair 2013-2014

Sub- Sardhashatabarshe Ramandrasundar Tribedi

Areas of Consultancy and income generated

Prof. Dr. Sujata Bagchi Banerjee:-

- 1. Resource person of Kanyasree Prakalpa Public lecture in 'Tathya o Samaskriti Daptor' 2014 in Several Schools in Murshidabad District.
- 2. N.S.S. Programme officer in Lalgola College (2011-2014)
- 3. Examiner of M.A (Bengali internal papers) to university of Kalyani-2015
- 4. Examiner of M.A (Bengali, Netaji Subhash Open University) 2007

Member

- * Member, All Bengal Principal's Council.
- * Member, Sports Council, University of Kalyani.
- * Member, Governing Body, Govt. College of Textile Engineering, M.S.D.
- * Vice-President, West Bengal College and University, Prof.Association Murshidabad Zilla Committee.

Dr.Mausumi Bandyopadhyay, Asst. Prof. in Bengali List of Publications

1. Bandyopadhyay M., *Madhyayuger Lokasahitye Dampatya Samparka*, Bhasha O Sahitya, 2011, *ISBN 81-8438-055-0*, p 1-103.

2. Bandyopadhyay M., *Bangla Chharai Bibaha O Bibaha Parabarti Dampatya Samparka*, Pathik Pragati, 2008, p 57-59.

3. Bandyopadhyay M., *Rabindra Sikshadarshan O kalantare Prasangikata*, Sikshadarpan, 2010, p 47-51.

4. Bandyopadhyay M., *Rabindra Chhotogalpe Manush O Prakriti*, Sundarban Alekhya, 2011, p 19-22

5. Bandyopadhyay M., *Bibhutibhusaner Kishore Galpe Nari Charitra*, Bodhiparna, 2010, p 102-106.

6. Bandyopadhyay M., *Bangla Sahitye narir Pratibad: Ekti Tulanamulak Alochana*, Srijani, 2011, p 13.16.

7. Bandyopadhyay M., *Chhoto Galpe Rabindra Byakti Jibaner Prabhab O Kalantare Prasangikata*, Kalajayi Bangla Galpakargan: Punarbichar, Prajna Bikash, 2011, p 34-39.

8. Bandyopadhyay M., Vivekanander Chokhe Nari, Bodhiparna, 2011, p 72-74.

9. Bandyopadhyay M., Vivekananda O Nari Siksha, Srijani, 2011, p 39-41.

10. Bandyopadhyay M., *Rupkatha O Upakathai Dampatya Jibaner Chabi*, Sahitya: Nana Prasanga, Prajna Bikash, p 104-106.

Publication of Dr.Madhuri Biswas, Asst. Prof. in Bengali

Book

Upannyaser Katha: Nirmaner Naturiti, Granath Bikash, ISBN: 978-93-83018-25-3, 2014, Kolkata

Chapter in a Book

Bangla Natake Pratibader Bhasha, By Debabrata Biswas, Publi-'Unish Satak' ISBN: 978-93-83521-173, 2014, Kolkata and Dr.Madhuri Biswas in a book – 'Alikbabu : Aliker,Biruddhya Pratibad'

Paper in Journal

'Academic Spectrum' ISSN - 0976-9323, "Jagori : Anubhabe, Anudhyane", 2012

Paper in Journal

'Open Eyes', ISSN – 2249-4332, 'Rabindra Sahitya Samalochanar Dhara', 2012

Publication of Dr. Sanat Goswami Deptt. Of Bengali

- 1. Mahasweta Devi: Chhotogalper Bhuban, Writobina, October, 2006 Nari Sahitya Sankhya.
- 2. Srikrishnakirtan : A Jaurnal or Indology & Sanskrit of The P G Department of Sanskrit, Krishnath College, Berhampore, West-Bengal, Volume IV,

November, 2009.

Number of papers published in peer reviewed journals (national / international) by faculty and students

3. Narimukti Andolan : Samakalin Samaj O Vidyasagarer Bhumika, Murshidabad Srijani Sahitya Patrika, October, 2013.

Evaluative Report of the Department of Botany

- 1. Name of the department: **Botany**
- 2. Year of Establishment: 1921 (GEN); 1970 (HONS)
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
- 4. Names of Interdisciplinary courses and the departments/units involved: NA
- 5. Annual/ semester/choice based credit system (programme wise): Annual
- 6. Participation of the department in the courses offered by other departments: NA
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NA
- 8. Details of courses/programmes discontinued (if any) with reasons : NA
- 9. Number of teaching posts

	Sanctioned	Filled
Professors		
Associate Professors		l (by promotion)
Asst. Professors	5	4

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualifica tion	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Amal Kr. Sarkar	M.Sc., M.Phil. Ph.D.	Associate Professor	Cytogenetics & Plant Breeding	15 yrs.	NIL
Sri Biplab Bandyopadhyay	M. Sc.	Assistant Professor	Cytogenetics & Plant Breeding	15 yrs.	NIL
Dr. Dinesh Haldar	M.Sc., Ph.D.	Assistant Professor	Mycology & Plant Pathology	11 yrs.	NIL
Dr. Dola Boral	M.Sc., Ph.D.	Assistant Professor	Environmental Botany	09 yrs.	NIL
Dr. Subhajit Bandyopadhyay	M.Sc., Ph.D.	Assistant Professor	Taxonomy of Angiosperms	09 yrs.	NIL
Smt. Uma Sinha	M.Sc.	PTT	Plant Physiology	22 yrs	NIL
Smt. Saheli Pal	M.Sc.	Guest Lecturer	Plant Physiology & Biochemistry	03 yrs.	NIL

11. List of senior visiting faculty:

NIL

- 12. Percentage of lectures delivered and practical classes handled (programme wise)by temporary faculty : Approx. 5% (by Guest Lecturer)
- 13. Student Teacher Ratio (programme wise): HONS: 7:1; GENERAL: 21:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sanctioned: 3; Filled-2 & Vacant-1; Part time: 2.

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

M.Sc & Ph.D. – 4; M.Sc.–1 & 1(PTT) & 1(Guest); M.A & Ph.D.- ; M.A & M.Phil. ; M.A. etc

16. Number of faculty with ongoing projects from a) **National**, b) International funding agencies and grants received:

i) Dr. Amal Kr. Sarkar, fund received Rs. 3.15 lakh (UGC)
ii) Dr. Dinesh Haldar, fund received Rs. 5.00 lakh (UGC)
iii) Sri Biplab Bandyopadhyay, fund received Rs. 2.50 lakh (WBBB)

- Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. and total grants received: NA
- 18. Research Centre / facility recognized by the University: NA
- 19. Publications: (*Annexure –I* attached for details)

i) Dr. Amal Kr. Sarkar-....: 11 Nos. + 1 Book

ii) Sri Biplab Bandyopadhyay ...: Nil

iii) Dr. Dinesh Haldar-....: 14 Nos.

- iv) Dr. Dola Boral.....: 05 Nos.
- v) Dr. Subhajit Bandyopadhyay: 23 Nos. + 1 Book

vi) Smt. Uma Sinha(PTT)..... Nil

vii) Miss. Saheli Pal..... Nil

20. Areas of consultancy and income generated: NA

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: 100%(Projects on Environmental Studies)

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : NA

23. Awards / Recognitions received by faculty and students :

Student Award:

Sl. No.	Name of the student	Award	Year
1.	Madhurima Sarkar	1 st (K.U Final)	2011
2.	Abhra Abir Choudhuri	3 rd (K.U Final)	2012
3.	Pinki Tikadar	2 nd (K.U Final)	2013
	Ankita Pramanik	3 rd (K.U Final)	
4.	Aniruddha Saha	3 rd (K.U Final)	2014
5.	Papia Chakraborty	3 rd (K.U Final)	2015

24. List of eminent academicians and scientists / visitors to the department: NIL

25. Seminars/ Conferences/Workshops organized & the source of funding

a) State / Regional :	NIL
b) National :	NIL
c) International :	NIL

26. Student profile programme/course wise:

Name of the	Applications		Enro	olled	
Course/programme (refer question no. 4)	received	Selected	*M	*F	Pass % (Yr of Passing)
B.A / B.SC. (HONS) (for last 4 Acad. Years)					(
Day Section 2009-10	247	25	18	03	88.90 (2012)
2010-11	296	25	13	10	73.33 (2013)
2011-12	302	25	10	08	88.23 (2014)
2012-13	327	32	20	07	100 (2015)
B.A / B.SC. (GEN) (for last 4 Acad. Years) Morning Section					
2009-10	189	60	12	0	100 (2012)
2010-11	201	70	26	02	80 (2013)
2011-12	209	70	10	03	61.54 (2014)
2012-13	228	80	31	05	87.50 (2015)

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Botany (Hons.)	100%	NIL	NIL
General Courses	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NET:	02
SLET/ SET :	04
GATE :	02
Civil Services :	02

Lectureship :	03
Corporate Sector:	03
School service :	08

29. Student progression

Student progression	Against % enrolled
UG to PG	70% (approx.)
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
EmployedCampus selectionOther than campus recruitment	NA
Entrepreneurship/Self-employment	NA

- 30. Details of Infrastructural facilities

 a) Library: Central Library and
 Departmental Library
 b) Internet facilities for Staff &
 Students: No c) Class rooms
 with ICT facility: No
 d) Laboratories: Hons.:-2,
 General:-1
- 31. Number of students receiving financial assistance from college, university, Government or other agencies:

Session	Name of Student	Type of Scholarship	Amount of
		(from College for subject topper in the department)	Grant (Rs.)
2013-14	Aniruddha Saha	R.Dutta Memorial prize	1000
2014-15	Papia Chakraborty	R.Dutta Memorial prize	1000

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Prof. P.D.Ghosh, Deptt. of Botany, University of Kalyani, delivered lecture on Tissue Culture, Plant Biotechnology & its application among the B.Sc.(Hons.) II & III yrs. Students.

33. Teaching methods adopted to improve student learning: Besides class room teaching field works and Botanical Excursion are also adopted in different phytogeographical areas to enrich and improve knowledge about the subject domain among the students.

EDUCATIONAL TOURS CONDUCTED BY THE DEPARTMENT OF BOTANY DURING THE LAST FOUR ACADEMIC YEARS

YEAR	COURSE	PLACE	NO. OF	ATTENDANCE
			DAYS	
	i)B.Sc.(Hons)IInd yr.	*Darjeeling and	*7days	*21 students+
		adjoining areas	(11.11.2011-	2 teachers +
			17.11.2011)	1 attendant
2011-	ii) B.Sc. (Gen.)IInd yr.	*Basantatala and	* 1 day	*108 students +
2012	+ B.Sc.(Hons)Ist yr.	adjoining areas	(19.01.2012)	5 teachers
	iii) B.Sc.(Hons.)Ist &	*Indian Botanic	*2 days	*43 students +
	IInd yr.	Garden & Agri-	(1&2. 2.2012)	5 teachers
		Horiculture		
		Society, Kolkata		
	i)B.Sc.(Hons)IInd yr.	*Basantatala and	*1 day	*18 students +
		adjoining areas	(16.01.2013)	1 teacher
	ii) B.Sc.(Hons) IInd	*Oil & Pulse	*1 day	*38 students +
2012-	yr. & IIIrd yr	seed research	(30.01.2013)	2 teachers
2013		station,		
		Berhampore		
	iii) B.Sc. (Gen.) IInd		* 1 day	*115 students +
	yr. + B.Sc.(Hons)Ist	*Basantatala and	(30.01.2013)	5 teachers
	yr.	adjoining areas		
	i) B.Sc.(Hons)IInd yr.	*Darjeeling and	*6days	*24 students +
	& IIIrd yr	adjoining areas	(02.12.2013 to	2 teachers
		ungonning urous	07-12.2013	2 (00011015
2013-	ii) B.Sc.(Hons.)Ist &	*Indian Botanic	*2 days	*34 students +
2014	IInd yr.	Garden & Agri-	(20&21.	4 teachers
	B.Sc.(Hons)IInd yr.	Horiculture	02.2014)	
		Society, Kolkata	,	
		*State Sericulture		*15 students +

	iii) B.Sc.(Hons)IIIrd	Research Centre	*1day	2 teachers
	yr.		(27.02.2014)	
	i) B.Sc. (Gen.)IInd yr.	*Basantatala and	*1 day	*105 students +
	+ B.Sc.(Hons)Ist yr.	adjoining areas	(05.02.2015)	5 teachers
2014-				
2015	ii) B.Sc.(Hons)IIIrd yr.	*State Sericulture	* 1 day	*16 students +
		Research Centre	(25.02.2015)	4 teachers

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The farmers of the surrounding villages are usually come to our department to identify the different types of crop diseases. The teachers of the department identify the diseases according to their expertise and recommended the remedial measures. Besides this, also provide necessary suggestion to avoid the disease in every year. Occasionally as per requirements of local administrative body, also provide our expertise among the official personnel as per their needs.

35. **SWOC** analysis of the department and Future plans

Strength: The department has five very competent teaching faculties, most of them are Ph. D. degree holders with expertise in their own specialization and also have efficient skill in respective topics of the subject. The students of the department have maintained very good and consistent results at the university level, many of them occupied the position in the merit list. The department has sufficient number of microscopes, necessary instrumental facilities to meet up the necessity as per syllabus. The department also has a rare collection of permanent slides, fossil specimens and herbarium sheets. Presently, three research projects in various field like biodiversity, microfungal study, mangrove ecology , funded by UGC, Eastern Zone, Kolkata. Sufficient number of books in different topics including rare titles are available in the departmental library for the departmental students as well as faculties.

Weakness: The department has a major crunch of space because of gradual increase in number student strength. The number of laboratory staff as well as technical person are very less due which regularly face various problems. There is no separate room for herbarium, preserved materials and instrument in the department. Unfortunately, we have no internet facility in our department, obviously facing enormous problems.

Opportunities: As per our expertise of the teachers, we are engaged in various fields of research. Not only that ,if we get proper scope and opportunity, ready to dedicate

ourselves in research programme in future. The department has teachers from various specializations like Cytogenetics & Plant Breeding, Mycology & Plant Pathology, Environmental Botany as well as Taxonomy of Angiosperms, obviously which is very much beneficial for the department.

Challenges: With the increasing number of seats, both Hons.& General courses, there is a major problem in conducting theoretical and practical classes in the department. The shortage of non-teaching staff is also creating problem during the classes. Limited freedom in deploying innovative teaching methods due to university recommended syllabus as well as time constraints arising due to (1+1+1) examination system adopted by the University. Computer with internet facility is urgently needed for the students and faculties to upgrade the knowledge and recent information about the subject areas. Due to insufficient financial assistance, we have no freedom to upgrade the departmental facilities regularly.

ANNEXURE-I to Dept. of Botany

Name: DR. AMAL KUMAR SARKAR Publications:

- 1. Sardar, A.K., **A.K. Sarkar** & K.K. Mukherjee (1994). Morphological and biochemical variations in monoecious and dioecious *Trichosanthes* Spp. Phytomorphology, 44 (3&4): 177-186.
- Mandal, R.N., Dolan Champa Ghosh, A.K. Ghosh, A.K. Sarkar & K.R. Naskar (1995). On distributional records of *Scyphiphora hydrophyllacea* Gartn. And *Atalantia correa* M. Roem. from the intertidal mangrove forests of the Indian Sundarbans. J. Natl. Bot. Soc. 49:71-74
- Naskar, K.R., R.N. Mandal, Dolanchampa Sarkar, Neera Sen and A.K.Sarkar (1997) Investigation on seedling development, vis-à-vis plantation of *Heritiera fomes* Buch-Ham. beyond the intertidal non-saline zones. J. Interacad. 1(3):177-182.
- 4. Nasker K.R., D. Ghosh, N. Sen, R.N. Mandal and **A.K. Sarkar** (1997). Mangrove ecology of the Indian Sundarbans: its impact on the rural economy and coastal environment. J. Interacad. 1(1):49-60
- 5. Sen, Neera, D. Sarkar, **A.K.Sarkar** & K.R. Naskar (1997). A note on algal flora of Sundarbans, West Bengal. J. Interacad. 1(3):189-197.
- 6. Sen, Neera, D. Sarkar, **A.K.Sarkar** & K.R. Naskar (1999). Phytoplankton abundance in the water bodies of Sunbarbans. Coastal Zone Management.pp 146-149 dited by Prof. A.D. Mukherjee, Jadavpur University.
- Gupta, K., S. Nag & A.K. Sarkar (2000). Resourse inventory and information system- an approach for micro-level planning Geomorphology & Remote Sensing. Chap, 12:92-102, edited by Prof. V.C.Jha, Viswa Bharati University.
- Sarkar, A.K., G.G.Maiti and S.K.Mukherjee (2012). Seedlings of Mangrove and its impacts on the Ecosystem of Sundarbans. In: Maity, G.G. & S.K.Mukherjee (Eds.) *Multidisciplinary Approaches in Angiosperm Systematics* - Multidisciplinary Approaches in Angiosperm Systemics (Vol. I & II)-International, Pp-445-448.
- 9. Sarkar, A.K. (2015). Plant Colonization in different habitats of the coastal area of Sundarbans, West Bengal. International Journal of Pharmaceutical Reseach and Biosciences ,4(3):167-173.
- Sarkar, A. K. (2015). Evaluation of soil-site suitability of different mangroves in coastal saline area of Indian Sundarbans. International Journal of Pharmaceutical Reseach and Biosciences, 4(3):174-179.

 Sarkar, A.K. (2015). Mangroves and their Ecological Impacts on the Estuarine Ecosystem of Sundarbans, West Bengal. Advancement in Plant Sciences. Edited by B. K. Jana &S. K. Mukherjee. LAP-LAMBERT Academic Publishing, Germany. Pp-114-121.

Book Publication:

i) Sarkar, A.K. (2015). Mangroves and their Ecological Impacts on Sundarbans Ecosystem of India. LAP LAMBERT Academic Publishing, Germany. Pp-152.ISBN-978-3-659-71933-2.

Name: BIPLAB BANDYOPADHYAY Publication :- NIL

Name: DR DINESH HALDAR Publications:

1. Haldar D., Das. A.K. and Chottopadhaya. B.K. (1997). Two more dematiaceous fungi from West Bengal. *J. Mycopathol. Res.* **35** (1):59-62

2. Haldar, D.; Das, A.K. Ray, J.B. and Chattopadhaya, B.K.(1998).Two Foliicolous hyphomycetes from West Bengal. *J. Mycopathol. Res.* **36**(1):45-47.

3. Das, A.K., Bandhapadhaya, A., Bandhapadhaya, R.,**Haldar, D**. and Sharma. J. (1998). Phytopathogenic fungi of cash crops of the Darjeeling Hill. *J. Hill. Res.* **11**(2) 248-251.

4. Haldar, D., Das, A. K., Ray, J.B. and Chattopadhaya, B.K. (2000). Three dematiaceous foliicolous fungi of West Bengal, *J. Mycopathol. Res.* **38**(2):93-95

5. Haldar, D. and Ray, J.B.(2001). Leaf inhabiting fungi from West Bengal, India. J. *Mycopathol Res.* **39**(1):43-47.

6. Haldar, D.,Ray, J.B. Das. A.K. and Chattopadhaya, B.K.(2001). New Additions to the dematiaceous hyphomycetes of West Bengal, *Sci. & Cult*, **67**(1-12):391-392.

7. Haldar, D., Ray, J.B. and Das, A.K. (2003). Two new *Stenella* Spp.from India. *Mycopathol. Res.* **41**(1):63-66.

8. Haldar, D., Ray, J.B. (2004). New host records of dermatiaceous hyphornyecetes from West Bengal. *J. Mycopathol. Res* **42**(1):89-93.

9. Haldar, D. and Ray, J.B.(2008). Studies on Indian *Cercaspora* like fungi from West Bengal-1. J. Mycopathol. Res. 47(2):199-202.

10.Haldar,D. and Ray,J.B.(2009).Studies on Indian *Cerospora* like fungi from West Bengal-I *.J.Mycopathol Res.***47**(2):199-202

11. Haldar, D. and Ray, J. B. (2011). Studies on *Cercospora* like fungi of West Bengal – II. *J. Mycopathol Res.* **49**(1): 151-153.

12. Haldar, D. and Ray, J. B. (2012). The living leaves of Angiosperms are the best habitat of Dematiaceous Hyphomycetes. In: Maity, G.G. & S.K.Mukherjee (Eds.) *Multidisciplinary Approaches in Angiosperm Systematics*. Vol.II. Kalyani.

13. Bandyopadhyay, S. .**Haldar.D**. &. Mukherjee , Sobhan Kr 2012. A census of Wild Edible Plants of Howrah district, West Bengal. In : Bhattacharya, R.(Ed.) Plant science research in human welfare. .Kolkata. pp15-25.

14. Haldar.D.2015.Extension of distribution of two *Dematiaceous* fungi from West Bengal.J. Mycopathol Res. (Communicated).ISSN.0971-3719

Name: DR (MRS) DOLA BORAL

Publications:

1. Boral, D. & Bhattacharya, K.1999. Ecofloristic survey of Berhampore town, with reference to aerobiology. *Indian J. Aerobiol.*, Vol **12**, Nos.1&2, pp 11-13

2. Boral, D.; Roy, I.& Bhattacharya, K.1999. Aerobiology, allergenicity and biochemistry of *Madhuca indica* Gmel. pollen. *Ann Agric Environ Med* (Poland), **6**, 87-90.

3. Boral,D.; Roy,I.& Bhattacharya, K.2000. Aerobiology, allergenicity and biochemistry of three pollen types in Berhampore town of west Bengal,India. A*erobiologia* (Italy)**16** : 417-422

4. Boral, D; Chatterjee, S & Bhattacharya, K. 2004. The occurrence and allergenising potential of airborne pollen in West Bengal, India. *Ann Agric Environ Med*, 11: 45-52
5. Boral, D. 2015. Aerobiological and immunological studies on diversified airborne pollen of Berhampore, West Bengal, India, causing allergy. *Journal of knowledge*. Vol. 3, No. 7, 2015, pp 222-233

Name: DR. SUBHAJIT BANDYOPADHYAY Publications:

- 1. Bandyopadhyay, S. & M. Das 1997. Addition to the Flora of Howrah District. J. *Econ. Tax Bot.* 20(3):739-741.
- 2. Das, M., S.Bandyopadhyay & S. Mitra 1997. Report on *Solanum diphyllum* L. a Central American Plant from India. *J. Econ Tax. Bot.* 21(1):158-160.

- 3. Mitra, S. & S. Bandyopadhyay 1998. A new variety of Trichosanthes tricuspidata Lour. from India. J. Bombay Nat. Hist. Soc. 95(2):374-375.
- 4. Bandyopadhyay, S., S Mitra, S Bandyopadhayay & V. Mudgal 1998. A new use of *Bauhinia vahlii. ENVIS News Letter* 5:14.
- 5. Mitra, S., S. Bandyopadhyay & A.K. Sarkar 1998. Studies on the Genus *Stylidium* Lam. (Stylidiaceae) in India. *J. Econ. Tax. Bot.* 22(3): 643-646.
- Chakravorty, R.K., S. Mitra, S. Bandyopadhyay and Subir Bandyopadhyay 1999. Floristic diversity of West Bengal. In: Mudgal, V. & P.K. Hajra (Ed.) *Floristic diversity & Conservational Strategies in India*. Vol.3. Calcutta. pp. 1575-1630.
- 7. Mitra, S., S Bandyopadhyay & V. Mudgal 2000. Spermacoce mauritiana Osea Gideon (Rubiaceae) from West Bengal. Bull. Bot. Surv. India 37:130.
- 8. Mitra, S., S. Bandyopadhyay & A.K. Sarkar 2000. *Indiagofera mysorensis* Rottler *ex* DC. an endemic species of Peninsular India from West Bengal. *J. Bombay Nat.*. *Hist. Soc.* 97(1):165-166.
- 9. Mitra, S. & S. Bandyopadhyay 2000. Identity of *Hygrophila benghalensis* Mandal *et.al. J. Bombay Nat. Hist. Soc.* 97(2):315.
- 10. Mitra, S., S. Bandyopadhyay & A.K. Sarkar 2001. Taxonomic Studies on Monotropaceae of India. J. Econ Tax. Bot. 25(2):385-394.
- Srivastava, S.C., S. Mitra & S. Bandyopadhyay 2003. Some plants of Ethnomedicinal importance from Darjeeling District, West Bengal. J. Econ. Tax. Bot. 27(4):972-977.
- 12. Bandyopadhyay, S., S. Mitra & Sobhan Kr. Mukherjee 2003. Addition of two taxa in the floristic composition of West Bengal. J. Interacad. 7(3):340-342.
- **13. Bandyopadhyay, S.** & Sobhon Kr. Mukherjee 2005. Diversity of Aquatic and wetland Vascular Plants of Koch Bihar District, West Bengal In: Pandey *et.al.* (Eds.) *Plant Taxonomy : Advances and Relevance.*.Dehradun. pp. 223-244.
- 14. Bandyopadhyay, S. & Sobhan Kr. Mukherjee 2005. Ethnoveterinary medicine form Koch Bihar district, West Bengal. *Indian, J. Trad. Know.* 4(4):456-461.
- **15. Bandyopadhyay, S. &** Sobhan Kr. Mukherjee 2006. Traditional medicine used by the ethnic communities of Koch Bihar district (West Bengal-India). *J. Trop. Med. Plants* 7(2):303-312.
- 16. Bandyopadhyay, S., A Bose, S. Nandi, T. Chakraborty, S. Bandyopadhyay & M.S. Mondal 2006. On the occurrence of *Psilotum nudum* (L.) P. Beauv. (Psilotaceae) in Koch Bihar, West Bengal. *ENVIS News Letter* 11(1&2):7
- 17. Bandyopadhyay, S. & Sobhan Kr. Mukherjee 2008. Trees & Shrubs of Koch Bihar district, West Bengal. In: Trivedi, P.C. (Ed.) *Biodiversity-Impact & Assessment*. Jaipur. pp. 185-192..
- **18. Bandyopadhyay,S.** & Sobhan Kr. Mukherjee 2010. Diversity of climbing plants in Koch Bihar district of West Bengal, India. *Pleione* 4(1) 82-89.
- 19. Bandyopadhyay, S. S.Mitra & Sobhan Kr. Mukherjee 2012. A sketch on the family Commelinaceae of West Bengal. In: Maity, G.G. & S.K.Mukherjee (Eds.)

Multidisciplinary Approaches in Angiosperm Systematics. Vol.I.. Kalyani. pp.122-135

- Mitra, S., S. Bandyopadhyay & Sobhan Kr. Mukherjee 2012. Cucurbitaceae of West Bengal – A Census. In: Maity, G.G. & S.K.Mukherjee (Eds.) *Multidisciplinary Approaches in Angiosperm Systematics*. Vol.I.. Kalyani. pp.186-205.
- **21. Bandyopadhyay,S.** D.Haldar & Sobhan Kr. Mukherjee 2012. A census of wild edible plants of Howrah district, West Bengal. In: Bhattacharya, R.P.(Ed.). *Plant science Research in Human Welfare*.. Kolkata. pp.15-25
- **22. Bandyopadhyay,S.** & Sobhan Kr. Mukherjee 2014.A contribution to the Fern Flora of Howrah district in West Bengal,India. *Int.J.Pharma.Scr Meth.***4**(1):1-3.
- **23. Bandyopadhyay,S.** S.Mitra & Sobhan Kr. Mukherjee 2014.Traditional uses of some weeds of Asteraceae by the ethnic communities of Koch Bihar district, West Bengal. *Int.J.Pharma.Res.***4**(1): 31-34.

BOOK

1.Mitra, S., **S. Bandyopadhyay** & Sobhan Kr. Mukherjee 2010. *Bibliography of Flora and Ethnobatany of West Bengal*. East Himalayan Society for Spermatophyte Taxonomy. Siliguri. ISBN. 978-81-9249

Evaluative Report of the Department of Chemistry

1.	Name of the department:	Chemistry
2.	Year of Establishment:	GEN: 1909 HONS: 1909
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):	UG (Hons. & General Courses)
4.	Names of Interdisciplinary courses and the departments/units involved:	Nil
5.	Annual/ semester/choice based credit system (programme wise):	Annual
6.	Participation of the department in the courses offered by other departments:	Nil
7.	Courses in collaboration with other universities, industries, foreign institutions, etc.:	Nil
8.	Details of courses/programmes discontinued (if any) with reasons:	Nil

9. Number of teaching posts

Name of the post	Sanctioned	Filled
Professors	Nil	NA
Associate Professors	07	04*
Asst. Professors	07	02

*All base posts are Assistant Professor's post, upgraded by CAS

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. Etc.,)

Name	Qualificatio n	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Safalla Kumar Ghosh	M.Sc., Ph.D.	Associate Professor	Organic Chemistry	14	Nil
Dr. Partha Majumdar	M.Sc., Ph.D.	Associate Professor			Nil
Dr. Bisweswar Banerjee	M.Sc., Ph.D.	Associate Professor			Nil
Dr. Arijit De	M.Sc., Ph.D.	Associate Professor	Physical Chemistry	12	Nil
Dr. Sanjay Nath	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	10	Nil
Prof. Shrabani Barman (Joined on 17/08/2015)	M. Sc.	Assistant Professor	Inorganic chemistry	-	Nil
Dr. Brajogopal Chand	M.Sc., Ph.D.	Govt. Approved Part-time Teacher	Inorganic Chemistry	05	Nil
Dr. Lakshmi Narayan Chowdhury	M.Sc., Ph.D.	Guest Lecturer*	Organic Chemistry	15	Nil
Mr. Subhas De	M.Sc.	Guest Lecturer [*]	Inorganic Chemistry	15	Nil

*Only for Morning section

11. List of senior visiting faculty:

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Honours	Theory	Nil	
rionours	Practical	Nil	
General	Theory	20 %	
	Practical	Nil	

- 13. Student -Teacher Ratio (programme wise):B.Sc (Hons.): 10:1, B.Sc (Gen): 45:1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

No. Sanctioned post	Name of the Employee	Designation	Category of Staff
	Mr. Sukumar Marjit	Laboratory Assistant	Gr. D
	Mr. Rathin Saha	Laboratory Assistant	Gr. D
06	Mr. Pradip Das	Laboratory Assistant	Gr. D
	Mr. Mahasin Ali	Laboratory Assistant	Gr. D
	Mr. Amar Das	Part Time Laboratory Assistant	Gr. D

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:

Teaching Faculty with M. Sc. & Ph. D	5 (Full-time teachers) + 1 (Govt. Approved Part-time Teacher) + 1 (Guest lecturer)
	Total: 7
Teaching Faculty with M. Sc.	1(Full-time teachers) + 1 (Guest lecturer)
	Total: 2

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Name Department Designation	Name of the Research Project	Funding Agencies	Amount of the Fund	Whether U.C. submitted	Name of Co- investigators, Department,
Designation				or not	Designation
Dr. Bisweswar	Effects of some herbal	UGC	Rs. 1,97,000/-	Running	Dr. Shyamal
Banerjee,	products on Rat hemi				Kanti Das,
	diaphragm as an		(2013-2015)		Physiology,
Associate	alternative to				Associate
Professor	Salbutamol				Professor
Dr. Arijit De,	Study of sol-gel	UGC	Rs. 2,90,000/-	Running	
	derived novel ternary				
Associate	TCO nano powders		(2015 - 2017)		
Professor.					



- 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:

Faculty	No pap	. of oers	No. of public-ations in intern-tional data base	Monographs	Chapter in books	Books edited	Books with ISSN/ISBN no.	Citation Index	IP SJK Factor	H- index
members	National	Internat ional	No. of pul in inter data	Mono	Chapter	Books	Book ISSN/19	Citatio	For each publicati on	(Aut hor)
Dr. Safalla Kumar Ghosh		12	12					171(4 4 since 2010)		6(4 since 2010)
Dr. Partha Majumdar	2	3	5			1				
Dr. Bisweswar Banerjee		5	5							
Dr. Arijit De		12	11(one in press)							
Dr. Sanjay Nath		5	5						Annexure 1	
Prof. Shrabani Barman		1	1							
Dr. Brajogopal Chand		18	18							

Paper presented in Seminar/Symposia/Workshop and Proceedings:

Faculty members		Paper presented		Proceedings	
	State/ Regional	National	International	National	International
Dr. Safalla Kumar Ghosh	3	5	1		
Dr. Partha Majumdar	2	5	1		
Dr. Bisweswar Banerjee		2	1		
Dr. Arijit De	1	4	4	1	1
Dr. Sanjay Nath	1	3	1		
Prof. Shrabani Barman		1			

A detailed list of publication and paper presentations per faculty from date of joining up to 2015 is given in the Annexure 1

20. Areas of consultancy and income generated:

NIL

Faculty as members in a) National committees b) International Committeesc) Editorial Boards....

Name of the facultyMembers of a) National committees b) International							
	Committees c) Editorial Boards d) any others						
	1. Life member of Indian Association For The Cultivation						
	of Science(IACS)						
	2. Life member of Association of Chemistry teachers(ACT)						
Dr. Safalla Kumar Ghosh	3. Life member of The Indian Science congress						
DI. Salaha Kumai Ohosh	Association						
	4. Fellow of Academy of Environment and Life						
	sciences(AELS)						
	5.Member of Board of Studies, Gour Banga University.						
	1. Life member of Indian Association For The Cultivation						
Dr. Doutha Mainun dan	of Science						
Dr. Partha Majumdar	2. Member of the Indian Chemical Society						
	Reviewer of "Journal of Surface Science and						
Dr. Arijit De	Technology"						
Dr. Soniau Nath	Life member of Indian Association For The Cultivation of						
Dr. Sanjay Nath	Science						
Dr. Drois const Chand	Life member of Indian Association For The Cultivation of						
Dr. Brajogopal Chand	Science						

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme: 100% of the students have done in-house Environmental Project

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:

Sr. No.	Name of faculty	Award	Year
1	Dr. Sanjay Nath	Ph. D	2012

Student Award:

Sl. No.	Name of the student	Award	Year
1.	Somesh Bhattacharya	University 1 st	
2.	Abhra Saha	University 3 rd	2012
3.	Arif Mohammad Earsad	University 3 rd	
4.	Resmin Khatun	University 10 th	
1.	Kumares Sarkar	University 1 st	
2.	Aritra Sarkar	University 2 nd	
3.	Md. Emdadul Hoque	University 5 th	
4.	Sutapa Dutta	University 6 th	2013
5.	Krishna Gopal Ghosh	University 7 th	2013
6.	Bosirul Hoque	University 8 th	
7.	Tamanna Mallick	University 9 th	
8.	Mousumi Marjit	University 9 th	
1.	Md. Raja Sk.	University 2 nd	
2.	Sabir Ahmed	University 3 rd	
3.	Anindita Goswami	University 5 th	2014
4.	Rameez Raza	University 7 th	
5.	Bhaskar Mondal	University 9 th	
1.	Ahad Hossain	University 9 th	
2.	Abdul Hoque	University 10 th	2015

- 24. List of eminent academicians and scientists / visitors to the department: Nil
- 25. Seminars/ Conferences/Workshops organized & the source of funding a) State/ Regional b) National c) International: Nil
- 26. Student profile programme/course wise:

Name of the				En	rolled	
Course/progr amme (refer question no. 4)	Session	Applications received	Selected	*M	*F	Pass percentage (year of
B.Sc. in	2009-10	654	40	23	6	88.90 (2012)
Chemistry	2010-11	791	40	27	11	87.87 (2013)
Hons. (for last 4 Acad.	2011-12	566	40	26	06	85.18 (2014)
Years)	2012-13	632	40	31	05	96.55 (2015)

	2009-10	112	78	46	10	86.36 (2012)
B.Sc. (GEN) (for last 4 Acad.	2010-11	137	84	50	13	88.88 (2013)
Years)	2011-12	168	95	63	08	85.71 (2014)
	2012-13	145	98	57	11	64.70 (2015)

M = Male F = Female

27. Diversity of Students

Name of the Course: B. Sc Chemistry Honours	% of students from the same state	% of students from other States	% of students from abroad
2011-12	100	Nil	Nil
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year	JAM/IISER	NET	SET	GATE	Others
2010 - 11	4	4		3	
2012	2	2		4	
2013	5	2		2	
2014	2			3	
2015	2			3	

* We have only undergraduate course. NET and GATE data are from our student doing their post graduate from other University and data are on basis of available information collected from the students.

29. Student progression*:

	Student Progression against % enrolled						
Year	UG PG PG Ph.D. En		Empl	oyed	Entrepreneu		
	to PG	to M.Phil.	to Ph. D.	to Post- Doctoral	Campus selection	Other than campus recruit ment	r-ship/ Self- employment
2012	80	NA	NA	NA	Nil	2	
2013	85	NA	NA	NA	Nil	4	
2014	78	NA	NA	NA	Nil	3	
2015	75	NA	NA	NA	Nil	3	

* We have no record keeping machinery. All data are collected from student and are approximate data.

30. Details of Infrastructural facilities

a) Library: The Department has a well maintained Library with 148 books which include:

Organic Chemistry: 51 Inorganic Chemistry: 48 Physical Chemistry: 49

(These are donated by faculties, Ex-students and Alumni association)

b) Internet facilities for Staff and Students:

The Department has 2 computers with internet connections for Faculty members as well as for students.

c) Class rooms with ICT facility: There are no class rooms with ICT facility but we deliver lecture by power point presentation by instant setting up (temporary) the LCD projector and screen at our present classroom.

d) Laboratory: 6 well equipped laboratories for Hons. and General Classes.

e) Instrumental Facility: Oil Bath (Digitally Control), Thermostatically controlled water bath, Digital balance, Centrifuge, Polarimeter, Spectrophotometer, Potentiometer, P^{H} meter, Colorimeter, Digitally controlled magnetic stirrer cum hot plate, Muffle Furnace (900^oC), Distillation plant, LPG facility,



Students are performing practical class in the laboratory



31. Number of students receiving financial assistance from college, university, Government or other agencies:

Session	Name of Student	Type of Scholarship	Amount of
		(from College for subject topper in	Grant (Rs.)
		the department)	
2012-	Biplab Ghosh	T.C. Aid-Fund (specially	1900
2013		for very poor and	
		meritorious students)	
2013-	Md. Raja Sk.	D.N. Roy Memorial Prize &	1000 + 1000
2014		K.C.Karmakar Memorial	
		Prize	
2014-	Abdul Hoque	D.N. Roy Memorial Prize &	1000 + 1000
2015		K.C.Karmakar Memorial	
		Prize	

SC, ST, Minority and OBC students of this Department received financial assistance from the State Government.

- 32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Nil
- 33. Teaching methods adopted to improve student learning

Type of Classes	Methods implemented					
	 Class tests for UG Honours students regularly. 					
	Chalk and talk method.					
	Use of modern model particularly in					
	Stereochemistry classes.					
Theoretical	Demonstration					
	 Over-head projection 					
	Power-point Presentation by using LCD projector					
	 Interactive session including Students presentations 					
	Oral interactions regarding experiments					
	 Demonstration of experiments with proper 					
Practical	theoretical background					
	 Performing experiments 					





34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- > NSS
- College annual fest
- 35. **SWOC** analysis of the department and Future plans:

Strength:

- Good coordination between teacher, student and staff make suitable academic atmosphere.
- Good academic environment for regular theoretical and practical classes.
- All the students are free to interact with the teacher at any time to solve their academic and even economical problems.
- Very good University results reflect departmental performance and assessment of the students. Many students get rank in the University examination.
- The department maintains a well organized library to provide academic needs of the students.
- The students perform well in competitive examinations
- .The use of modern teaching aids enriches the teaching learning experience.
- Students graduating from the department pursue higher studies in renowned educational institutions of India and abroad.
- Department also has its own computer facility with internet connectivity for academic and administrative work.

• Tutorial classes and evaluation on regular basis.

Weakness:

- Inadequate non-teaching staff (Group –D), classroom and instrumental facility.
- As majority of science students opt for Chemistry General Course, laboratory accommodation needs to be expanded.

Opportunity:

- Future career for students.
- Regular student-teacher interaction beyond the classroom helps to motivate students and guide them about their career.
- Teachers are engaged in different research projects
- JAM coaching classes for JAM and other competitive examination help student to get chance in entrance examination in M. Sc. of different IITs and Universities.

Challenges:

- Latest information on every topic should be provided to the student.
- To sustain and enhance the consistently good academic performance of the students at the University level.
- Latest analytical technique like micro analysis should be implemented to make analysis eco-friendly and green.
- Number of seats over the years increases in both Hons. and General classes and being the largest practical based department of the college offering both Honours and General course there is a major problem in conducting practical classes due to lack in laboratory space.

Future Plan:

- To open a Post Graduate course in Pure Chemistry with specialization in:
 - Inorganic Chemistry
 - Physical Chemistry
 - Organic Chemistry
- To further upgrade the laboratory for improved practical sessions to explore research possibilities involving students and to establish a common laboratory for multi-disciplinary use
- To organize National/International seminar on Current Trends and Development in Chemistry.
- To enrich the departmental library with more reference books and journals
- To set up arsenic detector for drinking water, which can be used for the society
- Approaching Government through the authority for filling up of nonteaching post.
- To enhance the number of research proposals and collaborative work with Research Institutes and Industry.

<u># Annexure 1 to Dept. of Chemistry</u> (All data are of 2014 database)

<u>Dr. Safalla Kr. Ghosh</u>

a) Publications in Journal

Title of publication	Publisher with ISSN/ ISBN	Year of publicati on	Indexed in internation al data base	SNIP	SJR	Impact Factor	H- Inde x
1. SYNTHESIS OF PYRIMIDINE ANNELATED HETEROCYCLES: THERMAL REARRANGEMEN T OF 1,3- DIMETHYL-5- (PROP-2- ENYLTHIO)- PYRIMIDINE-2,4- DIONES	Synthetic communication 31(19), 2979- 2985, 2001	2001	ISSN:0039- 7911		284	0.929	57
2.Studies in Sigmatropic Rearrangement: Regioselective synthesis of thieno- [2,3- <i>b</i>]-thiochromen- 4-one derivatives	Synthetic communication 32(8), 1271- 1274, 2002	2002	ISSN:0039- 7911		284	0.929	57
3.Studies on sulfoxide rearrangement: regioselective synthesis of 3- (aryloxyacetyl)-2,3- dihydrothieno[3,2- c][1]benzopyran-4- ones	Tetrahedron Letters 43, 2123-2125, 2002	2002	ISSN:0040- 4039		0720	2.379	139
4.Studies of bioactive heterocycles: facile thio-Claisen rearrangement of	Tetrahedron Letters	2002	ISSN:0040- 4039		0720	2.379	139

propargylthio[1]benz						
opyran-2-ones						
5.Studies in	Organic Letters	2002	ISSN:	2630	6.364	180
Sigmatropic	4(16), 2629-		1523-7060			
Rearrangement:	2631, 2002					
Synthesis of a						
[6,6]pyranothiopyran						
ring system by						
sequential Claisen						
Rearrangement and						
Pyridine						
hydrotribromide						
mediated						
regioselective "6-						
Endo" Cyclization.						
6.Regioselective	Tetrahedron	2003	ISSN:0040-	0872	2.641	182
Synthesis of	59, 2151-2157,		4020			
1H,3H,6H[2]benzopy	2003					
rano[4,3-						
<i>d</i>]pyrimidine-2,4-						
diones and 12H-						
benzopyrano[3,2-						
c][1]benzopyran-5-						
ones by radical						
cyclization						
7.Regioselective	Synthetic	2004	ISSN:0039-	284	0.929	57
synthesis of 3-	communication.		7911			
(Aryloxyacetyl)-2,3-	34(12), 2159-					
dihydrothieno-[2,3-	2167, 2004					
b][1]benzothiopyran-						
4-ones via Tandem						
Cyclization						
8.Advancement of	Res.J.Chem.Env.	2015	ISSN:2321-		0.564	
Organic Chemistry	Sci.		1040			
and its impact on	3(3), 44-47, 2015					
environment.						
9.Application of	Bull.Env.Pharma	2015	ISSN:2277-		0.533	
Synthetic Chemicals	col.Life Sci.		1808			
in Agriculture and	4(9), 01-06, 2015					
their toxic effect on						
the environment.						
10.Thio-Claisen	IOSR-Journal of	2015	ISSN:2278-		1.238	
Rearrangement: An	applied		5736			

expedient avenue for	Chemistry.					
the synthesis of 2 <i>H</i> -	8(9), 60-63, 2015					
thiopyrano[3,2-						
<i>c</i> /[1]benzopyran-5-						
ones.						
11.Studies on thio-	IOSR-Journal of	2015	ISSN:2278-		1.238	
Claisen	Applied		5736			
rearrangement of	Chemistry.					
propargyl vinyl	8(9), 55-59, 2015					
sulphide moiety in						
presence of aryl						
propargyl ether						
segment to give 4-						
aryloxymethyl-2H-						
thiopyrano[3,2-						
c][1]benzopyran-						
5(2 <i>H</i>)-ones.						
12.[2,3] Sigmatropic	IOSR-Journal of	2015	ISSN:2278-		1.238	
rearrangement: An	Applied		5736			
Eco-friendly	Chemistry.					
Expedient Avenue for	8(9), 51-55,2015					
the synthesis of 3-						
(aryloxyacetyl)-2,3-						
dihydrothieno[3,2-						
c][1]benzopyran-4-						
ones.						

b) Paper presentations in Workshop and Seminar/Conference:

Name of the	International/	Organised by	Year	Title of the Paper
Symposium/ Seminar	National/			
	Regional			
1.Chemistry: Our life,	State Level	Sripat singh	2011	Stability of Charge: Charge is
Our Future		College, Jiaganj		bad and more charge is worse.
2.UGC Sponsored	National	Dumkal College,	2012	Effect of Carbon dioxide, a
National seminar on		Basantapur,		green house gas on global
Environmental Hazards		Dumkal,		warming.
		Murshidabad,		
		W.B.		
3.UGC Sponsored	National	Union Christian	2012	Biological importance of
National seminar on		Training College,		quinoline and isoquinoline based
Current Trends in		Berhampore,		heterocycles and regioselective

Chemistry		Murshidabad, W.B.		synthesis of some derivatives.
4.Green Chemistry: A way to sustainable development.	National	Sripat singh College, Jiaganj	2012	Chemistry for the environment.
5.UGC Sponsored Two-Day National seminar on Current Trends in Chemistry	National	Sripat Singh College, Jiaganj, Murshidabad, W.B.	2013	Solvent and Strength of Nucleophile.
6.Two-Day International Seminar on Ground Water: Issues and Challenges of the 21 st century	International	Sripat Singh College, Jiaganj, Msd. and University of Kalyani, W.B.	2014	Organic pollutants in ground water.
7.National Level Seminar on Quality Assurance in Education	National	Education College, Dumkal, Murshidabad, W.B.	2015	Quality Assurance and Chemical Education.
8.Role of IQAC in Fostering Environmental Consciousness	Regional	IQAC, Krishnath College, Berhampore, Murshidabad, W.B.	2015	Organic chemistry and Eco- System.
9.Acharya Brajendranath seal: The great humanist and scientific philosopher	Regional	Deptt. Of Philosophy, Krishnath college, Berhampore.	2015	The interdependence of Philosophy and Education.

<u>Dr. Partha Majumdar</u>

a) Publications in Journal :

Title of publication	Publisher with	Year	Indexed in	SNIP	SJR	Impact	H-
	ISSN/	of	internation			Factor	Inde
	ISBN	public	al data				X
		ation	base				
Unusual binding	J.Chem.Soc.Chemic	2001	ISSN:		2,444	6.834	218
mode of the	al Communications,		13597345				
biimidazolate	2001, 1292						
bridging ligand in							
two novel							

heteropolynuclear						
complexes with an						
M_2Ag_2 [M = Ru(II) or						
Os(II)] core						
A novel dinuclear	Chemistry- A	2001	ISSN:	2,234	5.731	176
ruthenium complex	European Journal,	2001	09476539	2,23	5.751	170
bridged through a	2001, 5222		0,1,02,2,7			
substituted phenazine	2001, 3222					
ligand formed via						
ruthenium promoted						
C-N bond formation						
process						
Ruthenium	New J. Chem.,	2002	ISSN:	0,925	3.086	90
complexes of quinone	2002, 26 , 1409	2002	11440546	0,925	5.000	50
related N-aryl-1,2-	2002, 20, 1109					
diimines. Metal						
mediated synthesis,						
X-ray structure and						
chemical reaction						
Regioselective fusion	Indian J.	2003	ISSN:	0,280	0.851	31
of aromatic di-amines	Chem.(Special		03764710	- ,		
to coordinated 2-	Issue), 2003, 42A ,					
(phenylazo)pyridine.	2320					
An approach to the						
synthesis of new						
ligandswith large						
denticity						
Synthesis, Spectral	J. of the Indian	2015	ISSN:	0,119	0.25	28
Characterization and	Chem. Soc.		00194522			
Redox Properties of a	(Accepted for					
heterotetranuclear	publication)					
Biimidazolato-						
bridged Complex						
with Os ^{II} ₂ Ag ^I ₂ Core						

b) Book Published:

Text Book of Physical Science (for Class VIII) in 2004. Shiksha Bharati Publisher, Kolkata (TB No. Syll/TB/PSc./VIII/04/77), along with the Co-Author Mr. S.Sen Majumdar.

c) Paper presentations in Workshop and Seminar/Conference:

Name of the Symposium/ Seminar	International/ National/ Regional	Organised by	Year	Title of the Paper
Global Climate Change: Facts and Fiction	State Level	Sripat Singh College, Jiaganj, Murshidabad, W.B.	2011	Effect of CFC on Ozone layer
UGC Sponsored National seminar on Environmental Hazards	National	Dumkal College, Basantapur, Dumkal, Murshidabad, W.B.	2012	The Anti-Green House Effect
UGC Sponsored National seminar on Current Trends in Chemistry	National	Union Christian Training College, Berhampore, Murshidabad, W.B.	2012	New Synthetic Approach for the Synthesis of Some Novel Transition Metal Complexes by Metal- Promoted C-N Bond Formation Reaction
UGC Sponsored Two- Day National seminar on Current Trends in Chemistry	National	Sripat Singh College, Jiaganj, Murshidabad, W.B.	2013	Impact of Strong π -acid Co-ligands to enhance the bridging capability of Coordinated 2,2'- biimidazole – Synthesis, Structures, Spectral and Electrochemical Studies of Some Novel Hetero- tetranuclear Complexes with an M ₂ Ag ₂ [M = Ru(II) or Os(II)] Core having Argentophilic Interactions
Two-Day International Seminar on Ground Water: Issues and Challenges of the 21 st century	International	SripatSinghCollege,Jiaganj,Msd.andUniversityofKalyani,W.B.	2014	Ground Water Contamination by Nitrates – Its Harmful Effects and Remedy
NationalLevelSeminaronQualityAssurance in Education	National	Education College, Dumkal, Murshidabad, W.B.	2015	TeachingChemistry:SomeConceptsVs.Misconcepts

National Symposium	National	Indian Chemical	2015	Application of Metal-		
on Recent Advances in		Society, Kolkata,		Promoted C-N Bond		
Chemistry & Industry		W.B.		Formation Reaction for the		
(2015)				Synthesis of Some Novel		
				Transition Metal		
				Complexes		
Role of IQAC in	Regional	IQAC, Krishnath	2015	Heavy Metals Induced		
Fostering		College,		Health Hazards and		
Environmental		Berhampore,		Management Strategies		
Consciousness		Murshidabad,				
		W.B.				

Dr. Bisweswar Banerjee

a) Publications in Journal:

Title of publication	Publisher with ISSN/ ISBN	Year of public ation	Indexed in internation al data base	SNIP	SJR	Impact Factor	H- Inde x
Induction of apoptosis in Human Leu. Cell lines U937, K562 & HL60 by Litchi chinensis	The Open Leukemia Journal, 2008,I,I-14.	2008	ISSN 1876- 8164				
Anti inflammatory activity of aqueous methanolic extract of Swietennia Mahagoni	Oriental Pharmacy and Experimental Medicine, 2009, 9(I),74-82	2009	ISSN 1598- 2386				
Anti-tumor activity of Swietenia mahagoni (L) Jack. Leaf extract against Ehrlixh's ascites carcinoma in mice	Oriental Pharmacy and Experimental Medicine, 2013, 1- 13.DOI 10.1007/ s13596-013-0123-5	2013	1598-2386				
Cytotoxic and apoptogenic effect of Swietenia mahagoni (L.) Jack. Leaf extract in human leukemic cell lines U937, K562 and HL-60	Environmental Toxicology and Pharmacology, 37 (2014), 234-247	2014	1382-6689			2.084	

SSR 2015

Anti-tumor activity of	Journal of	2015	2249-7579		1.241	
Swietenia	Pharmaceutical					
Mahagoni(L.) Jacq.	Biology, 5(1), 2015					
Leaf extract against						
3-methylcholanthrene						
(3-MC) induced solid						
tumor in mice						

b) Paper presentations in Workshop and Seminar/Conference:

Name of the Symposium/ Seminar	International/ National/ Regional	Organised by	Year	Title of the Paper
XXXIX Annual Conference of Indian Pharmacological Society, Jaipur	National	Indian Pharmacological Society	2006	Antileukemic Activity of Aqueous Methanolic Extract of Litchi Chinensis Leaves
Current trends in Chemistry	National	Department of Chemistry, Sripat Singh College, Jiaganj. MSD	2013	Molecular view of drug – receptor interaction
Ground water : Issues & Challenges of the 21 st Century	International	Department of Chemistry, Sripat Singh College, Jiaganj. MSD	2014	Paddy Cultivation and Depletion of ground water

<u>Dr. Arijit De</u>

a) Publications in Journal:

Title of the Paper	Publisher with ISSN/ ISBN	Year of publicati on	Indexed in international data base	SNIP	SJR	Impact Factor	H ind ex
Effects of tin on IR reflectivity, thermal emissivity,	Materials Letters	2003	http://dx.doi.org/1 0.1016/S0167- 577X(02)01220-X	1.268	0.850	2.489	91
Hall mobility and plasma wavelength of sol–gel indium tin oxide films on glass	0167-577X						
Development of sol-gel fluorine doped tin oxide film on glass	Transactions of the Indian ceramic society 0371-750X	2003	DOI: 10.1080/0371750 X.2003.11012111	-	0.17	0.348	5
Study of sol–gel-derived high tin content indium tin oxide (ITO) films on silica- coated soda lime silica glass	Materials Letters 0167-577X	2004	http://dx.doi.org/1 0.1016/j.matlet.20 03.10.023	1.268	0.850	2.489	91
Aquo-organic sol-based F- doped $SnO_2(Sn : F = 90 :$ 10) coatings on glass	Materials science-Poland 2083-1331	2006	24(2/1) page 367- 374	-	0.18	0.507	16
Surface characterization of sol–gel derived indium tin oxide films on glass	Bulletin of Material Science 0250-4707	2006	June 2006, Volume 29, Issue 3, pp 323-330	-	0.42	1.017	45
Work function of sol-gel indium tin oxide (ITO) films on glass	Applied surface science 0169-4332	2006	http://dx.doi.org/1 0.1016/j.apsusc.20 06.03.042	1.442	0.913	2.711	115
Study of annealing time on sol–gel indium tin oxide films on glass	Materials Characterizatio n 1044-5803	2006	http://dx.doi.org/1 0.1016/j.matchar.2 006.07.011	1.998	1.337	1.845	56
Study of spin coated high antimony content Sn–Sb oxide films on silica glass	Materials Characterizatio n	2008	http://dx.doi.org/1 0.1016/j.matchar.2 007.04.017	1.998	1.337	1.845	56

	1044-5803						
Effect of annealing parameters on thermal emissivity of sol-gel derived ITO films	Materials Science : An Indian Journal 0974-7486	2015	Vol. 12 (9),pp 320-325	-	-	-	-
Opto-electrical study of sol- gel derived antimony doped tin oxide films on glass	Transactions on Electrical and Electronic Materials 1229-7607	2015	http://dx.doi.org/1 0.4313/TEEM.201 5.16.1.5		0.23	0.125	7
Study of sol-gel derived Cd- Sn oxide films on glass	International Journal on Thin Films Science and Technology 2090-9519	2015	http://dx.doi.org/1 0.12785/ijtfst/0402 04	-	-	0.938	-
Effects of barrier layer on electrical property of spin coated Sn – Sb oxide films on glass	Journal of Surface Science and Technology 0976-9420	Accepted	In press	-	0.14	-	-

b) Paper presentations in Workshop and Seminar/Conference:

Name of the	International	Organised by	Year	Title of the paper
Symposium/	/ National/			
Seminar	Regional			
5th International	International	Leibniz-Institut fur	2004	Microstructure and
Conference on		Neue Materialien-		scattering behaviour of
Coatings on Glass		INM, Saarbruecken		non-aqeous precursor
				based dip coated F-doped
				SnO2 (Sn : F = 97 : 3)
				coatings on glass
5th International	International	Leibniz-Institut fur	2004	Aqua - organic precursor
Conference on		Neue Materialien-		sol based F-doped SnO2
Coatings on Glass		INM, Saarbruecken		(Sn : F = 90 : 10)
				coatings on glass
5th International	International	Leibniz-Institut fur	2004	Ultraviolet photoelectron
Conference on		Neue Materialien-		spectroscopic (UPS)
Coatings on Glass		INM, Saarbruecken		study of sol-gel indium

National Seminar on Environmental Hazards	National	UGC-Dumkal College, Basantapur, Murshidabad, W.B	2012	tin oxide (ITP) films on bare and silica coated soda lime silica glass TCO-an essential material for fabrication of solar cell
National Seminar on Current trends in Chemistry	National	UGC-Union Christian Training College, Berhampore, Murshidabad, W.B.	2012	Improvement of electrical properties of Sn - Sb oxide films by using barrier layer
National Seminar on "Advanced Functional Materials (NSAFM - 2013)	National	CSIR- Central Mechanical Engineering Research Institute, Durgapur	2013	Sol – Gel Derived Heat Reflecting (low emissivity) TCO Thin Films
National Seminar on Current trends in Chemistry	National	UGC-Sripat Singh College, Jianganj, Murshidabad	2013	Sol – Gel Derived Antimony-Doped Tin Oxide Thin Film on Glass
International Seminar on Groundwater: Issues and Challenges of the 21 st Century	International	PHED & DST, GOWB SERB DST, GOI Sripat Singh College, Jianganj, Murshidabad	2014	Ground Water Contaminations and Sustainable Managements
Seminar on Role of IQAC in Fostering Environmental Consciousness	Regional	IQAC, K.N. College	2015	Smart Windows and Environment

Dr. Sanjay Nath

a) Publications in Journal:

Title of publication	Publisher with ISSN/ ISBN	Year of public ation	Indexed in internation al data base	SNIP	SJR	Impact Factor	H- Inde x
One pot regeoselective synthesis of 3-benzyl thiazolo[3,2- <i>a</i>]indoles by sequential Sonogashira coupling followed by triethylamine-induced cyclization.	Synthesis ISSN:0039- 7881 (Print), 1437-210X (Electronic	2011	ISSN:0039- 7881 (Print), 1437-210X (Electronic		0.99	2.443	96
Palladium-catalyzed tethered intramolecular arylation: an unusual synthesis of linearly fused pyridocoumarin derivatives.	Synthesis ISSN:0039- 7881 (Print), 1437-210X (Electronic	2010	ISSN:0039- 7881 (Print), 1437-210X (Electronic		0.99	2.443	96
New Heck coupling strategies for the arylation of secondary and tertiary amides via palladium- catalyzed intramolecular cyclization.	Tetrahedron Letters ISSN: 0040-4039, 1873-3581	2008	ISSN: 0040- 4039, 1873-3581		0.72	2.391	139
Regioselective synthesis of benzofuran-annulated six- membered sulfur heterocycles by aryl radical cuclization.	Synthetic communication ISSN 0039-7911 (print), 1532-2432 (online)	2007	ISSN 0039-7911 (print), 1532-2432 (online)		0.28	0.984	57
Synthesis, characterization and mesogenic properties of anisotropic imines.	Molecular Crystal Liquid Crystal	2007	ISSN 1542-1406 (Print), 1563-5287			0.530	

ISSN	(Online)		
1542-1400	5		
(Print), 15	63-		
5287 (Onl	ine)		

b) Paper presentations in Workshop and Seminar/Conference:

Name of the	International/	Organized by	Year	Title of the Paper
Symposium/ Seminar	National/			
	Regional			
UGC Sponsored state level seminar on "Chemistry: Our life, Our Future"	State level	Department of Chemistry, Sripat Singh College, Jiaganj. MSD	2012	Facile regioselective synthesis of benzofuran-annulated six- membered sulfur heterocycles and the occurrence of thermal [1,3] sigmatropic rearrangement.
UGC Sponsored National seminar on "Current Trends in Chemistry"	National	Union Christian Training College, Berhampore, Murshidabad, W.B.	2012	One pot regeoselective synthesis of 3-benzyl thiazolo[3,2- <i>a</i>]indoles by sequential Sonogashira coupling followed by triethylamine-induced cyclization.
DST, New Delhi sponsored national seminar on "Green Chemistry: A way to Sustainable Development"	National	Department of Chemistry, Sripat Singh College, Jiaganj. MSD	2012	Synthesis, Reactivity and application of Glycerol Carbonates: A building block for tomorrow
UGC Sponsored Two Day National seminar on "Current Trends in Chemistry"	National	Department of Chemistry, Sripat Singh College, Jiaganj. MSD	2013	Use of Sonogashira coupling reaction for the synthesis of heterocyclic copmpunds
Two-Day International Seminar on Ground Water: Issues and Challenges of the 21 st century	International	SripatSinghCollege,Jiaganj,Msd.andUniversityofKalyani,W.B.	2014	Ground water contamination by pesticides and its health impact and remediation.

Prof. Shrabani Barman

a) Publications in Journal:

Title of publication	Publisher with ISSN/ ISBN	Year of public ation	Indexed in internation al data base	SNIP	SJR	Impact Factor	H- Inde x
Simple and efficient coumarin-based colorimetric and fluorescent chemosensor for F– detection: An ON1– OFF–ON2 fluorescent assay	Sensors and Actuators B ISSN: 09254005	2015		1.665	1.155	4.097	127

b) Paper presentations in Workshop and Seminar/Conference:

Name of the Symposium/ Seminar	International/ National/ Regional	Organised by	Year	Title of the Paper
Recent advancements in Chemical Science	National	MNIT Jaipur	2015	p-Hydroxyphenacyl- Benzothiazole- Chlorambucil (pHP-Benz- Cbl): ESIPT assisted Real- Time Monitoring Drug Delivey System

Dr. Brojogopal Chand

a) Publications in Journal:

Title of publication	Publisher with ISSN/ ISBN	Year of public ation	Indexed in internationa l data base	SNI P	SJR	Impact Factor	H- Index
1.Arylazoimidazoliumchlorideandchlorometallates:	0	2010	ISSN: 0020- 1693		0,623	1.899	78

Spootrogeoprie	2088.					
Spectroscopic and structural	2088. ISSN: 0020-1693					
	155IN: 0020-1095					
characterization	y x y •	2000			1.2.4	7.4
2. Comparative	J. Nanosci	2009	ISSN :1533-	0,599	1.34	74
electrochemical studies	Nanotechnol.		4880			
at different operational	2009, 9(5), 3125-					
temperatures for the	33.					
effect of nanoclay	ISSN :1533-4880					
platelets on the						
anticorrosion						
efficiency of organo-						
soluble polyimide/clay						
nanocomposite						
coatings						
3. Preparation and	POLYMER	2009	ISSN: 0272-	0,568	1.46	57
Insulation Property	COMPOSITES,		8397	0,500		- /
Studies of	2009, 30 , 715-722.					
Thermoplastic	ISSN: 0272-8397					
PMMA-Silica						
Nanocomposite						
Foams						
4. Organic-Acid-	Journal of	2008,				119
	5	2008,	ISSN:			119
Catalyzed Sol–Gel	Applied Polymer		00218995,			
Route for Preparing	Science		10974628	0.570	1 ()	
Poly(methyl	2008, 110 , 2108–			0,579	1.64	
Methacrylate)–	2114.					
Silica Hybrid	ISSN:00218995,					
Materials	10974628					
5. Structures and	Inorg. Chem.	2007	ISSN: 0020-		4.123	
photochromism of	2007, 46 , 670-680.		1669			
Hg(II)-azoimidazole	ISSN: 0020-1669			1,698		173
Complexes"						
6. Synthesis, spectral	Polyhedron	2007	ISSN No.	0,713	1.756	74
characterization and	2007, 26, 555.		0277-5387			
photoluminescence	ISSN No. 0277-					
properties of	5387					
cadmium(II)						
complexes of N-[(2-						
pyridyl)methyliden]						
$-a$ (or β)-						
aminonaphthalene						
-						
(a-or ß-NaiPy) and						

comparison with the complexes of 1- alkyl-2-(naphthyl-a (or β)- azo)imidazole. Single crystal X-ray structure of [Cd(β- NaiPy) ₂ (ONO ₂) ₂]						
7. Manganese(II)- azido/thiocyanato complexes of naphthylazoimidazoles : X-ray Structures of $Mn(\beta-NaiEt)_2(X)_2$ (β - NaiEt = 1-ethyl-2- (naphthyl- β - azo)imidazole; X= N ₃ ⁻ , NCS ⁻)	<i>J. Mol. Struc.</i> 2007, 842 , 17-23. ISSN No : 0022- 2860	2007, 842, 17-23.	ISSN No 0022-2860	0,583	1.486	70
8.Zn(II)-azide complexes of diimine and azoimine functions:Synthesis, spectra and Xray structures	Polyhedron 2006, 25, 2333- 2340. ISSN No.0277- 5387 Image: State S	2006	ISSN No.0277- 5387	0,692	1.843	74
9. Cd(II)–NCS/NCO complexes of 1-alkyl- 2- (arylazo)imidazole:Sin gle crystal X-ray structure of [Cd(HaaiMe) ₂ (SCN) ₂],	Inorg. Chim. Acta. 2006, 359, 695-700. ISSN No. 0020-1693	2006	ISSN No. 0020-1693	0,649	1.674	78
10. "Difference in bonding behaviour of azide and thiocyanate mercury(II)- azoimidazole"	<i>Inorg.Chim. Acta.</i> 2005, 358 , 1927- 1933. ISSN No. 0020- 1693	2005, 358 , 1927- 1933.	ISSN No. 0020-1693	0,735	1.606	78
11. M–NCO (M = Mn, Zn) Complexes of 1- alkyl-2- (arylazo)imidazole:	J.Coord. Chem. 2005, 58, 1105- 1113. ISSN No. 0095-8972	2005.	ISSN No. 0095-8972	0,382	1.003	36

Crystal structures of [Mn(MeaaiEt) ₂ (NCO) ₂] and [Zn(HaaiMe) ₂ (NCO) ₂] [HaaiMe = 1-methyl-2- (phenylazo) imidazole and MeaaiEt = 1-ethyl- 2-(p- tolylazo)imidazole]						
12. 2D Extended supramolecular structures via interactions of 1D coordination polymer in cadmium(II) complexes of arylazoimidazole using azido and thiocyanato bridging ligands"	Polyhedron 2004, 23, 1669- 1676. ISSN No.0277- 5387	2004	ISSN No.0277- 5387	0,678	1.586	74
13.Synthesisandcharacterizationofmononuclearanddinuclearzincarylazoimidazoles:singlecrystalX-raystructurestructureof[Zn(HaaiEt)4](ClO4)2and[Zn(HaaiMe)(1,1-N_3)(N_3)]2[HaaiEt =1-ethyl-2-(phenylazo)imidazole;HaaiMe=1-methyl-2-(phenylazo)imidazole]""	J. Coord. Chem. 2004, 57, 627-634. ISSN No. 0095- 8972,	2004	ISSN No. 0095-8972,	0,336	0.847	36
14. Synthesis, spectral characterisation and X- ray crystal structures of mercury(II)- azoimine compounds"	Polyhedron 2003, 22, 1205- 1212. ISSN NO. 0277- 5387/03 Image: Comparison of the second	2003	ISSN NO. 0277- 5387/03	0,611	1.584	74
15. Studies on Zinc(II)- azoimine system.	Polyhedron2003, 22, 1213-	2003	ISSN No.0277-	0,611	1.584	74

Single-crystalX-raystructureof $Zn(MeaaiMe)Cl_2.H_2O$ and $Zn(HaaiMe)_{2(}NCS)_2$ (MeaaiMe = 1-methyl-2-(phenylylazo)imidazole,HaaiMe =1-methyl-2-(phenylazo) imidazole)	ISSN No.0277- 5387/03		5387/03			
16. 1D and 2D network of ReO ₄ - bonded azoimidazoles	<i>Inorg. Chem.</i> <i>Comm.</i> 2003, 6, 634-638. ISSN No. 1387- 7003/03	2003	ISSN No. 1387- 7003/03	0,597	1.513	55
17. Mono- and binuclear cobalt (II)- azido complexes of arylazoimidazole: synthesis, spectral characterization, electrochemistry and crystal structure.	ISSN No. 0277-	2003,	ISSN No.0277- 5387/03	0,611	1.584	74
18. Anion directed structural diversity in the complexes of Cd(II)- arylazoimidazole: synthesis, spectral characterization and crystal structure	2003, 22 , 3161-	2003	ISSN No.0277- 5387	0,611	1.584	74

Evaluative Report of the Department of Economics

1.	Name of the department	: ECONOMICS
2.	Year of Establishment :	1946 (Both Hons. & Gen)
3.	Names of Programmes / Courses offered	: UG (General & Hons.)
4.	Names of Interdisciplinary courses and the departments/units involved	: Nil.
5.	Annual/ semester/choice based credit system (programme wise)	: Annual.
6.	Participation of the department in the courses offered by other departments	: Nil
7.	Courses in collaboration with other Universities, industries, foreign Institutions, etc.	: Nil.

8. Details of courses/programmes discontinued (if any) with reasons

9. Number of teaching posts

	Sanctioned	Filled
Professors	0	
Associate Professors		2*
Asst. Professors	4	2

*By Promotion

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualifica tion	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Prof.	M.A.	Associate	Public	33	Nil
Kalyanaksha		Professor	Economics		
Ghosh					
Prof.	M.A.	Associate	Adv. Economic	28	Nil
Santa		Professor	Theory &		
Chakraborty			Agricultural		
Dr. Debashis	M.A.,	Assistant	Economics of	14	Nil
Mallick	Ph.D.	Professor	Population		
Dr. Arnab	M.Sc.,	Assistant	Agricultural	15	Nil
Ghosh	Ph.D.	Professor	Economics &		
			Rural		

List of senior visiting faculty 11. : Nil

- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : Nil
- Student Teacher Ratio (programme wise) HONS- 10.5:1; GENERAL- 270:1 13.
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled ; LABORATORY ASSISTANT (TECHNICAL) -

Qualifications of teaching faculty with i) M.Sc. & Ph.D. -1; 15.

ii) M.A & Ph.D. - 1; iii) M.A. & M.Phil - 1 iv) M.A. - 1

16. Number of faculty with ongoing projects from a) Nationalb) International funding agencies and grants received : 1

Name of the	Title of the	Funding	Grant	Grant	Year
Principal	Research	Agency	Sanctioned	Already	
Investigator	Project			Received	
Dr. Arnab	Growth and	UGC	Rs. 2,35000	Rs. 1,72000	2015-17
Ghosh	Prospects of				
	Agro-				
	Processing				
	Industries: A				
	Study on				
	West Bengal				

- 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: Given in Annexure 1
- 20. Areas of consultancy and income generated : NA
- 21. Faculty as members in
 - a) National committees b) International Committees c) Editorial Boards

Name of faculty	National	International	Others
Prof. Santa	Life Member of	-	-
Chakraborty (Ray)	Bengal		
	Economic		
	Association		
Dr. Debashis Mallick	Life Member of	-	-
	Bengal		
	Economic		
	Association &		
	Indian		
	Association for		
	the study of		
	Population		

Dr. Arnab Ghosh	Life Member of	-	-
	Bengal		
	Economic		
	Association &		
	Indian Economic		
	Association		

22. Student projects :

a) Percentage of students who have done in-house projects including inter departmental/programme:

- 100% of students in the 1st year are engaged in project on ENVS
- 100% of students in the 2nd year Hons. Class are engaged in project based on field survey
- 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:

Name of faculty	Award
Dr. Arnab Ghosh	UGC Faculty Development Programme award (from 11.05.2010-07.05.2013).
	Ph.D. from University of Calcutta Dt. 21.08.2014 .

Student Award:

Sl. No.	Name of the student	Award	Year
1.	Anwesha Bhaduri	2 nd (K.U Final)	2014
2.	Maniruzzaha Rahaman	1 st (K.U Final)	2015

24. List of eminent academicians and scientists / visitors to the department

Name of the Visitor	Affiliation	Year
Dr. Tarun Kabiraj	Professor of	2014
	Economics,	
	Indian Statistical	
	Institute	

25. Seminars/ Conferences/Workshops organized & the source of funding a)

State / Regional

b) National c) International

26. Student profile programme/course wise:

Name of the	Applications		Enro	olled	
Course/programme	received	Selected	*M	*F	Pass
(refer question no. 4)					percentage
					(Year of passing)
B.SC. (HONS)	26	12	05	04	90.90
(2009-10)					(2012)
B.SC. (HONS.)	32	21	09	04	75
(2010-11)					(2013)
B.SC. (HONS.)	30	14	06	06	66.66
(2011-12)					(2014)
B.SC. (HONS.)	34	16	13	05	100
(2012-13)					(2015)
B.A / B.SC. (GEN)	107	95	65	30	78
(Opted Economics)					(2012)
B.A / B.SC. (GEN)	98	80	53	27	50.63
(2011-12)					(2013)
B.A / B.SC. (GEN)	112	98	58	40	65.21
(2012-13)					(2014)
B.A / B.SC. (GEN)	110	97	67	30	52.17
(2013-14)					(2015)

M = Male F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad	
UG (2011-12)	100%	Nil	Nil	
UG (2012-13)	100%	Nil	Nil	
UG (2013-14)	100%	Nil	Nil	
UG (2014-15)	100%	Nil	Nil	

- How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
 NET: 1, SSC: 2, Banking Services: 3
- 29. Student progression*

Student progression	Against % enrolled
UG to PG	80%
PG to M.Phil.	10%
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	
EmployedCampus selectionOther than campus recruitment	10%
Entrepreneurship/Self-employment	10%

- * College has no record keeping system in this regard. Data are given based on personal contact with the students
- 30. Details of Infrastructural facilitiesa) Library: Departmental Librarywith 100books and 2 Journals.

- b) Internet facilities for Staff & Students: Yes
- c) Class rooms with ICT facility: Teachers use laptop with LCD projectors for

teaching

purpose.

- d) Laboratories: N.A.
- 31. Number of students receiving financial assistance from college, university, Government or other agencies:

Acad.	Name of Student	Type of Scholarship		Amount of	
Year		(from College for subject		Grant (Rs.)	
		topper in the department)			
2013-	Anwesha Bhaduri	Prof.	J.C.	Das	1000
2014		Gupta Memorial			
2014-	Maniruzzaha Rahaman	Prof.	J.C.	Das	1000
2015		Gupta Memorial			

- 32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Nil
- 33. Teaching methods adopted to improve student learning:
 - Presentations by the students on selective topics are often arranged to build up the confidence of the students.
 - Regular class tests for Honours students.
 - Special classes are arranged whenever necessary.
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
 - Some students actively participate in NSS.
 - Students observe Teachers' Day on 5th September in every year to pay their gratitude to the teachers.
 - An Annual Fresher's Welcome ceremony is organized by the second and third year students.
 - There is a usual practice in the department to publish wall magazine "Uttaran" twice in a year by the students actively cooperated and supported by the teachers of the department.
- 35. SWOC analysis of the department and Future plans

Strength:

- Highly qualified, competent and dedicated teaching faculties always motivate the students in their academic pursuit.
- Well behaved students.
- Students regularly obtain top ranks in university examinations.

- Students are very much enthusiastic in making interactions within the classroom. They are very much aware of their limitations and keep in touch with their caring teachers to overcome their limitations.
- Close relationship between teachers and students.
- Good teacher-student ratio.
- Easy availability of teachers outside the classroom.
- Departmental meetings are held on regular basis regarding course distribution, holding of class tests, performances of the students etc.
- Internet facilities for both teachers and students.

Weakness:

- Inadequacy of space in the department.
- Lack of funds for purchasing books for departmental library.
- Majority of the students are lacking the proficiency in English language. However, skills in writing English are must for Economics Honours students.

Opportunities:

- Teachers are engaged in research activities and project work.
- Counseling of students through teacher-student interaction.
- Intensive care for each and every student.
- Providing real life experience during field survey.

Challenges:

- To improve English writing and speaking skill of students.
- To develop both concrete theoretical and practical understanding of the subject given the time constraints.

Future Plan

- To establish a rich departmental library.
- To arrange departmental seminar and invited lecture as frequent as possible.

Annexure 1 to Dept. of Economics

Dr. Debashis Mallick

List of published papers

1. Mallick, D (2011), "Agricultural Growth and Population Change in West Bengal: A District Level Analysis"; *Artha Beekshan*, Journal of Bengal Economic Association (ISSN No. 0972-1185); vol. 20, no. 1, June.

2. Mallick, D (2012), "Impact of Green Revolution on Population Change: A case study of West Bengal"; *Artha Beekshan*, Journal of Bengal Economic Association (ISSN No. 0972-1185); vol. 21, no. 1, June.

3. Mallick, D (2014) 'Population Change in West Bengal: An Overview' in *Rabindra Bharati* University Journal of Economics (ISSN No. 0975-802X), vol. VIII, November.

List of accepted papers

- 1. 'Rural-Urban Demography in West Bengal: A Changing Pattern' in *Artha Beekshan*, Journal of Bengal Economic Association (ISSN No. 0972-1185).
- 2. 'Population and Development: A Brief Review' in *International Journal of Research in Commerce and Management* (ISSN No. 0976-2183).

Published Book

Mallick, D (2012), Agricultural Development and Demographic Change: A study of the Indian state of West Bengal; Lambert Academic Publishing, Sarrbrucken, Germany (ISBN No. 978-3-659-18973-9).

Dr. Arnab Ghosh

Papers Published in Journal

Ghosh A. (2015), "Rural Development and Non-farm Sector: A Review" in *International Journal of Research in Commerce, Economics and Management* (ISSN No. 2231-4245), Vol. -5 (No. 8) Haryana.

Ghosh A. (2014), "An Aggregative View on Farm-Non-Farm Growth Linkage in West Bengal", *in Rabindra Bharati University Journal of Economics*, (ISSN No. 0975-802X), Vol. VIII, November.

Ghosh A. (2012), Rural Non-Farm Income Diversification and Farm-households Strategies : A Case Study in Murshidabad District in West Bengal, *Rabindra Bharati University Journal of Economics*, (ISSN No. 0975-802X), Vol. VI, March, 2012.

Ghosh A. (2002), Trade Liberalization and Skilled-Unskilled Wage Gap: Existing Literature Challenged by Theories, *Occasional Letters*, Rabindra Bharati University, Kolkata.

Article Published in Book

Ghosh A. (2009), Incidence of Child Labour and Trade Liberalization: comments on Chaudhuri and Gupta, in P.K.Pal ed. *Contemporary Issues in Development Economics*, (Proceedings of UGC sponsored National Level Seminar on Contemporary Issues in Development Economics, Regal Publications: New Delhi.

Published Books

Bhattacharyya S. and A. Ghosh (2010), *Indian Financial System and Financial Market Operations* (Bengali version), Vrinda Publications: New Delhi.

Papers Accepted in Journal

Article I. Ghosh A. (2015), "Evolution of the Rural Non-farm Activities in Murshidabad Districts of West Bengal: A Brief Study from Historical Perspectives" in International Journal of Research in Social Sciences, (ISSN No. 2249-2496) Haryana.

Ghosh A. (2015), "Daridrya, Ay Boishmya O Grameen Akrishikhetra", *Artha Bishleshan*, Vol. 2, No.2.

Ghosh A. and B. Bhattacharya (2015), "Public Distribution System in West Bengal: A Brief Study" in International Journal of Research in *Commerce, Economics and Management* (ISSN No. 2231-4245), Vol. -8 (No. 10) Haryana.

Evaluative Report of the Department of English

- 1. Name of the Department : ENGLISH
- 2. **Year of Establishment :** 1907 (GEN); 1907 (HONS);
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
- 4. Names of Interdisciplinary courses and the departments/units involved : None.
- 5. Annual/ semester/choice based credit system (programme wise) : Annual (UG)
- 6. **Participation of the department in the courses offered by other departments** : None as yet.
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc. : PG courses in distance mode run by Krishnath College centre of Rabindra Bharati University and Netaji Subhas Open University.
- 8. Details of courses/programmes discontinued (if any) with reasons : None

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	05	04

9. Number of Teaching posts

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Faculty profile in the Day section:

Name	Qualifi-	Design-	Speciali-	No. of	No. of
	cation	ation	zation	years	Ph. D.
				of	students
				Experience	guided
					for the
					last 4
					years
Partha Pratim	PG	Assistant	Modern	14	-
Bandyopadhyay		Professor	European		
			Classics		
Barnali	Ph. D.	Assistant	19 th century	09	-
Mukhopadhyay		Professor	British novel		
Priti Das	PG	Assistant	E M Forster &	7 months	-
		Professor	John Fowles		
Suparna	Ph. D.	Assistant	Women's	6 months	-
Banerjee		Professor	Studies, ELT,		
			Speculative		
			Fiction,		
			Canadian		
			Literature		
Chandrama	PG	Govt.	The Lake Poets	10	-
Chakraborty*		approved			
		Part-Time			
		Teacher			
Ashek Alahi	PG	Guest	American	02	-
		Teacher	Literature		
Jyotiprasad	PG	Guest	Victorian poetry	03	-
Biswas [*]		Teacher			
Sk Shabana [*]	PG	Guest	Romantic prose	02	-
		Teacher			

*Only for Morning section

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 4.5 in Honours course, 69.4 in General course.

13. Student - Teacher Ratio (programme wise) : HONS- 12.5 : 1 ;

GENERAL-214:1

- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Nil
- Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.
 M.Sc & Ph.D. ; M.Sc. ; M.A & Ph.D.-2 ; M.A & M.Phil- ; M.A-6; etc.
- 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: None
- 19. Publications: Given in Annexure 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 inter departmental/programme : 100% of the students have done in-house Environmental Project

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:

Awards received by Dr. Suparna Banerjee:

- University Gold Medal from Burdwan University in 1997 for standing 1st class 1st in MA Examination.
- Sadananda Chakraborty Gold Medal, 1997, for standing first in MA Examination of Burdwan University.
- 3) UGC Junior Research Fellowship, December 1998.

Student Award:

Sl.	Name of the student	Award	Year
No.			
1.	Ankita Das	2 nd (K.U Final)	2013
2.	Eyamin Hossain	1 st (K.U Final)	2014

24. List of eminent academicians and scientists / visitors to the department : Professor Dr. Chidananda Bhattacharya of Rabindra Bharati University visited the department in 2010.

- 25. Seminars/ Conferences/Workshops organized & the source of funding
 - a) State / Regional : None
 - b) National : None
 - c) International : None

26. Student profile programme/course wise:

Name of the	Applications		Enro	olled	
Course/programme	received	Selected	*M	*F	Pass % (Yr of Passing)
B.A (HONS) (for last 4 Acad. Years)					
2009-10	685	42	24	18	94.73 (2012)
2010-11	757	47	33	14	78.37 (2013)
2011-12	800	45	27	19	74.28 (2014)
2012-13	1022	50	33	15	84.37 (2015)
B.A (GEN) (for last 4 Acad. Years)					
2009-10	1486	335	155	142	78 (2012)
2010-11	1523	521	291	201	50.63 (2013)

2011-12	1546	612	345	230	65.21 (2014)
2012-13	1584	856	410	417	52.17 (2015)

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Honours (UG)	100	-	-
General (UG)	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services etc.? About five (5) students have qualified in the NET/SLET in the last 2 years. Information of students clearing other competitive examinations is unavailable.

29. Student progression*

Student progression	Against % enrolled
UG to PG	80%
PG to M.Phil.	Not known
PG to Ph.D.	Not known
Ph.D. to Post-Doctoral	Not known
EmployedCampus selectionOther than campus recruitment	Not known
Entrepreneurship/Self-employment	Not known

*We have no record keeping machinery. All data are collected from student and are approximate data.

30. Details of Infrastructural

facilities

a) **Library:** A departmental library run by teachers exists with about 200 reference books.

b) Internet facilities for Staff & Students:

For Staff c) Class rooms with ICT facility: Not yet

d) Laboratories: NA

31. Number of students receiving financial assistance from

college,

University, Government or other agencies :

Acad.	Name of Student	Type of Scholarship	Amount of
Year		(from College for subject topper in	Grant (Rs.)
		the department)	
2013-	Eyamin Hossain	G.N. Mukherjee Memorial	1000 +
2014		Prize & J.C. Mitra	1000
		Memorial Prize	
2014-	Sudip Sarkar	G.N. Mukherjee Memorial	1000 +
2015		Prize & J.C. Mitra	1000
		Memorial Prize	

A good number of students also receive Minority scholarship and Kanyasree scholarship.

- 32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: A seminar lecture for students was organized in 2010 with Prof. Dr. Chidananda Bhattacharya (Rabindra Bharati University) as the distinguished speaker.
- 33. **Teaching methods adopted to improve student learning**: Film shows and computer-aided lectures are regularly organized for students, and interactive student seminars are held at the end of teaching modules .
- 34. **Participation in Institutional Social Responsibility (ISR) and Extension activities** : None
- 35. **SWOC** analysis of the department and Future plans

Strength:

- Being the oldest college in the district it has a good reputation and has been home to people established in various walks of life.
- The department has a large number of endowment prizes which motivate students to perform better academically.
- A well-stocked departmental library enables students to augment their knowledge beyond textbooks.
- Need-based tutorial and remedial classes are arranged to guide pupils further.
- The presence of senior and experienced guest faculty enriches the students.

Weakness:

- The department suffers from lack of departmental space and proper internet and audio-visual facilities.
- The department lacks infrastructure for providing students with professional skills in English.

Opportunities:

- The student community combines brightest merits from the urban middle class with first generation learners from severely underprivileged backgrounds.
- Being centrally located in the district, students can easily access the department.
- Financially backward students can avail of books from the departmental book bank.
- Students are provided learning material both during class hours and via emails, and teachers remain in personal contact with students, counselling them in examination and career problems.
- All students can freely communicate with the department on any issue through the departmental email without any intermediary whatsoever.

Challenges:

- To fulfil students' multifaceted requirements apart from syllabus oriented teaching such as counselling them about how to combine their talents and expectations with relevant career opportunities.
- To extend activity to related fields like film study, journalism and literary workshops.

Future plan:

- To move towards interdisciplinary studies in association with other social science departments.
- To enter related areas of study like film studies and English language learning in India.
- To start a postgraduate programme in English.

Annexure 1 to Dept. of English

Publications:

Dr. Barnali Mukhopadhyay

<u>The Evolution of Meredith's New Woman: A Counter-discourse</u>, pub. 2015, ISBN 10:3659690929, 13:9783659690921

Priti Das

<u>Re-reading Hawthorne's The Scarlet Letter: the cult of 'Hester-Prynn-ism'</u>, in Efflorescence, issue 3, 2013. ISSN 22783873

Dr. Suparna Banerjee

Science, Gender and History: The Fantastic in Mary Shelley and Margaret Atwood, Cambridge Scholars, UK, September 2014. ISBN 13:978-1-4438-6220-2, 10:1-4438-6220-7.

Beyond Biography: Re-reading Gender in Mary Shelley's The Last Man, August 2010, in English Studies: A Journal of English & Literature, vol. 91, issue 5, 2010, pp. 519-30. ISSN 0013-838X (print), 1744-4217 (online), 1 citation generated.

Home is where Mamma is: Re-framing the Science Question in Frankenstein, January 2011, in Women's Studies: An Interdisciplinary Journal, vol. 40, issue 1, 2011, pp. 1-22. ISSN 0049-7878 (print), 1547-7045 (online), 2 citations generated.

Towards Feminist Mothering: Oppositional Maternal Practice in Margaret Atwood's Oryx and Crake, in Journal of International Women's Studies, vol. 14, issue 1, 2013. ISSN 1539-8706, 3 citations generated.

Book Review: Peter Robb's <u>Sentiment and Self</u> (OUP), February 2013, in Indian Journal of Gender Studies, vol. 20, issue 1, pp. 161-64. ISSN 0971-5215 (print), 0973-0672 (online), Impact Factor 0.100.

Article on Jhumpa Lahiri's <u>Interpreter of Maladies</u>, The Literary Encyclopaedia, vol. 3.2.2.04, February 2010. ISSN 1747-678X.

Media writings: Dr Suparna Banerjee has been frequently contributing articles and reviews to leading English dailies in India since January 2012. She is currently a lead-reviewer of non-fiction with <u>The Hindu</u> and a blogger with <u>Times of India</u>. She has contributed especially to <u>Hindustan Times</u> and <u>The Hindu</u>, and also occasionally to <u>The Telegraph</u>, <u>The Statesman</u>, <u>DNA</u> and <u>Seminar</u>.

Partha Pratim Bandyopadhyay

<u>Section IV: Forms of Writing</u>, Textbook for Compulsory English, Department of English, University of Kalyani, Publication Cell, University of Kalyani, July 2011. ISBN 978-81-901525-2-5.

Galanta Smritir Dial, in Chhapakhanar Gali, p.97, September 2011.

Unit 3 Structuralism, Module 4, Paper 106, MA (English) Part II, DODL, University of Kalyani, 2009.

Unit 4 Marxist Criticism, Module 4, Paper 106, MA (English) Part II, DODL,

University of Kalyani, 2009.

What Dante Means to Me, T S Eliot, trans. Partha Pratim Bandyopadhyay, in

Shileendhra, special issue on Dante, January-March 2007.

Wrath, Order, Paradise, Mary Baine Campbell, trans. Partha Pratim Bandyopadhyay, in Shileendhra, special issue on Dante, January-March 2007.

<u>Albert Camus and the Christian Faith</u>, Thomas L Hannah, trans. Partha Pratim Bandyopadhyay, in Samarurha Byatikram, January 2006.

Ashek Alahi

<u>Reinterpreting Beckett's Endgame: It is not the end but just the beginning</u>, in The Scholastic Forum, vol.1, no.1, March 2015. ISSN 2395-0889

Evaluative Report of the Department of Geography

1.	Name of the department:	Geography
2.	Year of Establishment:	HONS: 1998
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):	UG (Hons.)
4.	Names of Interdisciplinary courses and the departments/units involved:	Nil
5.	Annual/ semester/choice based credit system (programme wise):	Annual
6.	Participation of the department in the courses offered by other departments:	Nil
7.	Courses in collaboration with other universities, industries, foreign institutions, etc.:	Nil
8.	Details of courses/programmes discontinued (if any) with reasons:	Nil

9. Number of teaching posts

Name of the post	Sanctioned	Filled
Professors	Nil	NA
Associate Professors	02	02
Asst. Professors	02	

*All base posts are Assistant Professor's post, upgraded by CAS

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. Etc.,)

Name	Qualificatio n	Designation	Specialization	No. of Years of Experien ce	No. of Ph.D. Students guided for the last 4 years
Dr. Sanatan Ghosh	M.Sc., Ph.D.	Associate Professor	Geomorphology & Environmental Geography	14	Nil
Uttam Kumar Sardar	M.Sc.	Associate Professor	Pedology & Climatology	14	Nil
Tarun Chatterjee	M.A.	Govt. Approved	Urban Geography	7	Nil

11. List of senior visiting faculty:

Nil

- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil
- 13. Student Teacher Ratio (programme wise): Hons. 24.5 : 1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

No. Sanctioned post	Name of the Employee	Designation	Category of Staff
	Mr. Prabir Halder	Laboratory Assistant	Gr. D
01	Mr. Shyamal Mondal	Part Time Laboratory Assistant	Gr. D

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:

Teaching Faculty with M. Sc. & Ph. D	1
Teaching Faculty with M. Sc.& M.A.	1(Full-time teachers) + 1 ('PTT)
	Total: 2

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Name Department	Name of the Research Project	Funding Agencies	Amount of the Fund	Whether U.C.	Name of Co- investigators,
Designation	iteseuren i rojeet			submitted	Department,
				or not	Designation
Dr. Sanatan	The Changing River	UGC	Approved:	U.C.	Nil
Ghosh,	Courses and its Impact		Rs. 1,86,000/-	Submitted	
Assoc. Professor	on Human Society in		(2013-2015)		
	Murshidabad District,				
	West Bengal		Sanctioned:		
			Rs.1,60,500/-		

- 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. a) **Publications:**

Faculty members	No. of pa	pers	No. of public - ations in intern -tional	Mo nog rap hs	Chapte r in books	Book s edite d	Book s with ISSN /ISB N no.	Cita tion Inde x	SN IP	S J R	Im pac t Fac tor	H- index (Aut hor)
	Nationa	Intern	data							each		
	1	ationa	base						pub	licat	ion	
		1										
Dr.	2	4	5		1		1					
Sanatan												
Ghosh												
	6	_	-		1	_						
Uttam												
Kumar												
Sardar												
									An	nexu	ire 1	

b) Paper presented in Seminar/Symposia/Workshop and Proceedings:

Faculty members	Paper presented				
	State/ Regional	National	International		
Dr. Sanatan Ghosh	1	4	2		
Uttam Kumar Sardar	-	5	2		

A detailed list of publication and paper presentations per faculty from date of joining up to 2015 is given in the Annexure 1

- 20. Areas of consultancy and income generated: NIL
- Faculty as members in a) National committees b) International Committeesc) Editorial Boards....

Name of the faculty	Members of a) National committees b) International Committees c) Editorial Boards d) any others
Dr. Sanatan Ghosh	 Life member of <i>Geographical Society of India</i> Life Member of the <i>Indian Society of Remote Sensing</i>
Uttam Kumar Sardar	Member of Institute of Landscape, Ecology and Ekistics

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme: 100% of the students have done in-house Environmental Project &100% student of 3rd (Hons) have also done Field Study Report

Educational Tours conducted by the Dept of Geography during the last four academic Years

Year	Course	Place	No. of	Attendance
			Days	
2011-12	Geography(H)	Digha	04	All teaching
2012-13		Bakkhali	05	& non
2013-14		Mithipur(Murshidabad),	01+07	teaching
		Puri		staff
2014-15		Gunje Singhaswary &	01+01	
		Bamnabad		
		(Murshidabad)		

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:

Student Award:

Sl. No.	Name of the student	Award	Year
1.	Dibyendu Biswas	3 rd (K.U Final)	2012
2.	Basundhara Mondal	1 st (K.U Final)	2013

Faculty Award: Nil

- 24. List of eminent academicians and scientists / visitors to the department: Nil
- 25. Seminars/ Conferences/Workshops organized & the source of funding a) State/ Regional b) National c) International: Nil
- 26. Student profile programme/course wise:

Name of the				En	rolled	
Course/progra mme	Session	Applications received	Selected [#]	* M	*F	Pass percentage (Year of passing)
B.Sc. in	2009-2010	942	45	31	14	97.36 (2012)
Geography	2010-11	1030	47	26	21	90.47 (2013)
Hons. (for last 4 Acad.	2011-12	993	50	27	22	97.14 (2014)
Years)	2012-13	1187	50	29	18	92.30 (2015)

5

*M = Male *F = Female, [#]Number of selected students may exceed the intake capacity due to same Effective Marks of the last admitting candidate.

27. Diversity of Students

Name of the Course: B. Sc Geography Honours	% of students from the same state	% of students from other States	% of students from abroad
2011-12	100	Nil	Nil
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year of Passing	NET	SET	Others
2012	3	-	-
2013	1	1	-
2014	3	1	-
2015	-	-	-

29. Student progression^{*}:

	Student Progression against % enrolled							
Year	UG	PG	PG	Ph.D.	Emp	loyed	Entrepreneu	
	to PG	to M.Phil.	to Ph. D.	to Post- Doctoral	Campus selection	Other than campus recruit ment	r-ship/ Self- employment	
2012	80- 85%							
2013	80- 85%							
2014	80- 75%							
2015	80- 75%							

^{*}We have no record keeping machinery. All data are collected from students and are approximate data.

30. Details of Infrastructural facilities

a) Library: The Department has a well maintained Departmental Library with about 280 books.

b) Internet facilities for Staff and Students:

The Department has 2 computers with internet connections for Faculty members as well as for students.

c) Class rooms with ICT facility: There are no class rooms with ICT facility but we deliver lecture by power point present presentation by instant setting up (temporary) the LCD projector and screen at our present classroom.

d) Laboratory:

i) Computer Laboratory

ii) Survey instrument

31. Number of students receiving financial assistance from college, university, Government or other agencies:

Acad.	Name of Student	Type of Scholarship	Amount of
Year		(from College for subject	Grant (Rs.)
		topper in the department)	
2013-	Lopamudra Rakshit	A.C.Guha Memorial	1000
2014			
2014-	Rentu Biswas	A.C.Guha Memorial	1000
2015			

A good number of students also receive Minority scholarships.

- 32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: NIL
- 33. Teaching methods adopted to improve student learning

Type of Classes	Methods implemented				
Theoretical	 Class tests for UG Honours students regularly. Chalk and talk method. Demonstration Power-point Presentation by using LCD projector Interactive session including Students presentations 				
Practical	 Practical classes with help of instrument and computer Demonstration of practical classes with proper theoretical background Practical classes with field study 				

- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities
 - > NSS
 - College annual fest
- 35. **SWOC** analysis of the department and Future plans:

SWOC:	STRENGTH	WEAKNESS
DEPARTMENT OF	• The department boasts of	• Inadequate built-in space
GEOGRAPHY	highly qualified,	in the department.
	Competent and dedicated	• The number of permanent
	teaching faculty, who maintain	faculty is inadequate to
	high academic standard.	handle the tremendous class
	Students have shown	load in both theoretical and
	commendable performance in	practical courses.
	University Examinations with	• The departmental seminar
	many placed high up in the	library needs to be extended
	merit list.	further by subscription to
	• Well stocked seminar library	more National and
	for students and teachers	International journals.
	• Department boasts of two	• The department needs
	laboratories: computer	fund from UGC/CSIR for
	laboratory & survey	up gradation of computer
	instrument laboratory	lab and other laboratories
	• One faculty member has one	• More sanctioned teaching
	Minor Research Project(MRP),	posts are urgently needed
	sponsored by UGC	subject to Government
		approval
OPPORTUNITY	S-O STRATEGIES	W-O STRATEGIES
• Teachers are engaged in	• Upgradation of at least one	• Expansion of the
different research projects	classroom by introducing ICT	department with more
• Warm and free student-	facilities including Wi-Fi	number and larger
teacher interaction and	connectivity.	classrooms, more laboratory
counselling of the students	• Requesting for	space, more spacious
for higher education and	government/UGC/CSIR funds	staffrooms, and seminar
career planning.	to upgrade the computer	room is expected.
	laboratory, other laboratory in	 Requesting government
• The department has huge	the department.	for sanctioning more
opportunities in research and		teaching posts in the
teaching, outreach		department.
programmes for GIS, RS and		
Planning being viable for the		
department		

CHALLENGE	S-C STRATEGIES	W-C STRATEGIES
• Limited freedom in	• Fund crisis for purchase of	Special classes are held
deploying innovative	journals can be overcome by	both in theoretical and
teaching methods due to	subscribing for e-journals.	practical courses to
syllabus and time constraints	Strict discipline among	complete syllabus within
arising from the $(1+1+1)$	students is maintained to	the short time schedule
examination system adopted	ensure a healthy academic	available.
by the University of Kalyani	environment in the	• From the entire student
in the UG curriculum.	department.	group, it is challenging to
Being a Government		pull up the academic
sponsored College the is no		standard of the socially and
scope of creating new		economically backward
teaching post without		students
government approval		

Future plan: The future plans of the department of Geography are:

- opening of Master degree
- to enrich the departmental library with more reference books and journals
- to establish a common laboratory for multi-disciplinary use
- to set up arsenic detector for drinking water, which can be used for the society

Annexure- 1 to Dept. of Geography

SIGNIFICANT PUBLICATIONS:

Dr. Sanatan Ghosh

a) Paper, Proceeding& Book Publication:

1. *Geomorphic Land Evaluation for Sustainable Use of Land Resource in Puruliya District, West Bengal,* The Indian Journal of Landscape Systems and Ecological Studies, Volume-35(1): ISSN 0971-4170, pp.263-274, June 2012.

2. *Hydro-Geomorphological Studies in Plateau Fringe Area of West Bengal*, Emerging Trend in Geography by organized by Bankura Christian College & published in Wesleyan Journal of Research, Volume-5(2): ISSN: 0975-1386, pp.27-37 Aug 2012.

3. Land capability evaluation based on soil parameters in plateau fringe area of West Bengal, India, International Journal of Current Research4(10): ISSN 0976-3031, Impact factor:3.845, pp.287-292, Oct 2012.

4. Sustainable Land Resources Management: An Integrated GIS Approach, LAMBERT Academic Publishing (Germany), ISBN: 978-3-659-36379-5, 2013.

5. *Landscape system and sustainable land use in Puruliya District, West Bengal,* Landscape and Development Interfaces in Geographical Research, Publisher: Academic Publisher, ISBN: 978-93-83420-37-7, pp 78-83, 2014.

6. Land resource evaluation for sustainable land resource management in western part of *West Bengal, India,* International Journal of Recent Scientific Research,6 (1): ISSN 0976-3031, Impact factor:3.908, pp.2466-2471, January2015.

7. Spatial variation of soil pH and soil phosphorous and their Interrelationship in the plateau area of West Bengal, India, International Journal of Recent Scientific Research, 6
(3): ISSN 0976-3031, Impact factor: 3.908, pp.3208-3212, March 2015

8. *River Bank Erosion and Environmental Neo-Refugees: A Case Study of Murshidabad District in West Bengal, India,* International Journal of Current Research, 7(05): ISSN 0975-833X ,Impact factor:3.845 pp.16582-1658, May 2015.

Sl. No.	Title of the Paper	Title of the Conference/ Seminar	Organized by	Whether International/ National/ State/ Regional/ College or University Level
2.	Integrating the Functional Attributes of land for Land Resource Management: A Case study of Puruliya district	UGC sponsored State Level Seminar on Environmental Degradation and Strategies	Krishnagar Govt. College	State Level

b) Papers presented in Conference, Seminars, Workshops, Symposia:

		for		
		conservation		
		and		
		Management,		
		November24-		
		25, 2011		
		UGC-		
		sponsored		
		National		
	Hydro-Geomorphological	Seminar on	Bankura	
3.	studies in Plateau fringe area	"Emerging	Christian	National
	of West Bengal	Trends in	College	
	or west Dengar	Geography"	conege	
		December 16		
		to 17, 2011		
4.	Geomorphic Land	UGC	Domkal	National
- .	Classification for Sustainable	sponsored	College	1101101101
		National	College	
	Land Use in Puruliya District,	Seminar on		
	West Bengal			
		Environmental		
		Hazards, 6-7		
		th January,		
		2012		
5.	Terrain Characteristics and its	Socio-	Turku Hasda	National
	Influence on Tribal	Economic	Lapsa	
	Communities in the Puruliya	Environment	Hemram	
	District of West Bengal	of the Tribes	Mahavidyalay	
		of India with		
		Special		
		Reference to		
		the Santals		
		19-20th		
		Sept,2014		
6.	Erosion and People: A	Environmental	Institute of	International
	Selected Case Study of	Perspectives	Landscape,	
	Murshidabad District, West	and Resource	Ecology and	
	Bengal	Management	Ekistics	
	_	19-20th		
		Dec,2014		
7.	Influence of Litho-topo	Groundwater:	Sripath Singh	International
	Function on the Low	Issues &	College	
	Availability of Water	Challenges of	.9-	
	revalue inty of Water	Chunchers of		

Resources and Stress in	The 21ST	
Agriculture in Plateau Area of	Century	
West Bengal	29-30th	
	Dec,2014	

PRESENT ACTIVITIES:

- I) Minor Research Project on The Changing River Courses and its Impact on Human Society in Murshidabad District, West Bengal
- II) Classes (both part-I & part-II) are taken at K.N. College study centre under Rabindra Bharati University (distance education) at P.G. level.

SIGNIFICANCE PUBLICATIONS:

Uttam Kumar Sardar

a) a) Paper, Proceeding& Book Publication:

1.*Problem of Air Pollution in Sunderban Area*, Indian Journal of Landscape System and Ecological Studies, ISSN 0971-4170, Vol.33 No.1, pp. 475-480, June 2010.

2. *Status of Land Use Pattern in the District of South 24 Parganas*, Indian Journal of Landscape System and Ecological Studies, ISSN 0971-4170, Vol.34 No.1,pp. 461-464, June 2011.

3. Status of Land Use Pattern of Joynagar I&II, Mathurapur I&II, Kultali Blocks in the District of South 24 Parganas, Indian Journal of Landscape System and Ecological Studies, ISSN 0971-4170, Vol.38 No.1,pp. 260-263, June 2015.

4. Landscape Influence Agriculture and Cropping Pasttern In West Bengal, Acade mic Publishers, Kolkata, Articles in Book, ISBN: 978-93-93420-37-7, pp.84-89, 2014.

5. *Status of Material Condition in the District of South 24 Parganas,* Principal, Barrackpur Rastraguru Suredranath College, Seminar Proceeding, ISBN: 978-81-921808-3-0 pp.147-157, September 2012).

6. *Status of Natural Disaster and Calamities in Suderban Delta*, Dept.of Geography, Haringhata Mahavidyalaya, Nadia, Seminar Proceeding, ISBN: 978-81-929776-0-7 pp. 79-8, September 20143.

7. Demographical Changes And Threats: Develop To Sustain The Nature Of Sunderban Region, Union Christian Training College, Berhampore, W.B., Seminar Proceeding, ISBN: 978-81-925536-0-3, pp. 191-194, 2015.

b) Papers presented in Conference, Seminars, Workshops, Symposia:

SI. No.	Title of the Paper	Title of the Conference/ Seminar	Organized by	Whether International/ National/ State/ Regional/ College or University Level
1.	Status of Health Care Institution and Endimicity of Disease in the District of South 24 Parganas	International Conference on "Dimensions of Development and Conservation", March,2012 UGC-	Department of Geography, University of Calcutta	International
2.	Demographical Development Threats of Sustainability of Sunderbans Region in the District of South 24 Parganas	sponsored National Level Seminar on "Education of Sustainable Development in 21 st Century", October, 2012	Union ChristianTraining College,Berhampore, Murshidabad (W. B.)	National
3.	Status of soil, land use & cropping pattern in Hooghly district	UGC sponsored National level Seminar on Contemporary Research in Geography, March, 2014	Bhairab Ganguly College & NATMO	National
4.	Nature of Tribal problems in India and Measures undertaken for their Uplifment	UGC Sponsored National level seminar on Socio- economic of the Tribes of	Dept. of Geography Turku Hansda Lapsa Hembram Mahavidyalaya	National

		India with		
		special		
		reference to the		
		Santals		
		Sept,2014		
5.	Status of Disaster and	UGC	Deparrtment of	National
	Calamities in	Sponsored	Geography	
	Subdarbans Delta	National level	Haringhata	
	Natural	Seminar on	Mahavidyalaya,Nadia	
		Application of		
		modern		
		Techniques for		
		the		
		Management of		
		Contemporary		
		Environmental		
		Hazards and		
		Disasters		
		Sep,2014		
6.	Status of Land Use	International	Institute of	International
	Pattern of Joynagar I	Seminar on	Landscape, Ecology	
	&II, Mathurapur I &II,	Environment	and Ekistics, Kolkata	
	Kultali Blocks in	perspectives		
	District of South	and Resource		
	24Parganas	Management		
		Dec,2014		
7.	Relationship between	International	Sripat Singh	International
	irrigation and Ground	Seminar on	College,Jiaganag,	
	water in the District of	Groundwater	Murshidabad, W.B	
	south 24 Parganas,W.B	issues and		
		challenges of		
		the 21 st century,		
		Dec 2014		

PRESENT ACTIVITIES: i) Pre-submission of Ph.D.Thesis and carried research work for final submission under title of Thesis "Land Capability And Land Use Changes In Joynagar-Kultali-Mathurapur Blocks Of South 24 Parganas District, West Bengal, During The Period 1991-2011."

ii) Classes(both part-I part-II) are taken at K.N. College study centre under Rabindra Bharati University(distance education)at P.G. level.

Evaluative Report of the Department of History

- 1. Name of the department : History
- 2. Year of Establishment : (GEN); **1909** (HONS); **1916**
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG (Hons & General)
- 4. Names of Interdisciplinary courses and the departments/units involved : Nil
- 5. Annual/ semester/choice based credit system (programme wise) : Annual
- 6. Participation of the department in the courses offered by other departments : 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

	Sanctioned	Filled
		Nil
Professors	Nil	
	Nil	Nil
Associate Professors		
	04	02
Asst. 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 Ph.D. Students guided for the last 4
Prof. Alok Kr. Biswas	M.A	Assistant Professor	Transition from Mughal Rule to colonial rule	8	Nil
Prof. Arindam Mandal	M.A, M.Phil	Assistant Professor	Social History of Science and Technology	6	Nil
Prof. Rajarshi Chakraborty*	M.A		International History of U.S	10	Nil
Prof. Ayan Sengupta	M.A	PTT	Modern India	12	Nil
Prof. Debjani Majumder ^{**}	M.A	Guest Lecturer	Modern India	1	Nil

*Prof. Rajarshi Chakraborty is resigned on August 2012 Join Sidhu-Knhu-Birsha University Purulia.

** Only for morning section

- 11. List of senior visiting faculty. Nil
- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty. Lectures 30%
- Student Teacher Ratio (programme wise) HONS: 21: 1; GENERAL: 325: 1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **N.A**

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ Mphil / PG.
M.Sc & Ph.D.- ; M.Sc.- ; M.A & Ph.D.- ; M.A & M.Phil- ; M.A- etc.
M.A=03, M.Phil=01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **Prof. Alok Kumar Biswas, (UGC Xith Plan, 2012-2013)**

- 17. Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. and total grants received: **Nil**
- 18. Research Centre /facility recognized by the University: N.A

Faculty	Publicatio	Publicatio	Paper	Publication	Chapte	Book
	n	n with	presente	in full	r in	s
		peer-	d	Proceeding	Book	
		review		s		
		journal				
Prof. A.K.Biswas	01	02	17	04	01	-
Prof. A.Mandal	-	-	-	-	-	-
Prof. R.Chakrabory	-	-	4	4	-	-
Prof. A.Sengupta (PPT)	-	-	-	-	-	-
Prof.D.Majumder(Gues	-	-	-	-	-	-
t)						

19. Publications: (2010-2015)

Details are given in Annexure 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: 100% of Students have done in-house Environment project.

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 : Students Award :

Sl. No	Name of the Students	Award	year
1.	Pallabi Chatterjee	3 rd	2012
2.	Arpita Das	1^{st}	2013
3.	Satabdi Ghosh	2^{nd}	2015

24. List of eminent academicians and scientists / visitors to the department.

ation	No. Name of the Eminent
	Academician
rly, Professor, Dept. of History,	Prof. Jahar Sen,
sity of Calcutta.	
Vice Chancellor, University of	Prof. Smritikumar Sarkar
an, W.B	
University of Kalyani.	Prof. Soumitra Sinha
of International Studies, Jawaharlal	Prof. Partha Sarathi Ghosh
University, New Delhi.	
Kanhu University, Dumka, Jharkhand.	Dr. Surendra Jha
•	Dr. Surendra Jha

25. Seminars/ Conferences/Workshops organized & the source of funding:

Sl.	Title of the Seminar	sponsored	level	Held on
no				
1.	Murshidabad: Locality to	UGC	State	6 th September, 2013
	Nation: A Bengal District in			
	Transition			
2.	Indo-Bangladesh Relation:	UGC	National	7 th & 8 th September,
	Problems, Issues and			2013
	Prospects.			

26. Student profile programme/course wise:

Name of the	Applications	selected	Enrolled		Pass
Course/Programme	Received		*M	*F	percentage
					(Year)

B.A. (Hons) for last 4 acad. Years.

2009-10	239	40	32	04	96.55 (2012)
2010-11	319	45	29	16	85.36 (2013)
2011-12	404	50	31	16	92.85 (2014)
2012-13	519	57	34	23	78.57 (2015)

B.A. (Gen) for last 4 acad. Years.

2009-10	1486	335	155	142	78 (2012)
2010-11	1523	526	291	201	50.63 (2013)
2011-12	1546	634	345	230	65.21 (2014)
2012-13	1584	856	410	417	52.17 (2015)

 $M = Male \quad F = Female$

27. Diversity of Students

Name of the	% of students from	% of students from other States	% of students from
Course	the same state		abroad
B.A (Hons)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name	Year of	NET	SET	WBCS	Defense	Others
	Passing					
Mithun Lodh	2009	-	-	-	-	Teacher
Sujay Mandal	2010	-	-	-	-	CISF
Nirmalendu Kundu	2010	-	-	-	-	Teacher
Pallabi Chatterjee	2012	✓	-	-	-	

29. Student progression*

Student progression	Against % enrolled
UG to PG	96%

*College has no record keeping system in this regard. Data are given based on personal contact with the students.

30. Details of Infrastructural facilities

a) Library : Yes, there are 140 number of books in the Departmental library

- b) Internet facilities for Staff & Students: For Staff only
- c) Class rooms with ICT facility : Nil
- d) Laboratories : N.A
- 31. Number of students receiving financial assistance from College, University, Government or other agencies:

Name of the Students	Type of Scholarship	Amount of Grant (Rs.)
	(from College for	
	subject toper in the	
	Department)	
Sayani Roy	B. Chakraborty	1000
	Memorial Prize	
Satabdi Ghosh	B. Chakraborty	1000
	Memorial Prize	
	Sayani Roy	Sayani RoyB. Chakraborty Memorial PrizeSatabdi GhoshB. Chakraborty

Part of the students receive Minority scholarships, Jindal & Kanyasree Scholarships.

- 32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts; Nil
- 33. Teaching methods adopted to improve student learning Interaction method, Projective Method, PPT method.
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities: NCC, NSS, Youth Parliament competition and involved many other social work.
- 35. SWOC analysis of the department and Future plans

Strength:

- A good number of students do their Hons Degree under our guidance and supervision.
- Students respect us their level based.
- We have a little departmental library.

- Arranged interdisciplinary classes.
- To grow interest in history, example carried out from freedom fighter who visited and studied in our college.
- The students came from interior part of the district to admit here to learn history, because they loved history and they knew that they born in historical district. The sense are our strength.
- We arranged the departmental seminar to aware a broad historical concept with the help of students.

Weakness:

- The most of the students are came from Bengali medium, on the other hand most of the reference history books are in English language.
- We cannot provide modern technique for students in class room.
- We handled the first generation learner.
- Maximum students came from very poor family.
- We don't have separate dept.
- Faculty students ratio is also very poor.
- Institution far from Kolkata, so, we unable to arrange more special lecture of renowned Professors.

Opportunities:

- Students can interact with their teachers any time.
- We have a small dept. Library.
- Students are getting internet facilities.
- Projector and modern teaching aids are provided to the students.
- It is our opportunities to make first generation learner eligible for modern society.
- Dept. arranges extra class and special classes.
- Dept. advised students to secure SET/NET or other Public Service Exam.

Challenges:

- To reduce the number of drop-out.
- Moral help for the girls students to continue their study.
- To establish the future life of students on the basis of historically concept.
- To establish, the subject of history is relevant for modern human society.
- To fulfil students' multifaceted requirements apart from syllabus oriented teaching such as counselling them about how to combine their talents and expectations with relevant career opportunities.

Annexure 1 to Department of History

Prof. Alok Kumar Biswas

Awarded Minor Research Project :01

The Beedi Industry of Murshidabad: A Social Problem. By UGC Finance Assistance.

Published Chapter on a Book:01

"Nabajagaroner Protham Alo Srichaitannya" Suknta Pal & Subrata Roy (edt), "*Chaitannya Chetana O Maharaja Krishnachandra*" Published by Mitram, Kolkata, June, 2014, pp. 153-171, ISBN: 978-93-84104-00-9,

Research Publications in Peer-Reviewed Journal (2010-2015):02

- i) "OPEN EYES" Journal of SRL Mahavidyalaya, Vol. 10, No. 1 & 2 June & December, 2013. Bhabesh Majumdar & Sanjoy Sarkar (edt), "Maharaja Krishnachandra: Palasir Youdha O Uttarkal", Published by Dr. S.N.Kar, Principal of Majdia S.R.L.Mahavidyalaya, Majdia, Nadia, W.B. ISSN : 2249-4332, pp.86-93.
- "OPEN EYES" Journal of SRL Mahavidyalaya, Vol. 11, No. 1 & 2 June & December, 2012. Bhabesh Majumdar & Sanjoy Sarkar (edt), "Murshidabader Beedi Silpe Mahila O Aprapta Beedi Sromikderkatha", Published by Dr. S.N.Kar, Principal of Majdia S.R.L.Mahavidyalaya, Majdia, Nadia, W.B, pp., ISSN : 2249-4332,

Research Publications in Journal (2010-2015):01

i) "Uttar Pattra" Journal of Poribesh O Sanskriter Dalil, Vol. 5, No. 1, 5th June, 2014, Tuhin Subra Mandal (edt), "*Kautilyer Paribesh Bidhi*" Published by T.S.Mandal, Balurghat, Denajpure-N, pp.20-23, ISSN: 2319-8109

Publication in full proceedings (2010-2015): 04

- i) "Ndiyar Bibartan", in **Itihas Anusandhan**, Vol.27, 2013, Manju Chattapadhyaya (edt.) Kolkata, pp.593-605, ISBN:978-81-910874-3-7.
- "Ndiyay Boudha Sthapatya" in Local History and its Sources, Soumitra Srimani (edt.), Published by Dept. of History, P.N.Das College, Palta, 24pgs-N, 2012, pp. 61-69, ISBN: 978-93-80755-20-5.
- iii) "Samprodayiata Ghurnaborte Samanwayee Rejaul Karim: Prekshapat Murshidabad", in "Revisiting Fundamentalism & Communalism on the Present Perspective in India Context", Sucharita Mitra & Kutubuddin Biswas,

(edt.), Published by Dept. of History & Pol-Science, Jatindra Rajendra Mahavidyalaya, Amtala, Murshidabad, W.B., 2013, pp.88-94, ISBN: 978-93-84383-00-8.

iv) A.K.Biswas (2nd author): 1st author G.K.Ghosh: Bouddha Devi O Dharmer Vivartan; proceedings of state level Seminar by Haripada Gouribala College, 2015, pp. 44-48, ISBN no. 978-93-847729-10-3.

Paper Presented in Seminar (2010-2015)

a) International Seminar: 01

 Biennial National Conference of the International Seminar organized by the Bangladesh History Association, on 29-30 April and 1 may 2010, Title of Presented Paper "Maharaja Krishnachandrer Ditiya Rajdhani Aaj Dhansathup",

b) National Seminar:04

- i) UGC Sponsored National Level Seminar on "Revisiting Partition of India-Longterm Perspective" on 6th & 7th December, 20212, Organized by Prof. Syed Nurul Hasan College, Faraka, Murshidabad, W.B. Title of the Paper "*Partition and Refugee Culture in Murshidabad*"
- UGC Sponsored National Level Seminar on "Education for Sustainable Development in 21st Century" on 4th and 5th October, 2012, Organized by Union Christian Training College, Berhampore, Murshidabad, W.B.

Title of the Paper "Opnibeshik Sashankale Deshio Chikitshar Abastha"

- UGCF Sponsored National Level Seminar on "Aspects of Partition of India in 1947" on 28th March, 2014, Organized by Post Graduate Department of History, Malda College, Malda, W.B. Title of the Paper "*Partition and Displacement*",
- iv) UGC Sponsored National Level Seminar on "Indo-Bangladesh Relations: Issues and Problems" on 7th & 8th September, 2013, Organized by Dept. of Pol-Science & History, Krishnath College, Berhampore, Murshidabad, Nadia, W.B. Title of the Paper "*Partition and Refugee Rehabilitation in Murshidabad*"

c) State Seminar:10

 i) UGC Sponsored State Level Seminar on "Binodoner Biborton: Aam Banglay-Gram Banglay", on 26th & 27th August, 2014, Organized by Panthupi Haripada Gouribala College, Panchthupi, Murshidabad, W.B. Title of the Paper "*Boudha Devi O Dharmer Bibortan*",

- v) Paschimbanga Itihas Samsad, XXIX Annual Conference, on 24th to 26th January, 2013, Organized by Lady Brabourne College, Kolkata. Title of the Paper "*Rajdhani Sibnibash-Eti Bismrito Nam*"
- Vi) UGC Sponsored State Level Seminar on "Revisiting Fundamentalism & Communalism on the Present Perspective in India Context", on 12th November, 2013, Organized by Jatindra Rajendra Mahavidyalay, Amtala, Murshidabad, W.B. Title of the Paper "Samprodayiata Ghurnaborte Samanwayee Rejaul Karim: Prekshapat Murshidabad",
- Vii) UGC Sponsored State Level Seminar on "Murshidabad: From Locality to Nation, A Bengal District in Transition", on 6th September, 2013," Organized by Dept. of History, Krishnath College, Berhampore, Murshidabad. W.B. Title of the Paper "Literacy Prospect of Murshidabad (1850-1947),
- viii) Paschimbanga Itihas Samsad, XXVIII Annual Conference, on 24th to 26th January, 2012, Organized by Vivekananda College, Thakurpukur, Kolkata.Title of the Paper "*Nadiyar Bibartan*".
- ix) UGC Sponsored State Level Seminar on "The State and the People: Politics of Development in late 20th Century", on 29th & 30th August, 2011, Organized by Dept of History, Bethuadahari College, Bethuadahar, Nadia, W.B. Title of Paper "Shikhyay Nadia: Swadhinatar Aage Ebong Swadhinatar Tin Dasa Pore".
- UGC Sponsored State Level Seminar on "The Sources of Local History" on 26th November, 2010, , Organized by Dept. of History, P.N.Das College, Palta, 24 Parganas-N, W.B. Title of the Paper "Nadiyay Boudha Sthupa"

d) Regional Level Seminar: 02

- i) On Day Seminar on "Role of IQAC in Fostering Environmental Consciousness" on 9th September, 2015. Organized by Krishnath College, Berhampore, Murshidabad, W.B., Title of the Paper "*The Poor Produce For The Poor: Beedi, With Health Problems*".
- ii) One-Day Seminar on 23rd September, 2015. "Acharya Brajendranath Seal: The Great Humanist and Scientific Philosopher", Organized by Dept. Of Philosophy, Krishnath College, Berhampore, Murshidabad, W.B., Title of the Paper "Acharya Brojendranath Seal and Contemporary Society".

Prof. Arindam Mandal:

Paper Presented in Seminar (2010-2015): 01

 i) UGC Sponsored National Level Seminar on "Revisiting Partition of India-Longterm Perspective" on 6th & 7th December, 2012, Organized by Prof. Syed Nurul Hasan College, Faraka, Murshidabad, W.B. Title of the Paper "*Refugee problems of West Bengal since 1947-71*"

Prof. Rajarshi Chakraborty:

Paper Presented in Seminar:02 International:

- i) International Seminar, Itihas Academy, Dhaka, Title of the Paper "Raja Krishnath: Banglar Renessancar ekti Ujjal Kintu Abaheliito Byakti,", on 27th Februry, 2010, Dakha Bangadesh.
- Biennial National Conference of the International Seminar organized by the Bangladesh History Association, on 29-30 April and 1 may 2010, Title of Presented Paper "1947 e Desh Bhag er prekhete Murshidabad Jela", National:
 - i) 71st Session of Indian History Congress, held at Gaur Banga University, title of the Paper "Shatranj Ke Khelari and Umrao Jan: Revisitin History Through Films" on 11th to 13th Ferury, 2011.

State:

 i) UGC Sponsored State Level seminar on "The Statte & the politics of development in Late 20th Century" organised by Bethuadahuri College, Bethua, Nadia, title of the Paper "CON/NGO Politicis in HIV Sectory in West Bengal" on 29th August, 2011.

Evaluative Report of the Department of Mathematics

- 1. Name of the department: Mathematics
- 2. Year of Establishment:

UG	Honours	1907
	General	1907
PG		

- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG
- 4. Names of Interdisciplinary courses and the departments/units involved: NIL
- 5. Annual/ semester/choice based credit system (programme wise): Annual
- 6. Participation of the department in the courses offered by other departments: **NIL**
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL
- 8. Details of courses/programmes discontinued (if any) with reasons: ---
- 9. Number of Teaching posts:

	Sanctioned	Filled
Professors		
Associate Professors		00
Asst. Professors	05	04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.):

Name	Qualifica tion		Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Abhijit Banerjee	M.Sc., Ph.D.	Asst. Prof.	Mathematical Physics	10+	
Rajib Mukherjee	M.Sc.	Asst. Prof.	Complex Analysis & Topology	8+	
Anuprava Biswas	M.Sc.	Asst. Prof.	Mathematical Biology & Bio mechanics	5+	
Subrata Kr. Das	M.Sc.	Govt. Approved Part-time Teacher	Theory of Relativity and Celestial Mechanics	15+	
Biltu Saha	M.Sc.	Guest Lecturer	Complex Analysis	2+	
Dipak Kr. Das	M.Sc.	Guest Lecturer	Operation Research	2+	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Honours	Theory	6%
	Practical	0%
Gen	30%	

13. Student - Teacher Ratio (programme wise):

Honours	14.5 : 1		
General	68:1		

- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled; Laboratory Assistant (Technical): **NIL**
- 15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ MPhil / PG.:

Teaching faculties with					
M.Sc. & Ph.D.	M.Sc.				
1*	2*+1(PTT)+2(Guest Lecturer)				

^{*}Department has no data about one of our permanent faculty, Mainul Hoque, who is in leave. However, status of his leave is not known to the college authority.

16. Number of faculty with ongoing projects from a) National (N)b) International (I) funding agencies and grants received:

Grant No.	Principal Investiga tor	Project Title	N/ I	Funding Agency	Grant sanction ed	Tenure
UGC- Minor Research Project,	Dr. Abhijit Banerjee	Study of some quantum Hamiltonians in the framework of bicomplex algebra and their extension to non-	N	UGC	2,20,000 INR	2 Years
F.No.PSW -095/14- 15(ERO)		Hermitian system				

- 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 : (2010-2014)

Name of teacher	No. of paper		No. of publica t-ions in interna ti-onal data	Mo nog rap hs	Chapte r in books	Book s edite d	Book s with ISSN /ISB N no.	Cita tion Inde x	SN IP	S J R	Im pac t Fac tor	H- index (Aut hor)
	Nat.	Int.	base							each licat		
Dr. Abhijit Banerjee		04	04					195				05
Rajib Mukherjee		04	04						An	nexu	ıre 1	
Anuprava Biswas		01	01									
Subrata Kr. Das		01										

A detailed list of publication per faculty from date of joining up to 2015 is given in the Annexure 1

- 20. Areas of consultancy and income generated: NIL
- 21. Faculty as members in:

Name	National	International	Editorial	Any others
	Committee	Committee	Boards	
Dr. Abhijit				Member of
Banerjee				Board of Studies in University of Kalyani
Rajib Mukherjee	Life Member of Indian Mathematical Society			

- a) Percentage of students who have done in-house projects including inter departmental/programme: 100% ENVS Project
- 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:

Name of faculty	Award
Dr. Abhijit Banerjee	UGC Faculty Development Programme award (no. F- TF.WK4-005-02/09-10 (ERO) Dt. 19.11.10) from 03.12.2010-26.09.2012.
	Ph.D. from University of Calcutta Dt. 08.05.2013.

Students Award:

Name of the student	Award	Year	
Debalina Bhattacharya	University 2nd	2011	
Banani Dutta	University 1 st		
Ayub Ali Sk.	University 2 nd	2012	
Debaprasad Pal	University 3 rd		
Arindam Mandal	University 2 nd	2013	
Santu Ghosh	University 3 rd	2015	
Soumen Mandal	University 2 nd	2014	
Ananya Choudhury	University 2 nd	2015	

- 24. List of eminent academicians and scientists / visitors to the department: **NIL**
- 25. Seminars/ Conferences/Workshops organized & the source of Funding (National/International/State Level): NIL

26. Student profile programme/course wise:

Name of the	Academic	Applications	Selected	Enrol	led	Pass
Course/programme	Year	received		**M	**F	percentage (year of
	2000 10	0	40		0.2	passing)
B.A / B.SC. (Hons.)	2009-10	876	49	44	03	88.46
						(2012)
	2010-11	621	50	39	08	82.85
						(2013)
	2011-12	845	49	41	03	97.72
						(2014)
	2012-13	908	50	31	10	91.17
						(2015)
B.A / B.SC. (GEN)	2009-10	112	78	46	10	86.36
						(2012)
	2010-11	137	84	50	13	88.88
						(2013)
	2011-12	168	95	63	08	85.71
						(2014)
	2012-13	145	98	57	11	64.70
						(2015)

******M = Male, ******F = Female

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. (Hons.)	100	NIL	NIL
B.Sc. (Gen.)	100	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year of	CSIR	GATE	NBHM	TIFR	JAM-	Ph.D./M.Phil./University
passing	NET/SET				IIT	Rank
exams						
2014-	2					Ph.D11
2015						
2013-	6	1				
2014						
2012-	5	4				M.Phil2
2013						
2011-	1	1	1		2	
2012						
2010-				2	5	University Rank-3
2011						

29. Student progression*:

Student progress	Against % enrolled	
UG to PG		>95%
PG to M.Phil.		
PG to Ph.D.		20% (Approx.)
Ph.D. to Post-Do	octoral	
	Campus selection	0%
Employed	Other than campus recruitment	>65%
Entrepreneurship/Self-employment		

- * College has no record keeping system in this regard. Data are given based on personal contact with the students
- 30. Details of Infrastructural facilities
 - a) Library: Departmental library having 106 books till date.

(These are donated by faculties, students and alumni association) b) Internet facilities for Staff & Students: For Staff and students are getting help for academic purpose and for applying different examinations.

c) Class rooms with ICT facility: NIL

- d) Laboratories:01 (College central computer lab)
- 31. Number of students receiving financial assistance from college, university, Government or other agencies:

Session	Name of Student	Type of Scholarship			Amount of
		(from College for subject topper in			Grant (Rs.)
		the department)			
2013-	Soumen	Chhaya	Ghosh	Memorial	1000
2014	Mandal	Prize			
2014-	Ariful Islam	Chhaya	Ghosh	Memorial	1000
2015		Prize			

A good number of students also receive Minority scholarship every year.

- 32. Details on student enrichment programmes (special lectures /workshops /seminar) with external experts:
 - 1. MTTS Programme-06
 - 2. Winter Camp for students qualifying Madhava Mathematics Competition-04
- 33. Teaching methods adopted to improve student learning:
 - 1. Class tests for UG Honours students regularly.
 - 2. Interaction with eminent faculties.
 - 3. Chalk and talk method.
 - 4. Use of LCD projector.
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
 - 1. N.S.S.
 - 2. College annual social programme.
 - 3. Students participation in Science fair, Quiz etc.
 - 4. Tree plantation Department wise.
 - 5. Blood donation by Rajib Mukherjee.

35. **SWOC** analysis of the department and Future plans:

Strength:

- The department boasts of highly qualified, competent and dedicated teaching faculty.
- Students are diligent, obedient and have shown commendable performance in University examinations with many placed high up in the merit list.
- Appreciable results of our students in different entrance examinations in different institutions and in different mathematics competitions. Students' progression, after passing out college, into the field of higher eduaction and research in mathematics is also enthusiastic.
- Useful collection of books in the departmental library those are donated by the faculties passed out students and alumni association.
- Well equipped computer laboratory for students' purpose (in sharing basis with other departments).
- Teacher-students cordial relationship.
- A moderated teacher-students ratio.
- Special classes are held both in theoretical and practical courses to complete syllabus within the short time schedule available.

Weakness:

- Inadequate built-in space for laboratories, classrooms, staffroom and also seminar library.
- No allotted non-teaching staff (Group –D), Lack of space and infrastructural facility for faculty members to pursue research.
- Inadequate classrooms and lack of separate computer laboratory for department.
- Insufficient inflow of government funds for incurring the regular recurring expenditure of the department.
- The lecture rooms are not equipped with state of art ICT tools.
- Faculty research is hindered by the fact that there is too much burden of classes for them in the absence of adequate number of permanent teachers in the department.

Opportunity:

- Teachers have been involved in different research projects from time to time.
- Motivating students for higher studies through counseling.
- JAM coaching classes held to prepare students for entrance examination.
- Remedial classes for students.
- Students get the flavor of syllabus-free mathematical taste through participation in Madhava mathematics Competition, a national level

mathematics examination for graduate students, funded by NBHM.

Challenge:

- Limited freedom in deploying innovative teaching methods due to syllabus and time constraints arising from the (1+1+1) examination system adopted by the University of Kalyani for the UG course.
- Being a Government-aided College the process of filling up of teaching and non-teaching post is slow.
- To maintain the enthusiasm aiming higher study of mathematics of the students belong such an economically backward district.

Future Plans:

- Organizing seminars, workshops on a regular basis to give a flavor and adequate exposure to students about the trends in higher studies.
- Expansion of the department with availability of more space.
- Requesting Government for sanctioning of new teaching posts and for adequate fund for the department.
- To guide students for Ph.D.
- To coach students for entrance examinations held by prestigious institutions like ISI,IITs,IISC,IISER,TIFR etc.

<u># Annexure 1 to Dept. of Mathematics</u> (All data are of 2014 database)

Publications of Dr. Abhijit Banerjee:

(a)<u>From 2010-2015:</u>

Title of publication A generalized Swanson Hamiltonian in a second-derivative pseudo-	Publisher with ISSN/ ISBN International Journal of Modern Physics A (World Scientific) ISSN-0217-751X	Year of publi catio n 2015	Indexed in internationa I data base Science citation index, Scopus,	SNI P 0.52	SJR 0,739	Impact Factor	H- Inde x 74
supersymmetric framework	EISSN-1793-656X		Zentralblatt, Ebsco etc				
Fourier transform for function of bicomplex variables	Asian Journal of Mathematics and Applications ISSN-2307-7743 ArXiv: 1404.4236 [math.CV]	2015	Google scholar, SAO -NASA ADS				
Inverse Laplace Transform for Bicomplex Variables	Mathematical Inverse Problems ISSN-2381-9634 (Asia Pacific journal of Mathematics) Arxiv: 1403.3313 [math.CV]	2014	Google scholar, SAO- NASA ADS				
CPT-conserved effective mass Hamiltonians through first and higher order charge operator C in a supersymmetric framework	Journal of Mathematical Physics (American Institute of Physics) ISSN-0022-2488 EISSN-1089-7658	2013	Science citation index, Ebsco etc	0.90	0,722	1.176	77

(b)From date of joining (01.03.2005) upto 2009:

Title of publication	Publisher with ISSN/	Indexed in	SNIP	SJR	Impact	H-
	ISBN	international data base			Factor	index
Deformed shape invariance	Journal of Physics	Science citation	0.77	0,785	1.583	99
and exactly	A:Mathematical &	index,Scopus,				
solvable Hamiltonians with	General, (Presently, after	Pascal,				
position-dependent	2007, Journal of Physics	Zentralblatt,Ebsc				
effective mass	A: Mathematical &	o,Genamics etc.				
	Theoritical)					
	Institute of Physics					
	(UK),					
	ISSN-1751-8113					
	Online ISSN-					
	1751-8121					
Hamiltonians with Position-	Bulgarian Journal of	Genamics				
Dependent	Physics,					
Mass, Deformation and						
Supersymmetry	Heron press, Sofia					
	(recognised by European					
	Physical Society)					
	ISSN-1310-0157					
	Online ISSN-					
	1314-2666					
A Perturbative Treatment	Modern Physics Letters	Science citation	0.52	0,557	1.198	64
of a Generalized PT-	A	index, Scopus,				
Symmetric Quartic	(World Scientific)	Zentralblatt,				
Anharmonic	ISSN-0217-7323	Ebsco etc				
Oscillator	EISSN-1793-6632					
CPT-Conserving	International Journal of	Science citation	0.52	0,739	1.699	74
Hamiltonians and their	Modern Physics A	index, Scopus,				
Nonlinear	(World Scientific)	Zentralblatt,				
Supersymmetrization Using	ISSN-0217-751X	Ebsco etc				
Differential Charge-	EISSN-1793-656X					
Operators C						
PT-symmetric quartic	Czechoslovak Journal of	Scopus,Genamic				
anharmonic oscillator and	Physics	s,Ebsco etc				
positiondependent	Kluwer Academic					
mass in a perturbative	Publishers ,Springer					
approach	ISSN-0011-4626					
	Online ISSN-					
	1572-9486					

Workshop & Seminar/Conference-Paper presentations in (2010-2015):

1) ICCDMMS (**International Conference**) --- **Paper presentation** (Dated: December 19-21, 2014) Organized by Calcutta Mathematical Society.

2) NSMA 2014 (**National Seminar**) --- **Paper presentation** (Dated: March 4-5, 2014) UGC-SAP Sponsored and Organized by University of Kalyani.

3) NSRTM 2013 (National Seminar) --- Paper presentation (Dated: March 8, 2013). UGC-SAP Sponsored and Organized by University of Kalyani.

4) Quantum Mechanics: Theoretical Concepts and Applications (State Level Seminar)
--- Paper presentation (Dated November 22-23, 2013) Organized by Dumkal College, Dumkal, Murshidabad.

Publications of Rajib Mukherjee:

(a)From 2010-2015:

Title of publication	Publisher with ISSN/	Year of	Indexed in	Impact
	ISBN	publication	international data	Factor
			base	
Uniqueness of entire	Bull. Austral. Math.	2012	American	0.54
functions sharing a value	Soc.		Mathematical	
with linear differential	(Cambridge		Society,	
polynomials	University Press)		Ebsco,	
	ISSN: 0004-9727		Springer,	
	EISSN: 1755-1633		Thomson Reuters,	
			Elsevier BV etc.	
Entire functions sharing	Analysis (Berlin)	2014	Scopus,	
certain values with their	(De Gruyter)	2011	Ebsco,	
derivatives	(De Grugter) ISSN: 0174 – 4747		Zentralblatt	
	Online ISSN: 2196-		etc.	
	6753			
Value sharing by an	Acta Mathematica	2015	Scopus,	
entire function with its	Vietnamica		Zentralblatt,	
derivative	(Springer)		Mathematical	
	ISSN: 0251-4184		Reviews etc	
	Online ISSN: 2315-			

	4144			
Value distribution of the	Kyungpook Math. J.	2015	Mathematical	
product of a	(Kyungpook		Reviews,	
meromorphic derivative	Mathematical Journal		Scopus,	
and a power of the)		Zentralblatt etc	
function	pISSN : 1225-6951			
	eISSN : 0454-8124			

(b)From date of joining (2007) upto 2009: Nil

Workshop & Seminar/Conference-Paper presentations in (2010-2015):

- 1) ICCDMMS (International Conference) --- Paper presentation (Dated: December 19-21, 2014) Organized by Calcutta Mathematical Society.
- 2) NSMA 2014 (National Seminar) --- Paper presentation (Dated: March 4-5, 2014) UGC-SAP Sponsored and Organized by University of Kalyani.
- Acted as Invited Speaker (State Level Seminar) ---21st Feb, 2014.
 Organized by Sundarban Mahavidyalaya, West Bengal.
- 4) Work Shop organized by National centre for Mathematics (www.atmschools.com) (In Collaboration with TIFR & IIT, Bombay) (Dated: December 27-31, 2013).
- 5) NSRTM 2013 (National Seminar) --- Paper presentation (Dated: March 8, 2013). UGC-SAP Sponsored and Organized by University of Kalyani.
- 6) NSAMGT 2012 (**National Seminar**) --- Participation (Dated: March 21-22, 2012). UGC Sponsored and Organized by University of Kalyani.
- CCAA 2011(National Seminar) --- Participation (Dated: Nov. 24-25, 2011).
 UGC Sponsored and Organized by Sundarban Mahavidyalaya, West Bengal.

Publications of Anuprava Biswas:

(a)<u>From 2010-2015:</u>

Title of publication	Publisher with ISSN/ ISBN	Year of publication	Indexed in international data
			base
Influence of Magnetic Field	International Journal of	2011	Scopus, Ebsco etc
on Pulsatile Flow of Blood	Computational		
Through a Thin-Walled	Intelligence and		
Elastic Artery.	Healthcare Informatics.		
	ISSN: 0973-7413		

Workshop & Seminar/Conference-Paper presentations in (2010-2015):

- 1) NSMMNP 2010 --- Paper presentation (Dated: October 29, 2010) Organized by Indian Society of Non-linear Analysis, Bose Institute (Main Campus), West Bengal.
- 2) NSRDMMS 2011 --- Paper presentation (Dated: November 25-26, 2011) Organized by Indian Society of Non-linear Analysis in collaboration with Department of Mathematics, Bethune College, West Bengal.

Publications of Subrata Kumar Das:

(a)From 2010-2015:

Title of publication	Publisher with ISSN/ ISBN	Year of publicatio n
A note on contact manifolds and applications	Khulna University Studies. ISSN: 1563-0897	2010

(b)From date of joining (2000) upto 2009: Nil

Workshop & Seminar/Conference-Paper presentations in (2010-2015):

1) Seminar cum Workshop on trends in Bioinformatics---Paricipation (Dated 08-09 March,2013) organized by Berhampore Girls College.

Evaluative Report of the Department of Philosophy

1.	Name of the department:	Philosophy	
2.	Year of Establishment :	(GEN); 1853	(HONS); 1910
3.	Names of Programmes / Course Masters; Integrated Ph.D., etc.):	(, , , , , , , , , , , , , , , , , , ,	
4.	Names of Interdisciplinary course	es and the departmen	nts/units involved: Nil
5.	Annual/ semester/choice based cr	edit system (program	nme wise): Annual
6.	Participation of the department in	the courses offered	by other departments: Nil
7.	Courses in collaboration with oth Nil	her universities, ind	ustries, foreign institutions, etc.
0			

- 8. Details of courses/programmes discontinued (if any) with reasons : N.A.
- 9. Number of Teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	04	2 & 1(on lien)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

		i.	í i		
Name	Qualificati on	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Rinku	M.A.	Assistant Prof.	Logic	14 years	NIL
Bakshi	M.Phil	(stage-III)			
Dr.Tripti	M.A.	Assistant Prof.	Philosophy of	6 Years	NIL
Dhar (On	Ph.D.	(stage-I)	language east		
Lien from			and west		
August					
2014)					
Goutam	M.A.	Assistant Prof.	Buddhism	13 years	NIL
Kumar		(stage-III)			
Ghosh					
Chandana	M.A.,	Govt.	Vedanta	12 years	NIL
Das	NET	Approved			
	qualified	Part-time			
Calanai	M.A.	Tanchar	Nesses	11	NII
Sahanaj	M.A.	Govt.	Nyaya	11years	NIL
Begum		Approved			
		Part-time			
Dalia	M.A	Govt.	Psychology	11years	NIL
Sengupta		Approved			
		Part-time			
		Teacher			

- 11. List of senior visiting faculty: Nil
- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : N.A.
- 13. Student -Teacher Ratio (programme wise for the academic session 2014-2015): HONS- 19:1; GENERAL- 270:1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled ; N.A.
- 15. Qualifications of teaching faculty with

M.A: 03(PTT), M.A: 01, M.A & M.Phil: 01, and M.A, M.Phil & Ph.D: 01(On lien)

- Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: One completed by Dr. T. Dhar (UGC XI th plan, 2012-2013)
- 17. Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
- 18. Research Centre / facility recognized by the University: N.A.
- 19. Publications (2010-2015):

Faculty	Publication	Publication	Paper	Publication	Chap	Book
	in journal	with peer-	presented	in full-	in	s
		reviewed		Proceedings	Book	
		journal				
Prof. R.Bakshi		01	04	01		
Prof. T.Dhar		01				01
Prof. G.K.Ghosh	01	02	05	10		
Prof. C.Das(PTT)						
Prof.S.Begum(PTT)						
Prof.D.Sengupta						
(PTT)						

- Details are given in *Annexure1*.
- 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: 100% of the students have done in-house Environmental Project
 - 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:

Student Award:

Sl. No.	Name of the student	Award	Year
1.	Md. Jubair Saikh	3 rd (K.U Final)	2014

Faculty Award: Nil

Sl.No	Name of the Eminent	Designation
	Academician	
1.	Prof. Raghunath Ghosh;	Formerly, professor, Dept of
		Philosophy and Formerly
		Dean of North Bengal
		University; Emeritus Fellow of UGC.
2.	Prof. Subuddhicharan Goswami	Formerly, Professor,
		professor, Dept of Sanskrit
		and Formerly Dean of
		Rabindrabharati
		University.New Delhi.
3.	Prof. Tapan Kr. Chakraborty	Formerly, professor, Dept of
		Philosophy, Jadavpur
		University, Kolkata.
4.	Prof. Sanjib Kr. Datta	Controller, University of
		Kalyani
5.	Prof. Kuheli Biswas	Assistant Professor and Head
		the Dept. of philosophy,
		University of Kalyani.
6.	Prof. Anindya Bandyopadhyay	Assistant Professor and Head
		the Dept. of Sanskrit,
		University of Kalyani.

24. List of eminent academicians and scientists / visitors to the department:



A discussion with eminent academicians at the time of departmental visit.

25. Seminars/ Conferences/Workshops organized & the source of funding a) State / Regional: State -01, Sponsored by UGC .

Title of the semina	r	Sponsored	Level	Held on
Understanding	Swami	UGC	State	23rd &24th August,2013
Vivekananda	in			
Contemporary Per	Contemporary Perspective			



Seminar on Understanding Swami Vivekananda in Contemporary Perspective



26. Student profile programme/course wise:

Student profile programme /course wise :

Name of the Course/programme	Applications received	Selected	En	rolled	Pass percentage	Pass out
			*M	*F	percentage	Year
B.A. (HONS)	I	I	I	I		
(for last 4 Acad. Years)						
• 2009 -10	243	40	20	16	84.85	2012
• 2010-11	259	40	20	14	57.70	2013
• 2011-12	247	40	20	12	57.14	2014
• 2012-13	288	50	20	24	55.55	2015
B.A (GEN) (Opted Ph (for last 4 Acad. Years)					1	
• 2009 -10	1486	230	121	101	78	2012
• 2010-11	1523	227	101	103	50.63	2013
• 2011-12	1546	236	117	105	65.21	2014
• 2012-13	1584	241	122	112	52.17	2015

*M = Male *F = Female

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.(Hons.)	100%	Nil	Nil

 How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Yes.

Name	Year Passing	of	NET	SET	WBSSC
Surayia	2012				
Yeasmin					
Naznin	2010				\checkmark
Sultana					
Sukla	2010				
Mondal					
Soma Ghosh	2010				\checkmark
Sanghamayee	2012		\checkmark		
Kundu					
SomSubhra	2010				\checkmark
Annapurna	2010				$\overline{\mathbf{v}}$
Mondal					

29. Student progression*

Student progression	Against % enrolled
UG to PG	95%

- * College has no record keeping system in this regard. Data are given based on personal contact with the students
- 30. Details of Infrastructural facilities
 - a) Library : Yes, Number of Books: 150
 - b) Internet facilities for Staff & Students: For Staff only
 - c) Class rooms with ICT facility : Nil
 - d) Laboratories: N.A.
- 31. Number of students receiving financial assistance from college, university, Government or other agencies:

Acad.	Name of Student	Type of Scholarship	Amount of
Year		(from College for subject	Grant (Rs.)
		topper in the department)	
2013-	Md. Jubair Seikh	N.K. Bhattacharya	1000
2014		& S.R. Devi	
		Memorial prize	
2014-	Marufa Sultana	N.K. Bhattacharya	1000
2015		& S.R. Devi	
		Memorial prize	

Part of the students receive Minority scholarships & Kanyasree scholarships.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: ICPR Sponsored periodical lecture on 4th March, 2014.

33. Teaching methods adopted to improve student learning: Used Audio visual, Power point, Board, Marker, Duster Etc.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: NSS, NCC, Youth parliament competition and involved many other social work.

35. **SWOC** analysis of the department and Future plans

Strength:

- Good academic records by the students
- Departmental library with sufficient number of text books and reference books
- Arrangements of Invited lectures by renowned University and college teachers including retired teachers of this department.
- ICPR sponsored periodical lecture arranged.
- Frequent seminar arranged by department.
- Helpful faculty members.

Weakness:

- Lacking of knowledge about computer of the student.
- Students are unable to consult text and reference books because most of the students are first generation learner and they have very poor knowledge about English language.

Opportunities:

• Being a student and a teacher of philosophy department, there are so many chances of clarification of thought, justified moral standpoint, and also an advantage of psychological counseling.

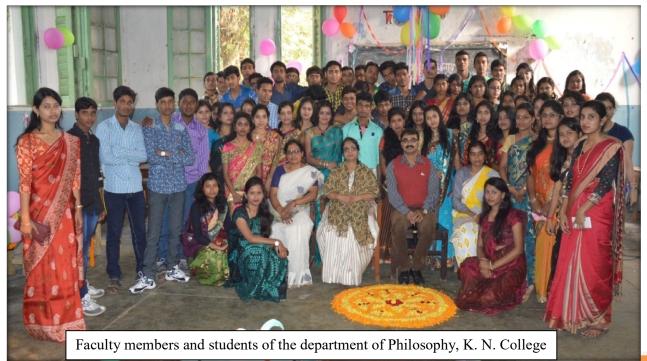
• Arrangement of memorial prizes by ex and present teachers of this department for those students who secure highest marks in the university examination.

Challenges:

- Counselling for career guidance.
- To make a good human being as a part of society which helps to make good social environment.
- To motivate students for utilization of the opportunities available to them.

Future plans:

- Opening of Master degree course.
- Creation of Research atmosphere for both teachers and students.
- Improvement of Departmental library & internet facilities for Students.
- Extension of social service through the department
- In collaboration with the department of History we are going to arrange educational tours for the students. So that they can acquire more knowledge about their subject and it would be a refreshment for them apart from the abstract philosophical concepts. With that our aim is to arrange more seminars, group discussions etc. to enrich the knowledge of our students. So that they can involve themselves with a bright future.



Annexure 1 to Dept. of Philosophy

<u>Prof. Rinku Bakshi</u>

Research Publications in Peer-Reviewed journal (2010-2015):01

 Rinku Bakshi: Relation Between Mind & Body: Some Views'- Journal of Educational Thoughts, Multi-Disciplinary Peer Reviewed Journal. Vol. 2, No- 6, June 2015, ISSN :- 2348-1714 Nathulal Das B.Ed College P.O- Aurangabad. Dist:- Murshidabad, W.B. India Pin:- 742201.

Publication in full proceedings (2010-2015):01

1. Rinku Bakshi: "Binodoner nana-dik"; proceedings of state level Seminar by Haripada Gouribala college. 2015, page No.174-178 ; ISBN NO. 978-93-84729-10-3.

Paper presented in seminar(2010-2015):04

- UGC sponsored Two-Day State Level Seminar on 'Ahimsa in Traditional and Modern Indian Though; Selective Highlights on Jaina,Buddha and Gandhi' held on 23rd & 24th February 2012 at Sripat Singh College, Jiaganj , Murshidabad paper entitled ' Gandhi's Non-Violence'.
- 2. UGC sponsored Two-Day State Level Seminar on 'Ethical Values in Modern Society – A Reconstruction' on 20th &21st September 2013, Organised by Dept. Of Philosophy,S.R.Fatepuria College, Beldanga,Murshidabad in collaboration with Jatindra Rajendra Mahavidyalaya, Amtala,Murshidabad paper entitled '"haÑjje pijj¢SL f¢l¢ÙÛ¢a-a °e¢aLajlj§mÉjue'
- 3. UGC Sponsored Two-Day National Level Seminar on 'The concept of matter:-Samkhya philosophy Vs Modern Physics' on 14th & 15th February 2014 Organised by Sripat Singh College, Jiaganj, Murshidabad in collaboration with S.R.Fatepuria College, Beldanga,Murshidabad, paper entitled 'Sankhyas' Concept of matter & Spinozas' Metaphysics''.
- 4. UGC sponsored Two-Day State Level Seminar on " ¢h-eic-el ¢hhaÑe Bj hiwmiu NËij hiwmiu ' on 26th &27th August 2014 organised by Dept. Of Bengali & Dept. Of Philosophy, Panchthupi Haripada Gouribala College in collaboration Raja Birendra Chandra College, Kandi Murshidabad. Paper entitled " ¢h-eic-el eiei ¢cL '.

<u>Prof. Tripti Dhar</u>

Research publications in Peer-reviewed Journal: 01

1. Dr. Tripti Dhar: "Wittegenstine's concept of autonomy Language", International Journal of Multidisciplinary Education Research (IJMER), Indexed, vol. 2, Page No. 281-286; ISSN No. 2277-7881.

Publication in Book (2010-2014):01

1. Dr. Tripti Dhar: "Autonomy of Language: East-West Perspective", Lap Lambert Academic Publishing, Germany; January-2013, Page 1-162, ISBN No. 978-3-659-33121-3.

<u>Prof. Goutam Kumar Ghosh</u>

Research Publications in journal (2010-2015): 01

1. G.K.Ghosh: Linguistic analysis on syntactic basis: *A journal on Indology and Sanskrit*, Vol –IX, 2015; Page No. 01-11, ISSN NO. 2319-9415.

Research Publications in Peer-Reviewed journal (2010-2015):02

- G.K.Ghosh: Rabindra chetanay Bouddha Dharma-Darshan O Sanskriti; *Edulight, Multi- disciplinary, Bi-annual & Peer-Reviewed Journal*, Vol. 3, 2014, Page No.303-312, ISSN NO-2278-9545
- G.K.Ghosh: Ethical Dilemma of Social and Natural disaster mitigation; *journal of Educational thoughts*, Multi-disciplinary Peer-Reviewed journal; Vol.-2, 2015; Page No.234-243, ISSN NO. 2348-1714.

Publication in full proceedings (2010-2015):10

- G.K.Ghosh: Place of peace and value education for sustainable development; proceedings of National Seminar by UCTC, 2014, Page No.122-125; ISBN NO.978-81-925536-0-3.
- G.K.Ghosh: Vivekananda: Kartyava ki, Vivekananda and the Making of Indian Consciousness; proceedings of National Seminar by Dumkal College, Msd. W.B.2014, Page No. 132-137; ISBN-978-93-82042-58-7.
- 4. G.K.Ghosh: Vivekananda: Karmarahasya, proceedings of National Seminar by UCTC,2014, Page No. 145-148; ISBN: 978-81-925536-1-0,.
- G.K.Ghosh: Baishamya: Manabadhikarer Antaray, proceedings of state level Seminar by J.R.Mahavidyalaya.2014, Page No.67-71, ISBN NO.97893-84383-00-8.
- G.K.Ghosh: Relevance of Buddhist Non-Violence Thought in Modern Society: In the Light of Rabindranath Tagore; 'Philosophy of Violence' (An outcome of UGC Sponsored State Level Seminar) by Kandi Raj college, Kandi. Msd; 2014, Page no.45-52; ISBN NO: 81-7276-365-3.

- G.K.Ghosh: Manab Dharmer vivartaner dhara: Buddha theke Rabindranath; proceedings of state level Seminar by Haripada Gouribala college. 2015, page No. 192-197; ISBN NO. 978-93-84729-10-3.
- G.K.Ghosh (1st author) & M.Mondal: "Vivekananda: Paropokare nijer-e upokar", proceedings of National Seminar by UCTC,2014, Page No. 159-161; ISBN: 978-81-925536-1-0,.
- G.K.Ghosh(1st author) & A.K.Biswas: Bouddha Devi O Dharmer Vivartan; proceedings of state level Seminar by Haripada Gouribala college. 2015, page No.44-48; ISBN NO. 978-93-84729-10-3.
- 10. G.K.Ghosh: "Dharmiyo Sanskriti and Naitikata" proceedings of state level Seminar by S.R.F.college, 2013; page No. 7-9.

Paper presented in seminar (2010-2015):05

- G.K.Ghosh: Ontology: A Comparative study between Sat and Asat-Cosmogony; The concept of Matter: Sankhya Philosophy VS Modern Physics, on 14-15 Feb. 2014; by S.S.college Msd. W.B.
- 2. G.K.Ghosh: "The law of Ahimsa in Jainism and Buddhism"; Two day state level seminar on 'Ahimsa in traditional and modern Indian thought: selective highlight on Jain, Buddha and Gandhi' on 23-24th Feb. 2012 by S.S.college.
- 3. G.K.Ghosh: "Dharmer Bivajan o Murshidabad: Akti Darshanik samikha", One day state level seminar on 'Murshidabad from locality to nation, a Bengal distric transition', on 6th Sept. 2013, by Krishnath college.
- 4. G.K.Ghosh: "Buddhist social ethics and the new global society", One day state level seminar on 'Role of IQAC in fostering environmental consciousness' on 09th September,2015, by Krishnath college.
- 5. G.K.Ghosh: "The concept of Man according to Acharya Brajendranath Seal", One day regional level seminar on 'Acharya Brajendranath Seal: The great humanist and scientific philosopher'on 23rd September,2015, by Krishnath college.

Evaluative Report of the Department of Physical Education

- 1. **Name of the department :** PHYSICAL EDUCATION
- 2. Year of Establishment : 2010 (UG)
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG General
- 4. Names of Interdisciplinary courses and the departments/units involved : NIL.
- 5. Annual/ semester/choice based credit system (programme wise) : Annual
- 6. **Participation of the department in the courses offered by other department**: NIL.
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc. : NIL
- 8. Details of courses/programmes discontinued (if any) with reasons : NIL
- 9. Number of Teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	-	-

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

There is no permanent faculty. This is a self financing subject and department is entirely run by Guest Faculties.

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph. D. Students guided for the last 4 years
Mr. BUDDHADEV BASU	M.P.ED	Guest Lecturer	КНО-КНО	05 YEAR	NIL
Mr. AVIJIT DEB	M.P.ED	Guest Lecturer	FOOTBALL	02 YEAR	NIL

11. List of senior visiting faculty: NIL

12.

Percentage of lectures delivered and practical classes handled	Academic Session	Programme	Total No. of Lectures		% of Lectures		
(programme wise) by temporary faculty:			Theory 90 %	Practical 91 %	Theory	Practical	
	2014-2015	UG General	320	352	100	100	
	2013-2014	UG General	360	159	100	100	
	2012-2013	UG General	340	164	100	100	
	2011-2012	UG General	320	152	100	100	

- 13. Student Teacher Ratio: 120:1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : NIL
- 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.: DSc-00, D.Litt-00, Ph.D-00, M.PhIL-00, PG-02.
- 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: 100% of students in the 1^{st} year are engaged in project on ENVS

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) State / Regional : NIL
 - b) National : NIL
 - c) International : NIL

26. Student profile programme/course wise:

Name of the	Applications		Enrolled		
Course/programme	received	Selected	* M	*F	Pass percentage in Physical Education
B.A General (2010-2011)	20	17	10	07	85% (2013)
B.A General (2011-2012)	250	67	46	21	83% (2014)
B.A General (2012-2013)	200	77	54	23	80% (2015)

M = Male F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
General (UG)	100	-	-

28. How many students have cleared national and state competitive examinations

such as NET, SLET, GATE, Civil services, Defense services etc.? 17

29. Student progression

Student progression	Against % enrolled
UG to PG	15% (B.P.Ed) M.P.Ed
PG to M.Phil.	Not known
PG to Ph.D.	Not known
Ph.D. to Post-Doctoral	Not known
EmployedCampus selectionOther than campus recruitment	Not known
Entrepreneurship/Self-employment	Not known

- 30. Details of Infrastructural facilities
 - a) Library: YES
 - b) Internet facilities for Staff Students: YES
 - c) Class rooms with ICT facility: No
 - d) Laboratories: NA
 - e) Gymnasium: YES
 - f) Ground: YES
- 31. Number of students receiving financial assistance from College, University, Government Or other agencies : A healthy number of students avail Minority Scholarships, Jindal Scholarship and Govt. initiated Kanyashree scholarship.
- 32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Few students are associated with the NCC and NSS units
- 33. Teaching methods adopted to improve student learning :
 - Over and above conventional class room teaching, interactive class are regularly conducted using audiovisual aids for students to imbibe and appreciate the course curriculum.
 - Workshops are conducted on a regular basis to impart hand on training to students.
 - Regular interaction with National experts help the students have a through understanding of the various side of Physical Education.
 - Demonstration Method use for practical class.
 - Coaching Class for Various game.
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities : NIL
- 35. SWOC analysis of the department and Future plans

Strength :

- Excellent and elaborate gymnasium setup providing all the modern apparatus and instruments that the course curriculum demands.
- Provision for around 30 students for practical together in the gymnasium.
- A smart class room with the requisite audio-visual aids assist the faculty in taking interactive classes along with a dedicated portable computer.
- Participation in the inter-university meets, DPI sports, inter-college games and sports.
- Participation in State/National meets.

• Multi-Sports Ground for various game.

Weakness :

- Presently the department has only two G L
- Distance factor for the ground versus college
- No Indore infrastructure.
- No Ground staff.

Opportunities :

- The faculty members in the department are always looking to not only improve the student learning but also constantly upgrade themselves to share the latest developments in the subject that are occurring around the world.
- Newer faculty members with varied expertise are also joining the department and along with faculty members from various institutions of repute who visit the department during conferences/workshops infuse a huge amount of motivation to the students to love their subject.
- Play Ground.

Challenges :

- The geographical location of the college poses an impediment to potential students looking to get admitted in institutions which are relatively more accessible.
- Female students do not want to take part in any curriculum activity.

Future Plan :

- To introduce Honours in Physical Education.
- To start free coaching class for Comparative Exam like-SSC (P.Ed), Defence etc.

Evaluative Report of the Department of Physics

- 1. Name of the department: **PHYSICS**
- 2. Year of Establishment (GEN)- 1909; (HONS)- 1909
- 3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG
- 4. Names of Interdisciplinary courses and the departments/units involved: NA
- 5. Annual/ semester/choice based credit system (programme wise): Annual
- 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: NA
- 9. Number of Teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	02 (By promotion)
Asst. Professors	09	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 4 years
Dr. Manabesh	M.Sc, Ph.D	Associate	High Energy	17 Yrs. 5	-
Bhattcharya		Professor	Physics	Months	
(joined on			-		
22.05.1998)					
Dr.	M.Sc, Ph.D	Associate	Electronics	14 Yrs. 10	01
Krishnakali		Professor		Months	
Basu(Roy)					
Basir Ahamed	M.Sc	Asst.	Elementary	8 yrs 11	-
Khan		Professor	Particle Physics	Months	
(joined on					
23.12.2006)					
Samarendra	M.Sc	Asst.	Solid State	8 Months	-
Nath Saha		Professor	Physics		
(joined on					
26.02.2015)					
Anirban	M.Sc	Asst.	X-ray &	7 Months	-
Roychowdhury		Professor	Crystallography		
(joined on			(Solid State		
18.03.2015)		•	Physics)	0 11	
Anagha	Ph.D.	Asst.	Nuclear Physics	8 yrs 11	-
Chakraborty		Professor		Months	
(01.03.2005 to					
10_02_2014) Sourav	M.Sc	Govt.	Electronics	5 Yrs. 2	-
Mazumdar	111.50	Approved		Months	
(joined on		Part-time		101011115	
02.08.2010)		Teacher			
Arnab Das	M.Sc	Govt.	Electronics	5 Yrs. 2	-
(joined on		Approved		Months	
02.08.2010)		Part-time			
		Teacher			
Debdas Sarkar	M.Sc	Guest-	Nuclear &	3 Yrs. 11	-
(joined on		Lecturer	Elementary	Months	
10.11.2011)			particle Physics		

Arindam	M.Sc	Guest-	Solid State	1 Yr. 10	-
Chowdhury		Lecturer	Physics	Months	
(joined on					
13.12.2013)					

- 11. List of senior visiting faculty: NIL
- 12. Percentage of lectures delivered and practical classes handled (programme wise)by temporary faculty:

Honours	Theory	28%
	Practical	31%
General	Theory	25 %
	Practical	25%

- 13. Student Teacher Ratio (programme wise) : HONS : 8 : 1 GENERAL: 42 : 1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Sanctioned : 05, Existing : 2 (Permanent) + 2 (Temporary)

No. Sanctioned post	Name of the Employee	Designation	Category of Staff	
5	Mr. Bijoy Halder	Laboratory Attendant	Gr. D	
5	Mr. Binimoy Dhar	Laboratory Attendant	Gr. D	
	Mr. Bijoy Das	Laboratory Attendant	Gr. D	
Part time		(Part Time Day)	UI. D	
	Mr. Kalyan Rakshit	Laboratory		
		Attendant(Part Time	Gr. D	
		Morning)		

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

M.Sc & Ph.D. - 2; M.Sc. - 5; M.A & Ph.D. - Nil; M.A & M.Phil- Nil; M.A- Nil.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:(a) National-01, (b) International- Nil

Name of the Major Research Project	Funding Agencies	Amount of the Fund/ Duration	Whether U.C. submitted or not	Name of Co- investigators, Department, Designation, Affiliation	Name of Principal Investigator, Department, Designation, Affiliation
Electrodynamical control over the ionization processes near the northern crest of the equatorial ionization anomaly and beyond.	Department of Science and Technology (DST)	Rs. 5405400/- (2010-2013)	Yes	Dr. Krishnakali Basu (Roy), Associate Professor, Krishnath College, Berhampore- 742101	Dr. Shyamal Kumar Chakraborty, Associate Professor, Raja Peary Mohan College, Hooghly,712258
Longitudinal and latitudinal variability of GNSS scintillations in the equatorial anomaly of the Indian zone.	Science & Engineering Research Board (DST)	Rs- 37,58,600/- (2014-2017)	Running	Dr. Krishnakali Basu (Roy), Associate Professor, Krishnath College, Berhampore- 742101	Dr. Shyamal Kumar Chakraborty, Associate Professor, Raja Peary Mohan College, Hooghly- 712258

- 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:

Faculty members	No. Papo	ers	No. of publicati ons in internati	Mon ogra phs	Chap ter in books	Books with ISSN/IS BN no.	Citation index	S N I P	SJR	Impact factor	H-index (Author)
	Na tio nal	Inte rnat iona l	onal database						r each blication	n	
Dr. Manabesh	-	02	NA	-	-	-	NA				NA
Bhattacharya Dr. Krishnakali Basu (Roy)	02	01	02 (Scopus)	-	-	-	13				02
Dr. Basir Ahamed Khan	-	04	03 (Scopus)	-	-	-	02		Anne	xure-1	01
Samarendra Nath Saha	-	03	NA	-	-	-					
Anirban Roychowdhur y	-	32	29 (Scopus)	-	-	-	76				5
Sourav Majumdar	02	02	Scopus	-	-	-	NA				NA

A detailed list of publication and paper presentations per faculty from date of joining up to 2015 is given in the Annexure 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 inter departmental/programme: 100% of the students have done in-house Environmental Project

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	Research	Conference name	National/Inter	Held at
	award		national	
Anirban	Best	Positron and	International	Goa university,
Roychowdhury	presentation	Positronium		Goa, India
	award	Chemistry (PPC11-		
		2014)		

Student Award:

Name of the student	Award	Year
Subir Mondal	1 st (K.U Final)	2012
Barun Ghosh	1 st (K.U Final)	2013
Riya Dey	2 nd (K.U Final)	2014
Md. Abhishek	1 st (K.U Final)	2015
Lankeswar Dey	2 nd (K.U Final)	2013
	Barun Ghosh Riya Dey Md. Abhishek	Barun Ghosh 1 st (K.U Final) Riya Dey 2 nd (K.U Final) Md. Abhishek 1 st (K.U Final)

- 24. List of eminent academicians and scientists/ visitors to the department:
 1. Prof. Mohanlal Chattopadhyay, Retd. Professor, Saha Institute of Nuclear phyics (SINP), Saltlake, Kolkata, India.
- 25. Seminars/ Conferences/Workshops organized & the source of funding

a) State / Regional	:	Nil
b) National	:	Nil
c) International	:	Nil

Name of the				En	rolled	
Course/progr amme (refer question no. 4)	Session	Applications received	Selected	*M	*F	Pass percentage (year of
B.Sc. in	2009-10	562	40	32	04	96.55 (2012)
Chemistry	2010-11	588	40	30	09	97.14 (2013)
Hons. (for last 4 Acad. Years)	2011-12	473	45	34	08	90 (2014)
	2012-13	632	50	38	09	100 (2015)
	2009-10	112	78	46	10	86.36 (2012)
B.Sc. (GEN) (for last 4 Acad. Years)	2010-11	137	84	50	13	88.88 (2013)
	2011-12	168	95	63	08	85.71 (2014)
	2012-13	145	98	57	11	64.70 (2015)

26. Student profile programme/course wise:

M = Male F = Female

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 (Hons.)	100	Nil	Nil

Year	JAM/IISER/JEST	NET	SET	GATE	Others (M. Sc entrance, BARC, TIFR, JU, BHU, VU, JC Bose, St. Xavier's, JNU, etc)
2011	06	07	-	04	03
2012	-	05	-	02	04
2013	04	01	-	01	02
2014	-	01	-	-	03
2015	06	02	-	05	12

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

* We have only undergraduate course. So, above mentioned data are collected from our passed out students through personal interactions and there is no official record.

Subject	Rank
Physics (H)	6 th , 8 th , 9 th
Physics (H):	1 st
Physics (H):	1 st
Physics (H):	$2^{nd}, 8^{th}$
Physics (H):	1 st , 2 nd , 8 th
	Physics (H) Physics (H): Physics (H): Physics (H): Physics (H):

Student progression	Against % enrolled
UG to PG	100
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
EmployedCampus selectionOther than campus recruitment	
Entrepreneurship/Self-employment	

- 30. Details of Infrastructural facilities
 - a) Library: Having Departmental Library with 350 books.
 - b) Internet facilities for Staff & Students : Yes
 - c) Class rooms with ICT facility: **NIL**
 - d) Laboratories: Advanced Physics Laboratory having different electrical and non-electrical instruments facilities.
- 31. Number of students receiving financial assistance from College,
 - University, Government or other agencies

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a '		T AC L L L	
Session	Name of	Type of Scholarship	Amount of
	Student	(from College for subject topper	Grant (Rs.)
		in the department)	
2011-	Subir Ghosh	Md. Zakaria Fellowship,	Md.
2012		S. N. Sen Memorial,	Zakaria-
		Amulya Guha Memorial,	Rs. 6,500/-
		(for 1st Rank holder in College)	S. N. Sen-
			Rs. 1,000/-
			A. Guha-
			Rs. 3,500/-
2012-	Barun Ghosh	Md. Zakaria Fellowship,	Md.
2013		S. N. Sen Memorial,	Zakaria-
		Amulya Guha Memorial,	Rs. 6,500/-
		(for 1st Rank holder in College)	S. N. Sen-
			Rs. 1,000/-
			A. Guha-
			Rs. 3,500/-
2013-	Riya Dey	Md. Zakaria Fellowship,	Md.
2014		S. N. Sen Memorial,	Zakaria-
		Amulya Guha Memorial,	Rs. 6,500/-

		(for 1st Rank holder in College)	S. N. Sen-
			Rs. 1,000/-
			A. Guha-
			Rs. 3,500
2014-	Md.	Md. Zakaria Fellowship,	Md.
2015	Abhishek	S. N. Sen Memorial,	Zakaria-
		Amulya Guha Memorial,	Rs. 6,500/-
		(for 1st Rank holder in College)	S. N. Sen-
			Rs. 1,000/-
			A. Guha-
			Rs. 3,500/-
2015	Amit Mal	***	Rs.
			30,000/-

*** Financially assisted by the teachers of the department for higher studies.

SC, ST, Minority and OBC students of this Department received financial assistance from the State Government.

32. Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts: Yes

Торіс	In Collaboration with	Resource Person	Date
Forces of Nature	Alumni Association	Mohanlal	19.03.2015
		Chattopadhyay from	
		SINP	
Nuclear physics,	-	Dr. Anagha	17.12.2014
Shell Model		Chakrabarty, Dept.	
		of Physics, Visva	
		Bharati, West	
		Bengal	

- 33. Teaching methods adopted to improve student learning:
 - Special Remedial and tutorial classes are arranged after completion of the syllabus as far as practicable.
 - Constant evaluation through Class Tests and special coaching for JAM, GATE and M.Sc entrance examination.
 - The teachers assess the academic progress of the students through one to one interactions.
 - Special computer training classes to give basic computer programmes and languages, BASIC, FORTRAN etc
 - Meeting of faculty members are held at regular intervals for discussion of progression of syllabus and attendance and class response of the students.

- Parent-Teacher meetings and consultations are held for all-round development of the students.
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities: A number of students are associated with the social activities through NSS and through different clubs

35. SWOC analysis of the department and future plans

Strength:

- Glory comes from the renowned personalities (Tosiqul Wara, Scientist in ISRO, Piyush Mandal, Scientist in BARC, Subhrannshu Kumar Sen, Scientist in ISRO and many Professors) who served for this college for a long time.
- Huge batches of meritorious and creative students passed out and established in various departments and fields.
- Many brilliant students came from different remote villages as well as very poor backgrounds and at the same time they cracked various national level competitive examinations especially in academic and research fields.
- Many famous personalities, their works and memories are still attached to our department.
- Special prizes allotted for the students from the department for support and encouragements.
- Several research papers and books have been published by our professors, giving their enormous efforts.
- Many sanctioned research projects are finished as well as ongoing and also project student involves with this active research.
- Financial support for poor students as well as book fund and large book facility in our departmental library are available.
- Many renowned professors served here for long time and also some of them still serving.

Opportunity:

- Many active students involve with different social works like blood donation, spreading education among poor students, distribution of basic needs by attaching with NSS as well as personally
- > Here for all the students internet facilities are available.
- All types of books related to academic and research are avail in our departmental library.
- Active research facility is available.
- > Sophisticated science laboratory with huge instrumental facility.
- Senior professors give their valuable suggestions in student's carrier counselling program after competition of their graduate degree.

Weakness:

- Recently increase in number of students is responsible for the allotments of practical classes, student's accommodation in class room and computer accessibility.
- Large student-teacher ratio.
- > Need more computer as well as internet facility for the students.
- > Shortage of funding for further upgradation of science laboratory.

Challenges:

- We have to provoke students to involve more and more in social works for raise their moral education which is most important recently.
- Grow up research mentality among all students by involving them in many research workshop, exhibition, seminar and Govt. projects.
- Enlarge our computer laboratory with internet facility, modification our science laboratory.
- To give more and more education among all students by taking remedial classes for the different competitive examinations, English language and social knowledge.

Future Plan:

- > To bring research project collaborating with different organizations.
- > Upgradation of physics lab with modern instruments and new methods.
- > Organizing science exhibition to grow the interest in creative science.
- > Organizing seminars & workshops to motivate the students in research activity.
- > To set up uninterrupted power supply (UPS) for practical classes.
- > To enhance the visual perceptions in audio-visual classes.
- > Digitalize the departmental library and enhance book store.
- > Making a fund (collecting from faculties) to support poor students.



1st Year Students are performing practical class in laboratory



3rd Year Students are performing electronics practical class in laboratory

<u># Annexure 1 to Dept. of Physics</u> (All data are of 2014 database)

Dr. Manabesh Bhattacharya

a) Publications in Journal

Title of publication	Journal name	Year of	ISSN/ISB	SNIP	SJR	Impact
	with volume,	publicati	N no			Factor
	page no	on				
1. On the temperature	Indian J. Phys.	2010	0974-9845	0.010	0.071	1.337
dependent frequency	84, 529-537.					
factor in						
thermoluminescence.						
2. On the reappraisal	Indian J. Phys.	2012	ISSN:0039-	0.010	0.071	0.929
of the peak shape	86, 113-116.		7911			
method for general						
order						
thermoluminescence.						

Name of the	International/	Organised by	Year	Title of the Paper
Symposium/	National/			
Seminar	Regional			
1. UGC		Dept. of	29-30 th	Attended
sponsored state	State level	Zoology,	March,	
level seminar on		Berhampore	2012	
Advancement of		Girls' College		
Biological				
Science toward				
sustainable				
Development				
2. State level		Domkal College,	22-23 rd	On exactly solvable
two days	State level	India	November'	non-shape invariant
seminar on			2013.	potential in Non
Recent trends in				relativistic Quantum
Physics				Mechanics

Dr. Krishnakali Basu (Roy)

a) Publications in Journal:

Title of publication	Journal name with	Year	ISSN/ISB	SNIP	SJR	Impact
	volume, page no	of	N no			Factor
		public				
		ation				
Characteristics of	Ann. Geophys., 32,	(2014)	2037-416X	0.855	0.996	1.709
equatorial ionization	91-97					
anomaly (EIA) in						
relation to						
transionospheric						
satellite links around						
the northern crest in						
the Indian longitude						
sector.						
A study on the	National Space	(2012)	978-93-	NA	NA	NA
variability of	Science Symposium		81899-01-4			
equatorial	proceedings, pp164					
scintillation around						
the anomaly crest of						
the Indian zone.						
(page-164)						
Summer time	National Space	(2012)	978-93-	NA	NA	NA
amplitude	Science Symposium		81899-01-4			
scintillation around	proceedings, pp 165					
the equatorial						
anomaly crest. (page-						
165)						

Name of the Symposium/ Seminar	International/ National/ Regional	Organised by	Year	Title of the Paper
One day State		Sripat Singh	3 rd	Attended
Level seminar	State level	College, Jiaganj	February'	
on			2012	
Optoelectronics				
Two day UGC		'Dept. of	23 rd and	Attended
sponsored State	State level	Philosophy	24 th	

level Seminar	and Political	August'	
	Sc.,K.N.College	2013.	

Dr. Basir Ahamed Khan

a) Publications in Journal:

Title of publication	Journal name with volume,	Year of publicati	ISSN/I SBN	SNIP	SJR	Impact Factor
	page no	on	no			
Multisurface Multimode	J. Physical	2014	1520-	NA	NA	2.693
Molecular Dynamical	Chem. A, 118,		5215			
Simulation of Naphthalene	11451-11470					
and Anthracene Radical						
Cations by Using Nearly						
Linear Scalable Time-						
Dependent Discrete						
Variable Representation						
Method.						
Photodissociation dynamics	Mol. Physics	2014	1362-	NA	NA	1.720
of triatomic molecule in	112, 1094-1101.		3028			
presence of pulsed and						
bichromatic laser field.						
Nearly Linear Scalability of	J. Theoretical	2013	1793-	NA	NA	0.638
Time Dependent Discrete	and Comp.		6888			
Variable Representation	Chemistry, 12,					
(TDDVR) Method For The	1350042(1)-					
Dynamics of Multi-Surface	(27).					
Multi-Mode Hamiltonian.						
The Fourier Grid	I. J. Quantum	2011	1097-	NA	NA	1.166
Hamiltonian Method for	Chemistry, 111,		461X			
Calculating Vibrational	2268-2274.					
Energy Levels of Triatomic.						
Molecules.						

Name of the Symposium/ Seminar	International/ National/ Regional	Organised by	Year	Title of the Paper
One day state level		Sripat Singh	3 rd	Attended
seminar on	State Level	College, Jiaganj	February,	
Optoelectronics			2012	

Two Day UGC		K. N. College,	23-24 th	Attended
Sponsored State Level	State level	Berhampore	August,	
Seminar			2013	
Two day UGC		K. N. College,	7-8 th	Attended
Sponsored National	National	Berhampore	September,	
Level Seminar	level		2013	
State level two days		Domkal College,	22-23 rd	Time
seminar on Recent	State level	India,	November'	Dependence Discrete Variable
trends in			2013.	Representation (TDDVR)
Physics				method for the dynamics of
				multi-surface multi-mode
				Hamiltonian"
3 rd International		Department of	29-31 st	Time dependent discrete
Conference on	International	Mathematics,	January,	variable representation:
Frontiers of	level	Burdwan	2014	Application to the dynamics of
Mathematics and		University		Multi-surface multimode
applications				Hamiltonian
National Seminar		Department of	9 th March'	Nearly
on Recent Advances	National level	Chemistry, Visva	2014	linear scalability of Time
in Chemistry(NSRAC)		– Bharati,		Dependent Discrete Variable
				Representation (TDDVR)
				method
				for the dynamics on
				naphthalene and anthracene
				radical cations",
· · ·			10 1 th	
International		Indian	12-14 th	Multi-
symposium on	International	Association for	December'	surface multi-mode molecular
advances in	level	the Cultivation of	2014	dynamical simulation of
Spectroscopy and		Science,		naphthalene and anthracene
Ultrafast Dynamics		Jadavpur,		radi-
(ASUD		Kolkata – 700		cal cations by using Time
2014)		032,		Dependent Discrete Variable
		India,		Representation (TDDVR)
			10.01/1	method
Theoretical Chemistry	T	NCL, Pune &	18-21th	Appli-
Symposium 2014	International	IISER, Pune,	December'	cation of TDDVR
	level		2014.	methodology on a multi-
				surface multi-mode
				Hamiltonian of Napthalene
				radical cations"

An International		Indian	17 - 20	Appli-
Conference on	International	Association for	February'	cation of TDDVR
Electronic Structure	level	the Cultivation of	2013	methodology on a multi-
and Dynamics of		Science,		surface multi-mode
Molecules and		Jadavpur,		Hamiltonian of CF ₃ CN ⁺ "
Clusters (ESDMC)		Kolkata		
		-700 032, India,		
National Symposium		Integrated	March'	Calculation of vibrational
on Atomic and	National level	Science	2010	energy levels of
Molecular		Education		triatomic molecules using
Spectroscopy		Research Centre		FGH method and Lanczos
(NSAMS),		(ISERC), Visva-		matrix tri- diagonalization
		Bharati,		method".

Samarendra Nath Saha

a) Publications in Journal :

Title of publication	Journal name with volume, page no	Year of public	ISSN/ISB N no	SNIP	SJR	Impact Factor
		ation				
Critical behavior and magnetocaloric effect in $Co_{50-x}Ni_xCr_{25}Al_{25}$ (x = 0 and 5) full Heusler alloy system.	Journal of Alloys and Compounds, 644, 930-938.	2015	0925-8388	1.642	1.091	2.999
Room temperature giant positive junction magneto-resistance of NiFe ₂ O ₄ /n-Si hetero junction for spintronics application.	Physica B, 448, 184-187.	2014	0921-4526	0.918	0.527	1.319
Structural and magnetization behavior of highly spin polarized Co 2 CrAl full Heusler Alloy,	AIP Proceedings, 1591, 1395- 1396.	2015	1551-7616	0.010	0.077	NA

b) Paper presentations in	Workshop and	d Seminar/Conference:	
b) i uper presentations in	workshop and		

Name of the	International/	Organised by	Year	Title of the Paper
Symposium/	National/			
Seminar	Regional			
6 th India-		IIT Kharagpur,	$25^{th}-27^{th}$	Structural and
Singapure Joint	International	Kharagpur,	February,	Magnetization Behavior
Physics	level	India	2013	of Highly Spin Polarized
Symposium on				Co ₂ CrAl Full Heusler
Physics of				Alloy
Advanced				
Material (ISJPS				
2013)				
Theme Meeting		IIT Kharagpur,	25 th -26 th	
on Ultrafast	National level	Kharagpur,	October,	Attended
Science (UFS-		India	2013	
2013)				
International		IIT Guwahati,	5^{th} - 7^{th}	Room temperature giant
Conference on	International	Guwahati, India	December,	positive junction
Magnetic	level		2013	magnetoresistance of
Materials and				NiFe ₂ O ₄ /n-Si
Applications				heterojunction for
(MagMA-2013)				spintronics application
58 th DAE Solid		Thapar	$17^{\text{th}} - 21^{\text{th}}$	Structural and
State Physics	National	University,	December,	Magnetization Behavior
Symposium	level	Patiala, Punjab,	2013	of Highly Spin Polarized
(DAESSPS-		India		Co ₂ CrAl Full Heusler
2013)				Alloy
Emerging		CGCRI,	December	Critical BehaviorNear
Materials:	International	Kolkata, INDIA	4-6, 2014,	Magnetic Phase
Characterization	level			Transition in Co ₂ CrAl
& Application				Full Heusler Alloy
EMCA-2014				

Anirban Roychowdhury

a) Publications in Journal:

Title of publication	Journal name with volume, page no	Year of public ation	ISSN/ISB N no	SNIP	SJR	Impact Factor
Synthesis and characterization of multifunctional Fe ₃ O ₄ -ZnO nanocomposite.	AIP Proceedings, 1447, 283-284	2012	(1551- 7616)	NA	NA	NA
Evidence of exchange bias in Fe/Co ₃ O ₄ nanocomposites.	AIP Proceedings, 1447, 1135-1136	2012	(1551- 7616)	NA	NA	NA
Magnetically addressable fluorescent Fe ₃ O ₄ /ZnO nanocomposites: Structural, optical and magnetization studies.	Journal of Physics and Chemistry of Solids, 74, 811–818	2013	(0022- 3697)	1.010	1.632	1.853
Magnetic-fluorescent nanocomposite: A case study on Fe ₃ O ₄ /ZnS.	AIP Proceedings, 1512, 246-247	2013	(1551- 7616)	NA	NA	NA
Signature of exchange bias and spin-glass like phenomena in Fe/CoO nanocomposite.	J. Appl. Physics, J. Appl. Phys. 113, 17D708	2013	(1089- 7550)	NA	NA	2.183
Morphology control of nickel oxalate by soft chemistry and conversion to nickel oxide for application in photocatalysis.	RSC Advances, 3, 6106-6116	2013	(2046- 2069)	NA	NA	3.840
Milling duration induced structural and magnetic properties	AIP Proceedings, 1447, 1135-1136	2013	(1551- 7616)	NA	NA	NA

of Fe/MnO						
nanocomposites.						
Effects of magnetite	Powder	2014	(0032-	1.593	0.846	2.349
nanoparticles on	Technology, 254,		5910)			
optical properties of	583-590		,			
zinc sulfide in						
fluorescent-magnetic						
Fe ₃ O ₄ //ZnS						
nanocomposites.						
Structural and	Powder	2014	(0032-	1.593	0.846	2.349
magnetic	Technology,		5910)			
characterizations of	254,538-547					
undoped and K-doped						
NdMnO ₃ single						
crystals synthesized						
by sol–gel route: A						
comparative study.						
Overcoming inherent	Appl. Phys.	2014	(1077-	NA	NA	3.302
magnetic instability,	Letter, 105,		3118)			
preventing spin	063110.					
canting and magnetic	000110.					
coding in an						
assembly of						
ferrimagnetic						
nanoparticles.						
Structural, Optical,	Mater Research	2014	(0025-	1.035	0.740	2.288
Hyperfine and	Bulletin, 60, 566-		5408)			
Magnetization studies	571					
of ZnO encapsulated						
α-Fe Nanoparticles.						
Structural, magnetic	AIP Proceedings,	2014	(1551-	NA	NA	NA
and Mössbauer	1591, 399-401		7616)			
studies of						
(BiFeO ₃) _{0.7} -						
$(SrFe_{12}O_{19})_{0.3}$						
nanocomposite						
prepared by a sol-gel						
route.						
Positron annihilation	Int. J. Eng. Sci. and	2014	(2319-	NA	NA	NA
measurements in as-	Inn. Tech. (IJESIT),		5967)			
grown and alpha	3(4), 774-782					
irradiated undoped						
Indium Phosphide.						

Defect study of Alpha	J. Inn. Res. Sci.,	2014	(2319 -	NA	NA	NA
irradiated undoped	Eng. Tech.	2011	8753)			1111
InSb using Positron	(IJIRSET), 3, 135-		0155)			
Annihilation	139					
Spectroscopy.	157					
Positron annihilation	Int. J. Modern Phys.	2014	(1793-	NA	NA	0.455
measurements in high	B, 28, 1450210	2014	6578)			0.433
energy alpha	D, 28, 1430210		0378)			
U 1						
irradiated undoped indium antimonide.						
		2014	(0010	NT A	NT A	NT A
$\{[Mn_2(L-$	J. Indian Chem	2014	(0019	NA	NA	NA
tartrate) ₂ (H ₂ O)].3H ₂ O	Soc., 90, 1043-		4522)			
n - A chiral MOF :	1052.					
Adsorption and guest						
dependent						
magnetism.						
Structural, magnetic	Physica Scripta, 90,	2014	(0169-	NA	NA	1.126
and hyperfine	025802		4332)			
properties of single-						
phase SrFe ₁₂ O ₁₉						
nanoparticles						
prepared by a sol-gel						
route.						
Modified properties	AIP Proceedings,	2014	(1551-	NA	NA	NA
of Fe ₃ O ₄	1591, 396-398		7616)			
nanoparticles on						
incorporation of						
optically active ZnSe.						
Tunable properties of	Mater. Chem.	2015	(0254-	1.279	1.818	2.259
magneto-optical	Physics, 151, 105-		0584)			
Fe ₃ O ₄ /CdS	111					
nanocomposites on						
size variation of the						
magnetic component.						
NiFe ₂ O ₄ nanorod:	Materials Research	2015	(0921-	NA	NA	NA
porosity effect on	Express, 2 (4),		5107)			
spin canting,	046102					
quadrupole splitting						
and hyperfine						
magnetic properties.						
Positron annihilation	Applied Physics	2015	(1432-	NA	NA	1.704
measurements in	A, 120, 220-227		0630)			
high-energy alpha-	,,,,					

irradiated n-type						
Gallium Arsenide.						
Magnetic Property,	Materials Science	2015	(0921-	1.323	0.762	2.169
Mössbauer	and Eng. B, 196,		5107)			
Spectroscopy and	44-52		,			
Microwave						
absorption of						
maghemite						
nanoparticles (γ-						
Fe_2O_3), encapsulated						
in Carbon nanotubes.						
Effect of Biomimetic	RSC Advances, 5,	2015	(2046-	NA	NA	3.840
Templates on the	13777-13785		2069)			
Magneto-Structural						
Properties of Fe ₃ O ₄						
Nanoparticles.						
Facile green synthesis	Advanced	2015	(0921-	1.653	0.740	2.638
of iron oxide	Powder Tech., 26,		8831)			
nanoparticles via	1-7		,			
solid-state	1-/					
thermolysis of a						
chiral, 3D anhydrous						
potassium						
tris(oxalato)ferrate(III						
) precursor.						
The influence of	Applied Surface	2015	(0169-	1.442	0.913	2.711
cross linking and	Science, 328, 482-		4332)			
clustering upon the	490					
nanohole free volume						
of the SHI and γ -						
radiation induced						
polymeric material.						
Investigation of	RSC Advances, 5,	2015	(2046-	NA	NA	3.840
charge transport	36560-36567		2069)			
properties in less			,			
defective						
nanostructured ZnO						
based Schottky diode.						
Effects of disorder on	AIP Conf.	2015	(1551-	NA	NA	NA
properties of non-	Proceedings, 1665,		7616)			
conventionally	050189					
prepared barium						
titanate.						

Adiabatia palaran	Journal of Allows	2015	(0925-	1.642	1.091	2.999
Adiabatic polaron	Journal of Alloys	2013		1.042	1.091	2.999
hopping conduction	and Compounds,		8388)			
and Griffiths phase in	650, 328-335					
electron doped						
Ca _{0.85} Dy _{0.15} MnO ₃ .			(1-70.7			<u> </u>
PALS and DSC	International	2015	(1793-	NA	NA	0.455
measurements in	Journal of Modern		6578)			
8MeV electron	Physics B 29, 29 ,					
irradiated natural	1550196.					
rubber filled with						
different fillers.						
Synthesis of α-Fe ₂ O ₃ -	Materials Research	2016	(0025-	1.035	0.740	2.288
functionalised	Bulletin,74, 109–		5408)			
graphene oxide	116					
nanocomposite by a						
facile low						
temperature method						
and study of its						
magnetic and						
hyperfine properties						
Article II. Synthe	Journal of Alloys	2016	(0925-	1.642	1.091	2.999
sis, X-ray Rietveld	and		8388)			
analysis, infrared and	Compounds,656,		,			
Mössbauer	226–236					
spectroscopy of						
$R_2 FeSbO_7 (R^{3+} = Y,$						
Dy, Gd, Bi)						
pyrochlore solid						
solution						
Section 2.01 N	RSC Adv., 5.	2015	(2046-	NA	NA	3.840
ulti-functional	89488-89497	-	2069)			-
biomimetic			,			
graphene						
induced						
transformatio						
$n of Fe_3O_4$ to						
ε -Fe ₂ O ₃ at						
room						
temperature						
iemperature		ļ	L	l	<u> </u>	

Name of the	International/	Organised by	Year	Title of the Paper
Symposium/	National/			•
Seminar	Regional			
Magnetic		S. N. Bose,	24 th -25 th	
Materials and	International	Kolkata, West	January,	
Applications	level	Bengal, India	2011	
(MagMA 2011)				
Magnetic Phase		JU, Kolkata,	3 rd -9 th	
Transitions and	National level	West Bengal,	August,	
Transformations		India	2011	
(MPTT)				
International		Burdwan	7 th -9 th	Structural, hyperfine,
Conference on	International	University,	December,	magnetic and optical
Laser, Material	level	West Bengal,	2011	studies on
Science and		India		sonochemically
Communications				prepared Fe ₃ O ₄ -ZnO
(ICLMSC-2011)				nanocomposites
56 th DAE Solid		SRM	$19^{\text{th}} - 23^{\text{rd}}$	Synthesis and
State Physics	National	University,	Dec'2011	characterization of
Symposium	Level	Chennai		multifunctional Fe ₃ O ₄ -
(DAESSPS-				ZnO nanocomposite
2011) / National				
57 th DAE Solid		IIT Bombay,	3^{rd} - 7^{th}	Magnetic-fluorescent
State Physics	National level	Mumbai	Dec'2012	nanocomposite: A case
Symposium				study on Fe ₃ O ₄ /ZnS
(DAESSPS-				
2012)				
International		Indian Institute	5^{th} - 7^{th}	Synthesis and
Conference on	International	of Technology	December,	characterization of
Magnetic	level	Guwahati	2013	Fe ₃ O ₄ /CdS
Materials and		(IITG),		nanocomposites
Applications		Guwahati, India		
(MagMA-2013)			th th	
58 th DAE Solid	National level	Thapar	$17^{\text{th}} - 21^{\text{th}}$	Modified properties of
State Physics		University,	December,	Fe ₃ O ₄ nanoparticles on
Symposium		Patiala, Punjab,	2013	incorporation of
(DAESSPS-		India		optically active ZnSe
2013)		_	thth	
Condensed		Department of	$27^{\text{th}} - 29^{\text{th}}$,	Synthesis and
Matter Days-	National	Physics and	2014	characterization of
2014	level	CRNN,		multifunctional

(CMDAYS-		University of		superparamagnetic
2014)		Calcutta, West		Fe ₃ O ₄ /CdS
		Bengal		nanocomposites
11 th		BARC	9 th -14 th	Defects study on
International	International	Mumbai, held	November,	magnetic fluorescent
conference	level	at Goa, India,	2014.	Fe ₃ O ₄ /ZnSe
on Positron				nanocomposites by
and				positron annihilation
Positronium				spectroscopy
Chemistry				
(PPC11-				
2014)				
International		IIEST, Shibpur,	17 th -19 th	Tunable properties of
Conference	International	West Bengal,	December,	magneto-optical
on	level	India	2014	Fe ₃ O ₄ /CdS
Advances				nanocomposites on size
Materials				variation of the
and Energy				magnetic component
Technology				
(ICAMET-				
2014)				

<u>Sourav Majumdar</u>

a) Publications in Journal:

Title of publication	Journal name with	Year	ISSN/ISB	SNIP	SJR	Impact
	volume, page no	of	N no			Factor
		public				
		ation				
"Evolution of	Journal of	2012	2169-9402	NA	NA	3.44
equatorial	Geographical					
irregularities under	Research, Vol. 117,					
varying						
electrodynamical						
conditions: A						
multitechnique case						

study from Indain						
longitude zone".						
(A08331)						
"Summer time	Journal of	2012	1364-6826	NA	NA	1.474
scintillators near the	Atmospheric and					
transition zone of the	Solar-Terrestrial					
Indian longitude	Physics, Vol. 95,					
sector". (page-102)						
A study on the	National Space	2012	978-93-	NA	NA	NA
variability of	Science Symposium		81899-01-4			
equatorial	proceedings, 164					
scintillation around						
the anomaly crest of						
the Indian zone.						
(page-164)						
Summer time	National Space	2012	978-93-	NA	NA	NA
amplitude	Science Symposium		81899-01-4			
scintillation around	proceedings, 165					
the equatorial						
anomaly crest. (page-						
165)						

Name of the Symposium/ Seminar	International/ National/ Regional	Organised by	Year	Title of the Paper
National Space Science Symposium proceedings	National level	Tirupati, Andhra Pradesh	Feb, 2012	A study on the variability of equatorial scintillation around the anomaly crest of the Indian zone. (page- 164)
National Space Science Symposium proceedings	National level	Tirupati, Andhra Pradesh	Feb, 2012	Summer time amplitude scintillation around the equatorial anomaly crest. (page-165)

Evaluative Report of the Department of Physiology

1.	Name of the Department-	PHYSIOLOGY
2.	Year of Establishment	B.Sc (Gen.): 1962, B.Sc (Hons.): 1991, PG : 2002
	Names of Programmes / Courses offered A. PG, M.Phil., Ph.D., Integrated asters; Integrated Ph.D., etc.)	UG., PG
4. depa	Names of Interdisciplinary courses and the rtments/units involved	NIL
5.	Annual/ semester/choice based credit system gramme wise)	Annual (UG) Semester (PG)
6.	Participation of the department in the course red by other departments	s Nil
7. indu	Courses in collaboration with other univers stries, foreign institutions, etc.	ities, Nil
8. (if an	Details of courses/programmes discontinued ny) with reasons	NIL

9. Number of Teaching posts- 5 (FIVE)

	Sanctioned	Filled
Professors	NIL	
Associate Professors		4 (BY PROMOTION)
Asst. Professors	5	

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualificati on	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
*Dr. R.	M.Sc.	ASSOCIATE	BIO-	27 YEARS	NIL
GANGULY	PhD.	PROFESSOR	CHEMISTRY		
Dr.K.	M.Sc.	ASSOCIATE	BIO-PHYSICS	24YRS	NIL
SAMANTA	PhD.	PROFESSOR			
Dr.K.	M.Sc.	ASSOCIATE	BIO-PHYSICS	19YRS	NIL
NANDI	PhD.	PROFESSOR			
Dr.S.K.DAS	M.Sc.	ASSOCIATE	ENDOCRINOL	16YRS	ONE(PhD)
	PhD.	PROFESSOR	OGY		STUDENT
Dr.M.	M.Sc.	GOVT.	MICROBIOLO	15YRS	
BHATTAC	PhD.	APPROVED	GY		
HARYA		РТТ			

* Dr. R.Ganguly retired on 31st august 2014

Name	Qualificati on	Designation	Specialization	Years of Experience	NAME OF THE INSTITUTION
Dr.R.	M.Sc.	ASSOCIATE	BIO-	27 YEARS	K.N.COLLEGE
GANGULY	PhD.	PROFESSOR	CHEMISTRY		BERHAMPORE
		(RETD)			MSD
Dr.B.B	M.Sc.	ASSOCIATE	BIO-	32YRS	GIRLS'COLLEGE,
DALAL	PhD.	PROFESSOR	CHEMISTRY		BERHAMPORE
		(RETD.)			MSD
Dr.M.	M.Sc.	VICE	ENDOCRINOL	40YRS	SURENDRANATH
GHOSAL	PhD.	PRINCIPAL(R	OGY		COLLEGE
		ETD)			KOLKTA
Dr.B.SAHA	M.Sc.	PART-TIME	MICROBIOLO	10YRS	RAMMOHAN
	PhD.	PROFESSOR	GY		COLLEGE
					KOLKATA
Dr.C.ROY	M.Sc.	PART-TIME	ENDOCRINOL	5YRS	GIRLS'COLLEGE,
	PhD.	PROFESSOR	OGY		BERHAMPORE
					MSD

11. List of senior visiting faculty (for PG):

- 12. Percentage of lectures delivered and practical classes handled (PG): Theory : 30 %, Practical : 5 %
- 13. Student -Teacher Ratio (programme wise): HONS- 11:1; GENERAL- 25:1; PG- 5:1
- 14. Number of academic support staff (technical)- Sanctioned-3 and filled-1 (Mr. Nitai Kuri)
- 15. Qualifications of teaching faculty with M.Sc & Ph.D: 05 DSc/ D.Litt/ Ph.D/ MPhil / PG.
- 16. Number of faculty with ongoing projects from
- a) National, b) International funding agencies and grants received

UGC Minor project received by Dr. Shyamal Kanti Das Received one UGC minor research project entitled,' Effects of some herbal products on rat hemi diaphragm as an alternative to salbutamol" on 2013.Rs. 1.97lakhs

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.	a) Publica	ation per	faculty
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Faculty members	No. of paper	s	No. of public -ations in intern -tional data	Mo nog rap hs	Chapt er in books	Book s edite d	Books with ISSN/ISBN no.	Ci tat io n In de x	SS NJ IR P	Im pac t Fac tor	H- inde x (Aut hor)
	Nati onal	Inter natio nal	base						For each publi ation		
Dr. Kshinanshu Samanta		2	2								
Dr. Shyamal Kanti Das	3	9	12			3	978-3-6592 978-3-8473- 3545-0 978-3-6549- 43972-8				
Dr. Krishna Nandi		5	5						Anne ure		

A detailed list of publication and paper presentations per faculty from date of joining up to 2015 is given in the Annexure 1

- 20. Areas of consultancy and income generated: Nil
- 21. Faculty as members in
- a) National committees b) International Committees c) Editorial Boards

Name of the faculty	Members of a) National committees b) International Committees c) Editorial Boards d) any others
Dr. Kshinanshu Samanta	Life member of Physiological Society of India.
Dr. Krishna Nandi	 Life member of Physiological Society of India. Life member of Indian Science Congress Association. Life member of Society for Animal Physiology in India.

Dr. Shyamal Kanti Das1. Life member of Physiological Society of India.2. Member of Editorial Board of International Journal of Research on Social and Natural Sciences

- 22. Student projects
 - a) Percentage of students who have done in-house projects including inter departmental/programme: **100% students done Envs. Project.**
 - 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

Student Award:

Sl. No.	Name of the student	Award	Year
1.	Md. Mustakim Sk.	1 st (K.U Final)	2013
2.	Manas Pratim Chakraborty	2 nd (K.U Final)	2014

Faculty Award: Nil

- 24. List of eminent academicians and scientists / visitors to the department
 - Professor. Sudip Bajpayee, Asst Professor Univ. of Texas on, 20/08/2014
 Prof. Dr. P Roy, Retd Prof. in Burdwan University, on 18/01/2014
 - 25. Seminars/ Conferences/Workshops organized & the source of funding a) State / Regional, b) National, c) International : Nil

26. Student profile programme/course wise:

Name of the	Session	Applications		Enro	olled	
Course/programme		received	Selected	*M	*F	Pass percentage (yr. of
						passing)
B.SC. (HONS) (for last 4 Acad. Years)	2009-2010	167	25	15	04	70 (2012)
	2010-2011	191	30	17	11	77.77 (2013)
	2011-2012	263	35	28	04	90 (2014)
	2012-2013	294	35	25	09	86.66 (2015)
B.SC. (Gen) (for last 4 Acad. Years)	2009-2010	189	60	12	00	100% (2012)
	2010-2011	201	70	26	02	80% (2013)
	2011-2012	209	70	10	03	61.54% (2014)
	2012-2013	228	80	31	05	87.50% (2015)
M.Sc	2010-2011	09	09	05	04	100
(for last 4 Acad. Years)	2011-2012	16	16	08	08	100
	2012-2013	08	08	04	04	100
	2013-2014	08	08	04	04	100

 $M = Male \quad F = Female$

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 (Hons)	100 %	Nil	Nil
M.Sc	100%	Nil	Nil

- 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Mr. Kausik Sarkar and Smritikana Biswas Asst. Professor (psc-2015), One student passed in SET 2015.
- 29. Student progression *

Student progression	Against % enrolled
UG to PG	60%
PG to M.Phil.	
PG to Ph.D.	8%
Ph.D. to Post-Doctoral	0.2%
Employed	
 Campus selection 	
• Other than campus recruitment	
Entrepreneurship/Self-employment	

- * We have no record keeping machinery. All data are collected from student and are approximate data.
- 30. Details of Infrastructural facilities

a) Library: Central as well as Departmental Library facilities are available

- b) Internet facilities for Staff & Students : Internet facilities are available
- c) Class rooms with ICT facility: No, but LCD projector is available
- d) Laboratories facilities are available
- 31. Number of students receiving financial assistance from college, university, Government or other agencies:

Session	Name of Student	Type of Scholarship	Amount of
		(from College for subject	Grant (Rs.)
		topper in the department)	
2013-	Manas Pratim	S.K. Basu Memorial	1000
14	Chakraborty	Prize	
2014-	Debjit Bhattacharya	S.K. Basu Memorial	1000
15		Prize	

A good number of students receive Kanyasree & Jindal scholarships.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Professor. Sudip Bajpayee, Asst Professor Univ. of Texas on" Obesity and exercise physiology" (20/08/2014) Dr. P. Roy (Retd Prof. in Burdwan University) on "Bacteria in arctic region" (18/01/2014)

- 33. Teaching methods adopted to improve student learning; Audio -visual
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Study of Health Status of Rice mill worker, Sargachhi, Murshidabad **Bidi Worker Of Aurangabad** Bagdamin Catcher of Sandesh khali, Sundarban, 24 pgs(s) Nurses of Berhampore, Hospital Tea worker of Malbazar ,Jalpaiguri **Traffic police of Berhampore** Goldsmith of Khagra ,Berhampore **Blacksmith of Berhampore Carpenter of Gorabazar, Berhampore** Imparting training on generating people awareness about biotechnology at grass root level. By Dr. K. Samanta on 20/07/2012 on request of Govt. of west Bengal office of the D. M. Murshidabad. Dr. K. Samanta acted as judge on Murshidabad chhatra juba vigyan mela 2015 under W.B. Govt. youth affairs. Radio talk by DR. K. Nandi on "Nutrition in pregnant woman". Radio talk by DR. K. Nandi on "Man as a pollutant".

35. **SWOC** analysis of the department and Future plans

Strength:

- 1. Good coordination between teachers, students and staff.
- 2.Good academic environment for regular theoretical and practical classes.
- 3. Very good university results reflect departmental performance.
- 4. Students persuing higher studies like post graduate study in this department.
- **5**. Passing out students are well placed in university, govt. aided and govt.colleges (PSC), different H.S. school and also different private sectors.
- 6. Teachers are engaged in different social activities as well as research works.

7.Pass out students are engaged in different research laboratories(international, university and national level)

Weakness:

- 1. Insufficient teaching and nonteaching faculty.
- 2. Insufficient space for lab and lecture theatre.

Opportunities: Post graduate study is available in the Dept

Challenges:

1. Placement of PG students to different IIT, national universities, national institutes and foreign universities.

2.Latest information on every topic should be provided to the student.

Future plan of the department

- 1. To set up well equipped animal house.
- 2. To introduce modern teaching methodology
- 3. TO set up Central Instrumental Room
- 4. To appoint skilled faculty and well trained laboratory attendant.
- 5. To organize national and international seminar
- 6. To enrich dept. library.
- 7. To enhance the number of research proposal and collorative work.

Annexure I to Dept. of Physiology

Publication of Dr.S.K.DAS

- 1. .Koley, J.N.Sengupta , S.K.Das and B.N.Koley ,Visceral afferents in the caudal sympathetic and caudal mesenteric nerve of the duck . Indian Journal of Physiology and Pharmacology, <u>29</u>(Suppl-1) : 68,1985.
- 2. J.Koley, S.K.Das and B.N.Koley visceral afferents on cardio-Vascular Reflexes in domestic duck. Indian Journal of Physiology and Pharmacology, <u>30</u>(Suppl-1): 53,1986.
- J.Koley , S.K.Das and B.N.Koley, changes of Esophageal Motility during head immersion of domestic duck. Indian Journal of Physiology and Pharmacology, <u>31</u>(Suppl-1): 11,1987.
- 4. J.Koley, S.K.Das and B.N.Koley Role of Vagus on Esophageal motility in duck. Indian Journal of Physiology and Allied sciences, <u>41</u>: 122-128,1987.
- 5. S.K.Das, studies on the mechanism of avoiding convergence of two opposite functions in a single organ of domestic duck. Proceedings of science congress association, 1989.
- 6. J.Koley, S.K.Das and B.N.Koley, Role of opiate receptors in avoiding convergence of two opposite functions in a single organ of domestic duck. Proceedings of international congress of physiological sciences, Helsinki,1989.
- J.Koley, S.K.Das and B.N.Koley, Visceral receptors in avoiding convergence of two opposite functions in a single organ of domestic duck. Indian Journal of Physiology and Allied sciences, <u>43</u>:1989.
- 8. J.Koley, S.K.Das and B.N.Koley, Opiate receptors in avoiding convergence of two opposite functions in a single organ of domestic duck. Indian Journal of Physiology and Allied sciences, <u>44</u> : 26-31,1989.
- 9. J.Koley, S.K.Das and B.N.Koley, Role of Visceral receptors in avoiding convergence of two opposite functions in a single organ of domestic duck. Proceedings of Asian andOcean Physiological Sciences, New Delhi,1990.
- 10. J.Koley, S.K.Das and B.N.Koley, Abdominal Visceral receptors and their afferents in birds, Proc. Indo-U.S.A. workshop on current approaches for receptor studies in Neurobiology held in C.D.R.I. VI. P.15.
- 11. J.Koley, S.K.Das and B.N.Koley, Visceral receptors and their afferents in avoiding convergence of two opposite functions in a single organ of domestic duck.3rd IBRO World Congress of Neuroscience page 186.
- 12. Das, S.K. and Mukherjee, A.K.,(1993)Effect of Norfloxacin on cardiovascular haemotynamics in intact anaesthetized cat .Proc.of 80th science Congress association held in Goa.
- B.N.Koley, J.Koley, J. Sengupta and S.K.Das ,(1994) Abdominal Visceral receptors and their afferents in birds ,recent advances in the study of neurotransmitter receptors C.D.R.I., Lucknow, India <u>17</u>: 121-130
- 14. S.k.Das ,J.Koley and B.N.Koley ,Mechanism of avoiding over lapping functions in the cloaca of female duck. Proceedings of third congress of FIPS, Calcutta,P-43,2000 .

- 15. Shyamal K Das, Antika Biswas, Chandan Roy and R Ganguly, (2008) Role of melatonin on reproductive behaviour of female rat. Indian Journal of Physiology and allied science, <u>62(3)</u>:87-93.
- 16. S.K.Das,Chemical castration by intratesticular injection of calcium chloride proceedings Of International conference on integrative physiology, 2009.

17. Shyamal K Das, (2011) Chemical castration of male albino rats by calcium chloride, Indian Journal of Physiology and allied science, 65(1): 25-30.

18. S K Das and Chandan Roy(2011) The protective role of Benincasa hispida on nimesulide induced hepatotoxicity in albino rat model, International Journal on green pharmacy, <u>5</u>:192-197.

19. S K Das and Chandan Roy(2011) The protective role of Benincasa hispida on diclofenac induced hepatotoxicity in albino rat model, International journal of pharmaceutical research and development 3(11): 171-179.

20. S K Das and Chandan Roy(2012) The protective role of Aegle marmelos on aspirin induced Gastro-duodenal Ulceration in albino rat model : a possible involvement of antioxidants, The Saudi journal of Gastroenterology, 18(3): 188-194.

21. S K Das, S.Bhattacharya and Chandan Roy(2012) Effect of arsenic on male reproductive system in albino rat, State level Seminar on advancement of Biological Science towards sustainable development, held in Berhampore Girls College,Murshidabad.

22.. S K Das, C Roy and R C Das(2012) The protective role of Moringa olifera on Nimesulide induced hepatotoxicity in albino rat model, Asian Journal of natural science and humanities Asian Journal of natural science and humanities ,vol-II(VIII):1-7.

23. S K Das and Chandan Roy(2012) The protective role of high dietary protein on arsenic induced gonadal toxicity, Asian Journal of natural science and humanities <u>vol-III (III)</u>: 1-5.

24 .S. K. Das, S .Bhattacharya and Chandan Roy(2012) Effect of arsenic on male reproductive system in albino rat, Biological Science towards sustainable development vol-1: <u>35-40</u>

25. S.K.Das, Diclofenac induced hepatotoxicity in albino rat.(2012) Journal of Environmental Physiology vol-4(1,2):28-33.

<u>26.</u> Dr. Shyamal Kanti Das (2013) The Protective Role Of High Dietary Protein On Arsenic Induced Hepatotoxicity In Albino Rat Model; A Possible Role Of Antioxidants, *IOSR Journal of pharmacy and Biological Sciences (IOSR-JPBS) Volume 6, Issue 5 , PP 20-25.*

<u>27</u> Chandan Roy and Shyamal Kanti Das (2013) ROLE OF MORINGA OLEIFERA ON BRAIN ELECTRICAL ACTIVITY IN COLCHICINE INDUCED EXPERIMENTAL RAT MODEL OF ALZHEIMER'S DISEASE: POSSIBLE INVOLVEMENT OF ANTIOXIDANTS, INTERNATIONAL JOURNAL OF CURRENT PHARMACEUTICAL RESEARCH VOL-5(4):40-45

28. S.K. Das, S.N. Karmakar and C .Roy (2014) Green tea leaf extract as a herbal castrative agent for morphological and functional changes in adult male gonads of albino rats, international journal of current pharmaceutical research vol-6(3):20-25.

29. Chandan Roy, Debasis Mazumder, Khinanshu Samanta, shyamal Kanti Das, Debabrata Mukhopadhyay (2014) Cholesterol, Serotonin and antisocial personality disorder in association with homicidal behaviour: possible involvements of antioxidant enzymes

30. S.K. Das and S.N. Karmakar (2014) Green tea leaf extract as a potent castrative agent on male albino rat, proceeding of 25th Annual National Conference of the Physiological Society Of India p-76.

31. S.K.Das and S.N. Karmakar(2015) Herbal castration by means of oral administration of Green tea leaf extract(Camellia sinesis L .) on male reproductive system, World Journal Of Pharmaceutical Research vol-4:1162-1167.

Book Published in national and international level.

1.Nimesulide induced hepatotoxicity by Lambert Academic Publishers, Germany.ISBN 978-3-6592.

2. Arsenic toxicity by Lambert Academic Publishers, Germany. ISBN 978-3-8473-3545-0.

3. Glimpses of human reproductive physiology by JoyDurga Library (in press).

4. Morbidity Pattern in Municipal Waste Workers in Katwa by Lambert Academic Publishers, Germany.ISBN 978-3-659-43972-8

Publication of Dr.K.Samanta

1.K. Samanta and B. K. Pal(1985) Zinc Feeding And Fertility of Male Rats, Int.J. Vit. Nutrition.

2.K. Samanta, S. Trivedi, R. Ganguly, S. Ghoshal and T. Dutta(2008), Effect of excess fluoride on spermatogenesis of rats with special reference to metaphase, J. Environ. And sociobiol vol-5 (2) page 171-180.

3.R. Ganguly and K. Samanta (2008), The prevalence of musculoskeletal disorders among prawn seed collectors of sunderbans, J. Human Ergol vol-37 page 1-

4. N. Chatterjeer, K. samanta and C. Roy, (2014) Effect of bitumen fumes on the FE V₁ and FVC of lung function test and prevalence of musculoskeletal disorder among the road construction workers. International Journal of Current pharmaceutical research ,VOl-6(4)page 37-40

5. K.Samanta and C.Roy (2015) Effect of Zinc treatment on excess fluoride treated mice with a special reference to spermatogenic metaphase, World journal of pharmaceutical research ,VOI-4(4)page 491-500

Evaluative Report of the Department of Political Science

1.	Name of the department:	Political Science
2.	Year of Establishment:	GEN: 1960 HONS: 1960
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):	UG (Hons. & General Courses)
4.	Names of Interdisciplinary courses and the departments/units involved:	Nil
5.	Annual/ semester/choice based credit system (programme wise):	Annual
6.	Participation of the department in the courses offered by other departments:	Nil
7.	Courses in collaboration with other universities, industries, foreign institutions, etc.:	Nil
8.	Details of courses/programmes discontinued (if any) with reasons:	Nil

9. Number of Teaching posts

Name of the post	Sanctioned	Filled
Professors	Nil	NA
Associate Professors	04	01*
Asst. Professors		01

*All base posts are Assistant Professor's post, upgraded by CAS

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
MIZANUL	M.A.,M.Phil.	Associate	International	33	Nil
HAQUE	LLB.,Ph.D.	Professor	Law&		
			Organizations		
SUBHAJIT	M.A.,M.Phil.	Assistant	International	7	Nil
GHOSH		Professor	Relations		
ANANYA	M.A.(Double)		South Asia &	14	Nil
CHAKRABORTI		Approved	Public		
		Part-time Lecture	Administration		
CHANDRIMA	M.A.	Govt.	International	13	Nil
SEN		Approved	Law		
		Part-time			
		Lecturer			

^{11.} List of senior visiting faculty : NIL

- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : **NIL**
- 13. Student Teacher Ratio (programme wise) : Hons. 21 : 1, General : 407 : 1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : **NIL**
- 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Teaching Faculty with M.A.& Ph.D.	01 (Full Time)
Teaching Faculty With M.A.& M.Phil.	01 (Full Time)
Teaching Faculty with M.A.	02 (Govt. Approved Part-time)

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:

a) Publication per Faculty

Name of the Faculty	No. of Paupers Nat / Int.	No. of Publications listed n International Databas	Monograph	Chapter in Books	Books Edited	Books with ISSN / ISBN No.	Citation Index	SNIP	SJR	Impact factor	H-Index	Book Chapter without ISSN / ISBN	Book Chapter with ISSN / ISBN
Dr.Mizanul Haque													
Subhajit Ghosh	5			3		1							2
Ananya Chakraborty													
Chandrima Sen													

Annexure-1(For Details Information)

Paper Presented in the Seminar/Conference (after joining in the Krishnath College)

Faculty members	Paper presented			Published Proceedings		
	State/ Regional	National	International	National	International	
Dr. Mizanul Haque						
Subhajit Ghosh	02	02	01	02		
Ananya Chakraborty						
Chandrima Sen						

20. Areas of consultancy and income generated : N.A.

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards

Name of the faculty	Members of a) National committees b) International Committees c) Editorial Boards d) any others
Dr.Mizanul Haque	 Member, Berhampore Consumer Forum. Member, Alumni Association of Krishnath College.
Subhajit Ghosh	 Life member, The Ramakrishna Mission Institute of Culture. Life Member, West Bengal Political Science Association
Ananya Chakraborty	Member, Alumni Association of Berhampore Girls' College
Chandrima Sen	Member, Alumni Association of Berhampore Girls' College

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme: 100% (All first year students have done their Environmental in house Project.)

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:

Sl. No.	Name	Award	Year
1	Mizanul Haque (Faculty)	Ph.D. from K.U.	2013

Student Award:

Sl. No.	Name of the student	Award	Year
1.	Kaberi Das	1 st	2012
2.	Situ Sk.	3 rd (K.U Final)	
3.	Milan Seikh	2 nd	2014

		rd	
4.	Md. Akbar Ali	3 rd	

24. List of eminent academicians and scientists / visitors to the department : (A group of eminent academicians had meet with the faculty members of the department of Political Science in the occasion of UGC sponsored State and National level seminars at Krishnsth College in August and September,2013 respectively)

Sl.No	Name of the Eminent	Designation	Date of visit
	Academician		
1.	Dr.Radharaman Chakraborty	Formerly, Vice-Chancellor,	24.8.2013
		Netaji Open University.	
2.	Dr.Partha SarathiGhosh	Formerly, Professor, School	07.9.2013
		of International Studies, JNU.	
		& Sr. Fellow, Nehru	
		Memorial Museum and	
		Library .New Delhi.	
3.	Dr.Smritikumar Sarkar	Vice-Chancellor, University	07.9.2013
		of Burdwan,W.B.	
4.	Dr.Surendra Jha	Professor of History,Sido	08.9.2013
		Kanho Murmu University,	
		Jharkhand	
5.	Dr.Anindya Jyoti Majumdar	Dr.Anindya Jyoti Majumdar Professor of International	
		Relations, Jadavpur	
		University	
6.	Dr.Shreeradha Dutta Director, Moulana Abul		07.9.2013
		Kalam Azad Institute of	
		Asian Studies, .	
7.	Dr.Isani Naskar	Deptt. Of Political Science,	07.9.2013
		Rabindra Bharati University	

25. Seminars/ Conferences/Workshops organized & the source of funding: UGC a) State / Regional: One b) National: One c) International: NIL

Sl.	Title of the Seminar	UGC Sponsored	Organized by	Held on
no				

1.	Understanding Swami Vivekananda in Contemporary Perspective	State Level	Dept. of Political Science and Dept. of Philosophy.	23 rd &24 th August,2013
2.	Indo-Bangladesh Relations: Issues ,Problems and Recent Developments	National Level	Dept. of Political Science and Department of History	7 th &8 th September,2013







Name of the				En	rolled	
Course/progr amme	Session	Applications received	Selected	*M	*F	Pass percentage (Year)
	2009-10	147	40	24	10	92% (2012)
B.A. in Pol.Sc. Hons.	2010-11	156	45	26	19	77.50% (2013)
(for last 4 Acad. Years)	2011-12	144	45	27	6	78.57% (2014)
	2012-13	178	45	26	10	68.18% (2015)
	2009-10	1486	193	98	86	78 (2012)
B.A. (GEN) (Opted Pol. Sc.)	2010-11	1523	306	166	115	50.63 (2013)
(for last 4 Acad. Years)	2011-12	1546	428	203	139	65.21 (2013)
	2012-13	1584	507	231	278	52.17 (2015)

26. Student profile programme/course wise:

*M=Male, *F=Female

27. Diversity of Students

Name of theCourse: B. A. Political Science Honours	% of students from the same state	% of students from other States	% of students from abroad
2011-12	100	Nil	Nil
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil

28. How many students have cleared nation al and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name	Year of Passing	NET	SET	GATE	Civil Service
Bikash Halder	2012 & 2013	\checkmark	\checkmark		

Ibrahim Sk.	2015	\checkmark	
Abhijit Sanyal	2013		WBCS

29. Student progression*

Student progression	Against % enrolled
UG to PG	95%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
 Campus selection 	
 Other than campus recruitment 	
Entrepreneurship/Self-employment	

* Dept. has no record keeping machinery, Data are obtained from personal contact with the students

- 30. Details of Infrastructural facilities :
 - a) Library: 150 books are available in the departmental library.
 - b) Internet facilities for Staff & Students : For Faculty only
 - c) Class rooms with ICT facility : Nil
 - d) Laboratories: N.A.
- 31. Number of students receiving financial assistance from College, University,

<u> </u>		.1	•
Government	or	other	agencies:
oo verminente	~	000101	agemeres.

Acad.	Name of Student	Type of Scholarship	Amount of
Year		(from College for subject	Grant (Rs.)
		topper in the department)	
2013-	Milan Seikh	Md. Dedar Box	1000
2014		Memorial Prize	
2014-	Hapejul Halsana	Md. Dedar Box	1000
2015		Memorial Prize	each
	Trisika Roy		
	Subhankar Das		

Part of the students receive Minority scholarships, Jindal & Kanyasree scholarships.

32. Details on student enrichment programmes (special lectures /workshops, Seminars) with external experts :

Sl. no	Title of the Seminar	UGC Sponsored	Organized by	Held on	
no					

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1.	Understanding Swami Vivekananda in Contemporary Perspective	State Level	Dept. of Political Science and Dept. of Philosophy.	23 rd &24 th August,2013
2.	Indo-Bangladesh Relations: Issues ,Problems and Recent Developments	National Level	Dept. of Political Science and Department of History	7 th &8 th September,2013

33. Teaching methods adopted to improve student learning: Teachers are comfortable with lectures delivering by using Black board and chalk. The world maps used for particular papers in honours level.

- 34. Participation in Institutional Social Responsibility (ISR) and Extension Activities : **Some students are associated with the NSS activities**
- 35. **SWOC** analysis of the department and Future plans :

Strength: Good academic records of the students and friendly relations between students and teachers.

- **Weakness**: 1.The examination system run by the Mother University is creating difficulties to complete the syllabus.
 - 2. Some teaching posts are lying vacant.
- **Opportunities**: Formulate the various grants/aids/scholarships from state Govt. and UGC for the betterment of the students and faculty development.
- **Challenges**: 1.To motivates the students for higher education and also for the competitive examinations for job.
 - 2. Special attention for the needy students those who are belongs to the backward district i.e. Murshidabad.

Future Plan:

- 1. Want to open a Centre for a Course on International Affairs and India's Foreign Policy.
- 2. To open a Study cum Counseling centre for Competitive examinations
 - 3. Improve the Departmental Library
 - 4. Intention to open P.G. in this department.



Annexure-1 to Dept. of Political Science

Subhajit Ghosh Publications: (Book-1, Article-5)

Book:

Problem of International Politics for Tripura University Directorate of Distance Education, PG Level (Political Science) fourth semester, 2011, Vikas Publishing House Pvt.Ltd. New Delhi. **ISBN.978-81-259-5270-1.**

Article in Book

- <u>Article</u>: *Tribals of India and Their Movement : An Analysis* (In Bengali), in the book Indian Politics, Apurbamohan Mukhopadhayay and Debasis Nandy (eds.), Published by Jaidurga Library. Kolkata. 2011. ISBN.978-81-920382-4-7.
- Article: The Role of Indian Prime Minister(In Bengali) in the book Bharater Sambidhan ,Apurbamohan Mukhopadhayay and Debasis Nandy(eds.)Published by Jaidurga Library,Kolkata,2012. ISBN.978-93-81680-25-4.
- Article: The Profile of Terrorism in Africa: The Post Cold War Era in the book The Terrorists' World : Ideas and Interpretations, Parthapratim Sen and Arunima Ray (Chowdhury)(eds.),Published by Levant Books,Kolkata. 2014. ISBN.978-93-80663-92-0.

Article in Proceedings

- Article : India-Brazil-South Africa : The Step forwardness in the age of Globalization (In Bengali) in the Proceedings of UGC sponsored National Seminar on "One and Half Decade of Globalization" organized by Barrackpore Rastraguru Surendranath College and Samajbijwan Paricharcha-o-Gobesona Samsad on February,2009.
- <u>Article:</u> Contemporary Indian Society and Sri Sri Sarada Ma: Theoretical Practical Analysis (in Bengali) in the Proceedings of the UGC sponsored National Seminar on "Sociology In The 21st Century : The First Decade" at Barrackpore Rastraguru Surendranath College on December 6th, 2010. ISBN.978-81-921808-1-6.

Paper Presentation:

☆ <u>Title of the Paper</u>: Combating Somali Piracy in The Indian Ocean: Indian Initiative Supports the World. in the UGC Sponsored National Seminar at Syamsundar College, Burdwan, organized by the Deptt. Of History and Political Science, on February 6th and 7th,2015

- Title of the Paper: Swami Vivekananda on Rajadharma : A Conceptual Analysis In Contemporary Perspective. in the UGC sponsored State level Seminar at Kazi Nazrul Islam Mahavidyalaya, Churulia, Burdwan, on February 21st &22nd, 2014. Organized by Deptt. Of History.
- Title of the Paper : Swami Vivekananda on Global Peace & Human Security : Reflections of Sri Ramakrishna. In the UGC sponsored State level Seminar at Krishnath College,Berhampore, Murshidabad on August23rd and 24,2013,organised by the Deptt. Of Philosophy and Deptt. Of Political Science.
- Title of the Paper: India's Maritime Policy and Independence movement for Bangladesh, In the UGC sponsored National Seminar at Krishnath College. On September 7th &8th, 2013, Organised by the Dept. of Political Science and Dept. of History.
- Title of the Paper :Attachment with Southeast Asia : US-China Conflict or Cooperation ?in the International conference of The Bangladesh History Association on 29th and 30th April and 1st May,2010 at the Rural Development Academy ,Bogura, Bangladesh.

Evaluative Report of the Department of Sanskrit

1. Name of the department:	SANSKRIT
2. Year of Establishment :	1907 (General), 1909 (Hons.) & 2003 (PG)
3. Names of Programmes / Courses / Integrated Ph.D., etc.) :	offered (UG, PG, M.Phil., Ph.D., Integrated Masters, UG (B.A. Sanskrit Honours and Sanskrit General, PG
4. Names of Interdisciplinary course the departments/ units involved	s and: Nil
5. Annual/ semester/ choice based cr	redit system (programmewise) : B.A. Hons. (Annual) & PG (Semester)
6. Participation of the department in offered by other departments	the courses : Sanskrit is also offered as a General Subject for the following Honours subjects - Bengali, History & Philosophy. It is also offered as one of the subjects in the B.A. General Course.

7. Courses in collaboration with other universities, : Nil industries, foreign institutions, etc.

8. Details of courses/ programmes discontinued : Nil (if any)with reasons

9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professors	-	-
Associate Professor	-	-
Assistant Professor	4	1

10. Faculty profile with name, qualification, designation, specialization

(D.Sc./D.Litt./Ph.D./M.Phil., etc.):

UG – Present Faculty profile :

SI. No	Name	Qualification	Designatio n	Specializatio n	No. of Years of Experienc e	No. of Ph.D. Student s guided for the last 4 years
1	Tania Sikder	M.A. , M.Phil.	Assistant Professor	Indian Philosophy	l(One) year	N.A.
2	NilanjanaDatt a	M.A. , B.Ed.	Govt. approved Part Time Teacher	Kavya	11(Eleven) years	N.A.
3	Sonamoni Das	M.A. , B.Ed.	Guest Lecturer	Kavya	3(Three) years	N.A.
4	Bikash Ghosh	M.A. , B.Ed. , M.Phil.(Ongoin g)	Guest Lecturer	Kavya	2(Two) years	N.A.

PG – Present Faculty (Guest) profile :

SI. N o.	Name	Qualificati on	Designation	Specializat ion	No. of Years of Experien ce	No. of Ph.D. Studen ts guided for the last 4 years
1	Amal Kumar Bhattacharya	Ph.D.	Ex. Associate Professor, K.N.College	Kavya	13(Thirte en) years	N.A.

2	Kamala Mukherjee	M.A.	Ex. Principal,Berham pore Girl's College	Kavya	13 (Thirteen) years	N.A.
3	Braja Mohan Mandal	M.A.	Ex. Associate Professor, K.N.College	Kavya	13 (Thirteen) years	N.A.
4	SmritiRoychoudh ury	M.A. , M.Phil.	Ex. Associate Professor, Berhampore Girl's College	Kavya	13 (Thirteen) years	N.A.
5	SomdattaChakrab orty	Ph.D.	Associate Professor, Berhampore Girl's College	Veda	13 (Thirteen) years	N.A.

6	Sanchita Chakraborty	M.A. , M.Phil.	Approved Part Time Lecturer, Berhampore Girl's College	Kavya	9 (Nine) years	N.A.
7	Mithun Das	M.A.	Approved Part Time Lecturer, S.C.B.C.College	Kavya	8 (Eight) years	N.A.
8	Tania Sikder	M.A. , M.Phil. , Ph.D.(Ongoing)	Assistant Professor, K.N.College	Indian Philosophy	1 (One) year	N.A.

N.B. There is no permanent post in P.G. All teachers are guest.

11. List of senior visiting faculty :

UG : None

PG : 9 (Nine)

Sl.	Name	Designation	Institute/University
No.			
1	M.K.Ganguli	Ashutosh Professor	Calcutta University

2	S.C.Goswami	Dean	RabindraBharati University
3	P.K.Datta	Professor	Jadavpur University
4	S.Ganguli	Professor	Jadavpur University
5	T.N.Adhikary	Professor	RabindraBharati University
6	U.Banerjee	Associate Professor	Behala College
7	N.N.Banerjee	Director	VedavidyaBhawan
8	RadhanathAcharya	Associate Professor	Hetampur College
9	Adityanath Bhattacharya	Professor	Bardwan University

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

UG

Name of temporary faculty	Qualificatio n	Designatio n	Academi c Session	Total nos. of classes in the Departmental Routine	Total nos. of classes taught by temporar y faculty	Percentage of classes taught by temporary faculty
Bikash Ghosh,	M.A. , B.Ed. , M.Phil. (Ongoing)	Guest Lecturer	2014 - 15	50	9	18 %
Sonamoni Das	M.A. , B.Ed.	Guest Lecturer	2014 - 15	50	9	18 %

13. Student-Teacher Ratio (programme wise):

|--|

2014 -15	UG - Honours	35 : 1
2014-15	UG-Gen	590 : 1
2014 - 15	P.G.	27: 1

- 14. Number of academic support staff (technical) : Nil and administrative staff; sanctioned and filled
- 15. Qualifications of teaching faculty with D.Sc./ : Please see Sl. No. 10. D.Litt./Ph.D./M.Phil./PG
- 16. Number of faculty with ongoing projects from : Nila) National b) International funding agencies and grants received
- 17. Departmental projects funded by DST-FIST, : Nil UGC, DBT, ICSSR, etc. and total grants received
- 18. Research Centre/ facility recognized by the : Nil University
- 19. Publications : Nil
- 20. Areas of consultancy and income generated : N.A.
- 21. Faculty as members ina) National committees: None
- b) International Committees: None
- c) Editorial Boards: None

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: 100% of the students have done in-house Environmental Project.

- b) Percentage of students placed for projects : Nil in organizations outside the institution i.e. in Research laboratories/ Industry/ other agencies
- 23. Awards / Recognitions received by faculty and students :

Student Award:

Sl. No.	Name of the student	Award	Year
1.	Shantanu Das	1 st (K.U Final)	2014
	Debdyuti Chakraborty	2 nd (K.U Final)	
2.	Payel Biswas	2^{nd} (K.U Final)	2015

Faculty Award: Nil

- 24. List of eminent academicians and scientists/ : Nil visitors to the department
- 25. Seminars/ Conferences/ Workshops organized & the source of funding
 - a) State/Regional : Nil
 - b) National: Nil
 - c) International : Nil
- 26. Student profile programme/ course wise:

Name of the Course/Programme	Academic Session	Applications		Enro	olled	Pass
eourse, rrogramme	Session	received	Selected	*M	*F	Percentage (Year)

	2009 - 10	321	40	15	19	96.3 (2012)
	2010 - 11	343	47	28	19	82.92 (2013)
B.A.(Hons.)	2011 - 12	361	45	21	20	79.41 (2014)
	2012 - 13	405	50	18	22	90.47 (2015)
	2009 - 10	1486	316	132	110	78 (2012)
B.A.(Gen.) (Opted	2010 - 11	1523	422	208	167	50.63 (2013)
Sans.)	2011 - 12	1546	488	290	189	65.21 (2014)
	2012 - 13	1584	565	365	324	52.17 (2015)
	2010 - 11	175	65	12	53	99 (2012)
M.A.	2011 - 12	157	47	13	34	97 (2013)
1,111	2012 - 13	189	60	13	47	83.93(2014)
	2013 - 14	184	61	13	48	95.12(2015)

*M - Male , *F - Female

27. Diversity of Students:

Name of the Course	% of student from same State (West Bengal)	% of student from other States	% of student from abroad
UG	100	0	0

_				
	PG	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name of the Students	Year of passing (PG)	Name of the competitive examinations	Nos. of student passed
Santosh Mandal			
Astikmani Mandal	2010		
Bikash Ghosh	2010	NET	6
SukanyaHalder			
Jayanta Sarkar	2012		
Manisha Mandal	2013		

29. Student progression*:

Student progression	Against % enrolled
UG to PG	90
PG to M.Phil.	N.A.
PG to Ph.D,	N.A.
Ph.D. to Post - Doctoral	Nil
Employed	Nil
- Campus selection	
- Other than campus recruitment	
Entrepreneurship / Self - employed	Nil

* We have no record keeping machinery. All data are collected from students and are approximate data

30. Details of Infrastructural facilities :

a) Library: The department has a Seminar Library. At present, there are 2500 books in it containing Texts, Criticism, Philosophy, Vedic studies, Linguistics & other titles.

b) Internet facilities for Staff & Students: Available.

c) Class rooms with ICT facility: There is no separate classroom with ICT facility.

d) Laboratories: Not Applicable.

31. Number of students receiving financial assistance from college, university, government or other agencies:

Acad.	Name of Student	Type of Scholarship	Amount of
Year		(from College for subject	Grant (Rs.)
		topper in the department)	
2013-	Shantanu Das	Rani Mukherjee	1000
2014		Memorial prize	
	Shatabdi	B.C.Tarka	1000
	Chatterjee(PG)	Vyakaran Tirtha	
		Memorial Prize.	
		A.C.Roy Memorial	6500
		Prize.	
2014-	Payel Biswas	Rani Mukherjee	1000
2015		Memorial prize	
	Manisha Mandal (PG)	B.C.Tarka	1000
		Vyakaran Tirtha	
		Memorial Prize.	
		A.C.Roy Memorial	6500
		Prize.	

There are different scholarships from government and other agencies which the students can avail. These scholarships are disbursed centrally and not channelized through the academic departments. The records are also kept centrally.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Workshop on spoken Sanskrit, with Arrangement of Short educational tour, special lectures etc.

33. Teaching methods adopted to improve student learning :

Traditional teaching method (chalk & black board) is used. Tutorial and Remedial Classes are arranged for weaker students.

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities: Teachers and the students actively participate in different socially relevant

programmes.BloodDonationCamp, Thalassemia Detection Camp, Tree Plantation, Cloth distribution among poor people etc. are organized by the NSS unit of the college.

35. SWOC analysis of the department and Future plans:

Strengths	 Sincere, hard-working and disciplined students. Highly motivated and competent faculty members. Good library facilities.
Weaknesses	 Shortage of teaching staff. Difficult to attract students who go for technologically advanced job-oriented courses.
Opportunities	- Running successfully P.G. course in this Department.
Challenges	- To create interest among the students for an ancient language like Sanskrit.

Future Plans:

- To apply for research projects, both Minor and Major by the faculties.
- To organize a National Level seminar in the near future.
- To build a reading room, a digital library in the department.

Evaluative Report of the Department of Sericulture

- 1. Name of the department : Sericulture
- 2. Year of Establishment : UG (Major) 1994 PG 2002
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) UG & PG
- 4. Names of Interdisciplinary courses and the departments/units involved- Zoology
- 5. Annual/ semester/choice based credit system (programme wise) -
 - UG (Annual),
 - PG (Semester/choice based credit system)
- 6. Participation of the department in the courses offered by other departments: Nil
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
- 8. Details of courses/programmes discontinued (if any) with reasons : Nil
- 9. Number of Teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	Nil	Nil

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Sanat Kumar Ray	M.Sc., Ph.D	Associate Professor of Zoology & HOD*	Parasitology	27	Nil
Anirban Talukdar	M.Sc	Assistant Professor of Zoology & Guest	Wild Life Biology	11 months	Nil
Kankana Basu	M.Sc, M.Phil	Lecturer in Sericulture Assistant Professor of Zoology & Guest Lecturer in Sericulture	5	10 months	Nil
Pranab Kumar Halder	M.Sc, M.Tech	Assistant Professor of Zoology & Guest Lecturer in Sericulture		8 months	Nil
Dr. Susanta Kumar Chattopadhy	M.Sc., Ph.D , F.H.S.I.	Guest Lecturer	Parasitology and Immunology	42	Nil
Dr. Gopinath Baur	M.Sc., Ph.D	Guest Lecturer	Entomology & Malacology	28	Nil
Dr. Kunal Sarkar	M.Sc., Ph.D	Guest Lecturer	Silkworm Cocoon Production	13	Nil
Sri Somdip Majumdar	M.Sc	Guest Lecturer	Pathology	13	Nil
Sm. Debosri Chatterjee	M.Sc	Guest Lecturer	Sericulture Extension	7	Nil
Sri Alok Ranjan Goswami	M.Sc	Guest Lecturer	Mulberry Crop Management	7	Nil
Dr. Asit Kumar Chandra	M.Sc., Ph.D	Guest Lecturer	Protozoology	40	Nil
Dr. Salil Raha	M.Sc., Ph.D	Guest Lecturer	Entomology	33	Nil

*HOD-Head of the Department

- 11. List of senior visiting faculty: Nil
- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty All the classes in both UG and PG are handled by temporary faculties. This is a self financing course so departments are entirely run by Guest Lecturers.
- 13. Student Teacher Ratio (programme wise)
 - UG- 17:1
 - PG- 10:1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled- Nil

List of the non teaching staff, with their designations, qualifications, age and sex.

Name of the Non	Designation	Highest	Age (Yrs)	Sex
Teaching Staff		Qualification		
Kalyan Rakshit	Part-Time Lab Attendant	B.Sc (Bio)	44	М
Balaram Bagdi	Field Stuff (Part-Time)	Pre-Matric	31	М

Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.
 M.Sc & Ph.D. - ; M.Sc. - ; M.A & Ph.D.-; M.A & M.Phil- ; M.A- etc.

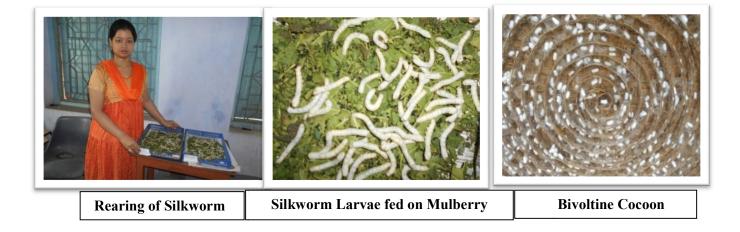
Qualification	Guest faculty
	06
M.Sc & Ph.D.	
	01
M.Sc. & M.Phil	
	01
M.Sc. & M.Tech.	
	04
M.Sc.	

- 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:
 - a) Publication per faculty

Faculty	Publication Papers			
	Int.	Nat.		
Dr. S.K. Chattopadhyaya	-	03		
Dr. G.Baur	-	03		
Dr. Kunal Sarkar	03	07		

- b) Number of papers published in peer reviewed journals (national / international) by faculty and students. Details are given in *Annexure 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: 191 (One Hundred and Ninety One)
 - a) Percentage of students who have done in-house projects including inter departmental/programme-- All the students enrolled in Post Graduate Course have done in house projects.
 - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies- A significant number of students placed as JRF in Central Sericultural Research and Training Institute, Berhampore.







Multivoltine Cocoons



Cocoon Harvesting

23. Awards / Recognitions received by faculty and students

All rank holders in Sericulture (both UG and PG) University of Kalyani from this Department only as it is the only Institute where Sericulture is taught under this University.

- 24. List of eminent academicians and scientists / visitors to the department
 - Prof. Sujit Basu Former Vice Chancellor, Viswa Bharati University
 - Dr. A.K.Sarkar, Former Director, Central Sericultural Research and Training Institute, Berhampore, West Bengal
 - Anisur Rahaman, Former Minister in Charge, Animal Husbandry, West Bengal
 - Mainul Hassan, Former Chairman, Small Scale Industrial Development Board
 - Dr. Suniti Mandal, Reader, Department of Botany, Sripat Singh College
 - 25. Seminars/ Conferences/Workshops organized & the source of funding

a) State / Regional : Nil

- b) National :Nil
- c) International : Nil
- 26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Enrolled Pass percentage	
			*M	*F		Year
B.Sc (Major) (for last 4	Acad. Years)					
• 2009 -10	214	35	11	04	80%	2012
• 2010-11	236	48	26	08	85.71%	2013
• 2011-12	223	48	30	11	86.66%	2014
• 2012-13	257	48	40	16	61.11%	2015

M.Sc (Sericulture)						
• 2009-10	18	18	10	05	100%	2011
• 2010-11	14	14	10	04	100%	2012
• 2011-12	14	14	06	04	100%	2013
• 2012-13	12	12	09	02	58.33%	2014
• 2013-14	14	14	10	04	100%	2015

M = Male F = Female

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 (Major)	All	Nil	Nil
M.Sc (Sericulture)	All	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? N.A.

29. Student progression

Student progression	Against % enrolled
UG to PG	25%
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.

Employed	
 Campus selection 	N.A.
 Other than campus recruitment 	
Entrepreneurship/Self-employment	N.A.

30. Details of Infrastructural facilities

a) Library-

Departmental Library contains 300 books.

- b) Internet facilities for Staff & Students : The department has 01 desktop and 01 laptop with internet connection for both staff and students.
- c) Class rooms with ICT facility:

Nil

- d) Laboratories-
 - Rearing Technology and Innovation Lab
 - Biochemistry Lab
 - Mulberry Physiology and Soil Science Lab
 - Biotechnology and Molecular Biology Lab
- 31. Number of students receiving financial assistance from College, University, Government or other agencies :

Session	Name of Student	Type of Scholarship	Amount of
		(from College for subject topper	Grant (Rs.)
		in the department)	
2013-	AmitavaSinha(UG)	S.C.Mukherjee Memorial	1000 +
2014		& K.B. Goswami	1000
		Memorial Prize	
	Avisek Bhaskar	G. C. Bhattacharya	6500
	(PG)	Memorial Prize	
2014-	Akash Chakraborty	S.C.Mukherjee Memorial	1000 +
2015	(UG)	& K.B. Goswami	1000
		Memorial Prize	
	Ankita Saha (PG)	G. C. Bhattacharya	6500
		Memorial Prize	

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

- Special Lectures/workshops/Seminar was organized time to time by taking Experts/Scientists from Central Sericultural Research and Training Institute, Berhampore, West Bengal.
- An On Job Training of 15 days used to organize every year for IIIrd Year Students of Sericulture in Central Sericultural Research and Training Institute, Berhampore, West Bengal.
- Final Semester Post Graduate Students used to deliver a seminar which is obligatory for them in completion of curriculum.
- 33. Teaching methods adopted to improve student learning
 - Lecture Method
 - Method Demonstration and Result Demonstration
 - Project Method
 - Power Point Presentation
 - Remedial and tutorial classes.
 - Use of different types of models and charts
 - Visit to different Sericultural Farms for enrichment of practical knowledge.
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities Students of both UG and PG actively participate in various lab to land programme.
- 35. **SWOC** analysis of the department and Future plans

Strength:

Sericulture was introduced in Degree Course as a vocational subject in only two colleges of West Bengal *i.e.* Krishnath College, Berhampore and Berhampore Girls' College under Calcutta University in the year 1994.

- In 2002, Postgraduate course in Sericulture was introduced in Krishnath College under the University of Kalyani to generate a specialized group of experts and to meet the demand of highly skilled man power of new generation to run Sericulture Industry in proficient manner.
- In the perspective of Sericulture study, this college is the only and also the pioneer institute of West Bengal, rather in Eastern India, where Sericulture is taught both at Undergraduate and Postgraduate level till 2014-2015 academic session.
- The course content has fulfilled the requirements of Sericulture industry as well as Agricultural industry and very much appreciated by the relevant scientists and educationalists.

- Good Laboratory infrastructure with sufficient number of microscopes and other instruments required for practical classes.
- Students benefit from close interaction with the teachers.
- Good teacher : student ratio.
- Departmental library with books of different disciplines meet the need of students and teachers.
- Department also has its own computer facility with internet connectivity for academic and administrative work.
- Strict discipline among students is maintained to ensure a healthy academic environment in the department.

Weakness:

- Both Undergraduate and Post graduate Department of Sericulture are not having any full time faculties since the inception of that course. Both Undergraduate and Post graduate Department of Sericulture are entirely run by Guest Lecturers only.
- There is no sanctioned Post in both Under Graduate and Post Graduate Level.
- Due to self financing nature of course students have to pay additional tuition fees as compared to other normal courses.

Opportunities:

- Besides Govt Jobs in various Sericultural farms of both State and Central Govt, here is a huge opportunity of developing entrepreneurship in various sectors.
- Students may start their own venture in Silkworm Seed Production, Cocoon Production and Silk Production sector etc.
- Various NGOs also offer jobs in various aspects of Sericulture Industry.

Challenges:

Job opportunities particularly in Govt. sectors become meagre. There is no Advertisement of jobs in State Sectors since 1998. This subject has also not got its place in School Service Commission and College Service Commission. So enrollment of students in Under Graduate and Post Graduate Courses are decreasing day by day.

Future Plans :

- Enrichment of the departmental library with more reference books and journals.
- To provide further research facilities with the purchase of advanced machineries like laminar flow, biotechnological devices, spectroscopy, UV chambers etc.
- To provide more research facilities to the students.

- To provide career counseling program for the UG and PG students.
- To provide Full Time Faculties & Technical staffs in U.G. & P.G. Department.
- To organise interaction programmes with farmers for dissemination of modern technologies.
- To set up a computer lab for bio-informatics study.
- To establish a seminar room.
- To conduct workshops on various laboratory and field techniques.
- To seek fund from UGC for organizing seminar in future.

Annexure 1 to Dept. of Sericulture

List of the Publications:

Dr. S.K. Chattopadhyaya:

- 1. Sarkar, K, Chattopadhyay, S.K. and Baur, G (2011) Effect of Frequency of Feeding on The Commercial Characteristics of *Bombyx mori* L. *Journal of Environment and Sociobiology*. Vol. 8, No.2, 2011, pp.229-235.
- Sarkar, K, Bhattacharya, D.K and Chattopadhyay, S.K .(2008) Performences of Multivoltine Hybrid Nistari×M12 (W) And Cross Breed N×Nb4d2 Of *Bombyx mori* L. during Favourable and Unfavourable Season In West Bengal. *Journal of Environment and Sociobiology*. Vol. 5, No.1, 2008, pp.37-41.
- 3. Chattopadhyay, S.K, Sarkar, K, Chattopadhyay, R, Baur, G and Trivedi, S (2008) A Study on Socio-Economic, Health and Hygiene Status of Women Engaged in Sericulture Industry in Sujapur of Malda District, West Bengal. *Journal of Environment and Sociobiology*. Vol. 5, No.1, 2008, pp.77-81.

<u>Dr. G.Baur :</u>

- Mandal,B, Roy Chowdhuri, S, Das, S, Sarkar, K and Baur, G. (2012) Studies on Morphology and Reproductive Behaviour in Mulberry (*Morus* sp.) J.Interacad. 16 (4): 893-897.
- Trivedi, S , Sarkar, K, Chattopadhyay, S.K, Baur, G, Mandal, M and Majumdar, S (2008) Effect of Multiple Crossing on Fecundity and Fertility Of Some Popular Cross Breeds Of *Bombyx Mori* L In West Bengal *Journal of Environment and Sociobiology*. Vol. 5, No.1, 2008, pp.27-35.
- Ganguly, S. K, Chakaraborty, A, Baur, G, Chattopadhyay, S.K, Trivedi, S and Ghoshal, S (2008) Role of pathogenic bacteria and foreign bodies in the hemocyte count of different races of silkworm (*Bombyx mori L.*). *Journal of Environment and Sociobiology*. Vol. 5, No.1, 2008, pp.89-96.

<u>Dr. Kunal Sarkar</u>

- 1. Trivedi, S and **Sarkar, K** (2015) Comparative Study on Income Generation Through Agriculture Crop and Sericulture At Farmer's Level in Murshidabad District. Journal of Entomology and Zoology Studies. 2015; Vol. 3 (1): pp. 242-245.
- Sarkar, K and Moorthy, S.M (2012) Evaluation of Multivoltine Based Silkworm Hybrids for Rearing During Unfavourable Seasons in West Bengal. Journal of Sericulture & Technology. Vol. 3 (1): 64-66.

- 3. Das, S, Roy Chowdhuri, S, Mawii, L, Mandal, B, **Sarkar, K** and Baur, G (2012) Effects of Ploidy on Morphology, Leaf Anatomy And Propagation Efficiency In Mulberry (Morus Sp.), An Important Part To Silkworm Breeding. Uttar Pradesh J.Zool. 32 (2):217-221.
- 4. Sarkar, K, Chattopadhyay, S.K and Baur, G (2011) Effect of Feeding Duration on Fifth Instar Silkworm On The Commercial Characteristics of Bombyx Mori L. *Journal of Environment and Sociobiology*. Vol. 8, No.2, 2011, pp.247-251.
- Sarkar, K , Mandal, M and Moorthy,S.M (2009)"Effect of Mating Duration and Multiple Use of Male Moth on Reproductive Performance of Some Cross Breeds of Silkworm, *Bombyx mori* L. *Int.J. Indust.Entomol.*vol.19, No.2, 2009, pp.215-219.
- Mathur, V.B and Sarkar, K (2008) Impact of egg laying duration on the occurrence of fertilized and unfertilized eggs of the newly evolved race of *Bombyx mori* L. *Int.J. Indust.Entomol.*vol.16, No.1, 2008, pp.1-5.
- Sarkar, K, Bhattacharya, D.K, Chattopadhyay, S.K, Trivedi, S and Ghoshal, S (2008) Effect of Feeding of Different Maturity Level of Mulberry Leaves on The Commercial Characteristics of *Bombyx Mori* L. During Dry Summer in West Bengal. *Journal of Environment and Sociobiology*. Vol. 5, No.1, 2008, pp.7-18.
- Sarkar, K, Chattopadhyay, S.K, Baur, G And Trivedi, S (2008) A Study on Adoption of Improved Sericultural Practices at Farmers Level in Major Traditional District of Sericulture in West Bengal. *Journal of Environment And Sociobiology*. Vol. 5, No.1, 2008, Pp.55-60.
- Sarkar, K, Bhattacharya, D.K, Chattopadhyay, S.K and Trivedi,S (2008) Evaluation of Nistari×Csr2 (M×Bi) Cross Breed of *Bombyx Mori* at Lab Condition. *Proc.Zool.Soc.*Calcutta 60(2) pp.53-57.
- Trivedi, S, Sarkar, K, Bhattacharya, D.K, Chattopadhyay, S.K, and Ghoshal, S (2008) Study of Pubescence In Different Maturity Level Of Leaves In Different Mulberry Varieties. *Journal of Environment and Sociobiology*. Vol. 5, No.1, 2008, pp.49-53.
- Ganguly, S. K, Chakaraborty, A, Trivedi, S, Ghoshal, S and Roy, S and Sarkar, K (2008) Pre-Pupal Hemocytic Change in Silk Worm *Bombyx mori. Journal of Environment and Sociobiology*. Vol. 5, No.1, pp.82-87.

*

Evaluative Report of the Department of Tourism and Travel Management

1. Name of the Department : TOURISM AND TRAVEL MANAGEMENT

2. Year of Establishment: UG (MAJOR) : 1994

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UNDER GRADUATE(UG)

4. Names of Interdisciplinary courses and the departments/units involved : BENGALI,BASIC COMPUTING, ECONOMICS,ENGLISH,ENVIRONMENTAL SCIENCE,HISTORY ARE INCLUDED AS COMPULSORY PAPERS IN THE COURSE CURRICULUM & ALL CONCERNED DEPARTMENTS ARE INVOLVED.

- 5. Annual/ semester/choice based credit system (programme wise) : ANNUAL
- 6. Participation of the department in the courses offered by other departments: NIL
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL
- 8. Details of courses/programmes discontinued (if any) with reasons: NIL
- 9. Number of Teaching posts

	Sanctioned	Filled
Professors	NIL	NIL
Associate Professors	NIL	NIL
Asst. Professors	NIL	NIL

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

There is no permanent faculty. This is a self financing subject and department is entirely run by Guest Faculties.

Name	Qualificati on	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
NILANJAN	PGDTTM	GUEST	Op.	21	NIL
PAUL		LECTURER	Management		
			& H R in		
			Tourism		
ARINDAM	МТА	GUEST	HumanResour	13	NIL
MANDAL		LECTURER	ce Mgt. In		
			Tourism		
MD ABU	MATA,	GUEST	TRAVEL	7	NIL
BARKAT	UGC NET	LECTURER	TRADE &		
ALI			AIR CARGO		
			OPERATION		

11. List of senior visiting faculty : DR.(PROF) PRANOTOSH SEN, EX-HEAD OF THE DEPARTMENT, DEPARTMENT OF TOURISM AND TRAVEL MANAGEMENT & PROFESSOR IN ECONICSOM.

- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : All the classes are handled by temporary faculties. This is a self financing course, so departments are entirely run by Guest Lecturers.
- 13. Student Teacher Ratio (programme wise) : UG (Major) 5 : 1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL
- 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.: PG 2(TWO)
- 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:

a) Publication per faculty :
MD ABU BARKAT ALI
A detailed list of publication and paper presentations per faculty from date of joining up to 2015 is given in the Annexure 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 : 201(TWO HUNDRED AND ONE)
 - a) Percentage of students who have done in-house projects including inter departmental/programme: ALL THE STUDENTS ENROLLED IN THE UG PROGREME HAVE UNDERGONE IN HOUSE PROJECT.
 - 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
 - a) State / Regional: NIL
 - b) National : NIL
 - c) International : NIL

Name of the	Applications		Enro	olled	
Course/programme	received	Selected	*M	*F	Pass percentage (Year)
B.A (Major) 2009-2010	50	35	19	04	43.75 (2012)
B.A (Major) 2010-2011	55	35	23	04	33.33 (2013)
B.A (Major) 2011-2012	66	32	22	03	100 (2014)
B.A (Major) 2012-2013	45	23	12	05	50 (2015)

26. Student profile programme/course wise:

M = Male F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
UNDER GRADUATE	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? :
 UGC NET JRF – ONE, CENTRAL STAFF SELECTION COMMISSION MISCELLENEOUS EXAM: ONE

29. Student progression*

Student progression	Against % enrolled
UG to PG	30%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
 Campus selection 	30%
 Other than campus recruitment 	
Entrepreneurship/Self-employment	10%

* Dept. has no record keeping machinery. Data are collected from the students and are approximate.

30. Details of Infrastructural facilities

a) Library : DEPARTMENT HAS ITS OWN WELL EQUIPPED LIBRARY CONTAINING MORE THAN HUNDRED BOOKS OF BOTH NATIONALY & INTERNATIONALLY REKNOWNED PUBLISHERS.

- 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 : There are different scholarships from government and other agencies which the students can avail. These scholarships are disbursed centrally and not channelized through the department. The records are also kept centrally.

- 32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:
 - I) ORGANIZATION OF SPECIAL LECTURES, WORKSHOPS ARE DONE INVITING INDUTRY EXPERTS, SENIOR FACULTIES FROM CONCERNED SECTORS & FIELDS.
 - II) AN ARRANGEMENT OF ON-THE-JOB TRAINING PROGRAME IS REGULARLY DONE FOR 15 DAYS IN ASSOCIATION WITH DEPARTMENT OF TOURISM, GOVERNMENT OF WEST BENGAL, WEST BENGAL TOURISM DEVELOPMENT CORPORATION ETC IN KOLKATA, WEST BENGAL.

- 33. Teaching methods adopted to improve student learning : LECTURE METHOD METHOD DEMONSTRATION & RESULT DEMONSTRATION PROJECT METHOD
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities STUDENTS ARE CORDIALLY & ACTIVELY PERTICIPATE IN VARIOUS SOCIAL SERVICE ACTIVITIES.
- 35. SWOC analysis of the department and Future plans

Strength:

Tourism today is believed to be one of the largest industry in the world. The unmatched potential of tourism in a country's economy, contribution on lasting peace and facilitating in international brotherhood & environmental awareness have already attracted many govt. and nation to welcome it. Tourism is also labour intensive and one of the largest source of generation of employment.

Our college namely **"Krishnath College, Berhampore"** located at the most promising Heritage tourism destination in India as well as the World. To develop international standard infrastructure for our district need some trained manpower, students of the department facilitate the scope as and when required. Already few more students of the department associated with this development task. In the context of the fewer avenues of employment in the organized sector in relation to growing population in the state and increasing availability of the education – the effort needs to be directed to equipping students for gainful self employment.

The Department of Tourism and Travel Management, Krishnath College is boasts of its locational advantage in Murshidabad, the City of Nawabs which has positioned itself not only in the national tourism scenario but even abroad. Every year a large number of tourists get attracted towards the rich history and heritage of medieval Murshidabad , many of them who also visit to Krishnath college. Krishnath college is not only renowned for its rich architectural & historic heritage but even for its academic excellence too. The Department itself is believed to be one of the oldest school of learning in the field of Tourism and Travel Studies & the only school offering Bachelor degree program in Tourism and Travel Management in the whole Central Bengal. It is credited to having built the enlightenment of basic thinking and awareness about tourism studies among the general public(both literate & illiterate).

Weakness:

Economy of the district of Murshidabad mainly based on the agriculture. There is no significant industry which has not been seen. The students are coming from the rural families, they are not at all aware for this kind of vocational courses that is why mixed response have been achieved.

The apathetic attitude of the Government towards the promotion & development of trained and qualified human resources in the field tourism within the state is still believed to be one of the major setback which is clearly impacted in this department. No receivable of funding from both central and state funding agencies for last 15-20 years has almost ruined the infrastructural conditions of this department while the tourism like professional courses required a lot of resources to make the department alive. Primary among them are as follows:

I) Lack of sufficient number of updated books, journal and magazines of both written or edited by renowned authors and publications.

II) No availability of ICT left the students almost unaware about the technological advancement in the field of tourism studies.

III) No appointment & promotion of full time faculty even after having the presence & eligibility of the part timers (as per UGC norms for appointment of teacher in college)and running of the department with Guest faculties with poor pay since its inception has broken down the teaching and learning environment etc.

Opportunities:

The live register of employment exchange indicates that the increase in the number of person seeking assistance for employment has been higher in the case of the educated than unskilled workers in general with oversupply of graduates; competition for job earlier performed by less qualified person has grown. For graduates and post-graduates of general subjects, there are very limited employment possibilities in their respective areas of specialization. It is true that the kind of vocational education being offered employment and self employment possibilities are very high.

The comprehensive attempts taken by both the honourable Central and State Governments to promote & develop tourism may be viewed as an opportunity for those invading as tourism entrepreneurs as well as those who want to join the corporate world as an employee.

The specific focus of both central and state governments on tourism education in their respective tourism policy might also bring a ray of hope for tourism learners.

Challenges:

- 1. Acute financial problem.
- 2. No such financial help is getting from the college authority till date.
- 3. The roll of Kalyani University is very unsatisfactory.
- 4. Without actual participation in work in a workplace, vocational education cannot be assumed to be complete. But the collaborating institute is not performed their task properly. The duration of On-Job-Training is not enhanced still now.
- 5. Faculty development initiatives are not properly maintained.
- 6. The remuneration of the present faculty members are very poor not upto the U.G.C. level.

<u># Annexure 1 to the Dept of Tourism and Travel Management</u> (All data are of 2014 database)

MD ABU BARKAT ALI: I) PUBLICATION OF ARTICLE: BISWAL, S.K AND ALI, M, A,B (2014) SUSTAINABLE DEVELOPMENT OF TOURISM: STRATEGIC A'S 7 ITS SIGNIFICANCE,EXCELL INDIA PUBLICATION,NEW DELHI, PP. 123-130.

II) PUBLICATION OF BOOKS:ALI, M.A.B (2015) TRAVEL & TOURISM MANAGEMENT, PRENTICE HALL OF INDIA, NEW DELHI. ISBN 9788120350588

Asst. Professors

Govt. Approved PTT

Guest Teachers

Evaluative Report of the Department of Zoology

1.	Name of the department :	Zoology			
2.	Year of Establishment:	(GEN); 1962 (H	ONS); 1985		
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG				
4.	Names of Interdisciplinary co	ourses and the departme	ents/units involved : Sericu	ılture	
5.	Annual/ semester/choice base	ed credit system (progr	amme wise) : Annual		
6.	Participation of the departme	nt in the courses offere	d by other departments :	NIL	
7.	Courses in collaboration wit universities, industries, forei		NIL		
8.	. Details of courses/programmes discontinued (if any) with reasons : NIL				
9.	Number of Teaching posts:				
		Sanctioned	Fille]	
	Professors	<u> </u>	_	1	
	1101055015			-	
	Associate Professors		01 *	4	
		05			

* All base posts are Assistant Professor's post, upgraded by Career Advancement Scheme.

04

G.B. appointed

03

02

02

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
Dr. Sanat Kumar Ray	M.Sc., Ph.D.	Associate Professor	Parasitology	27	-
Anirban Talukdar (Joined on 30.01.2015.)	M.Sc.	Assistant Professor	Wild Life Biology	11 months	-
Kankana Basu (Joined on	M.Sc. , M.Phil.	Assistant Professor	Fishery	10 months	-
Pranab Kumar Halder (Joined on 24 04 2015)	M.Sc., M.Tech.	Assistant Professor	Ecology	8 months	-
Fazlul Haque	M.Sc.	PTT	Fishery	18	-
Subhasish Mandal	M.Sc.	PTT	Entomology	5	-
Dr. Susanta Kumar Chattopadhvav	M.Sc., Ph.DF.H.S.I.	Guest Teacher	Parasitology & Immunology	42	-
Dr. Gopinath Baur	M.Sc., Ph.D.	Guest Teacher	Entomology & Malacology	28	-

- 11. List of senior visiting faculty : **NIL**
- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Year	Theoritical	Practical
2013-14	15%	10%
2014-15	10%	10%

13. Student - Teacher Ratio (programme wise):

Programme	Student -Teacher Ratio
B.Sc. (Hons.)	7:1
B.Sc. (General)	21 :1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Laboratory attendant			
Sanctioned Filled Part-time			
04	01	03	

Laboratory assistant (Technical) – NIL

Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. M.Sc & Ph.D.- ;
 M.Sc. - ; M.A & Ph.D.- ; M.A & M.Phil- ; M.A- etc.

Qualification	Permanent Full time faculty	Govt aided Part time faculty	Guest faculty
		-	
M.Sc & Ph.D.	01		02
		-	-
M.Sc. & M.Phil	01		
		-	-
M.Sc. & M.Tech.	01		
			-
M.Sc.	01	02	

- 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:

a) Publication per faculty:

Faculty	Publication Papers	
	Int.	Nat.
Dr. Sanat Kumar Ray	-	07
Kankana Basu	01	-
Pranab Kumar Halder	02	-

Details are given in *Annexure 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) (i) Percentage of students who have done in-house projects including inter departmental/programme :

Programme	% of students done projects
UG (Hons. & Gen.)	100% (ENVS Project)
UG(Hons.)	Approx. 91% (Field Project)

(ii) Educational Tours conducted by the Dept of Zoology during the last four Academic Years

Year	Course	Place	No. of	Attendance
			Days	
2015	B.Sc.	Digha and adjoining	4	90 %
	(Hons.)	sea -beaches		
2014	B.Sc.	Digha and adjoining	4	96%
	(Hons.)	sea -beaches		
2013	B.Sc.	Digha and adjoining	4	88%
	(Hons.)	sea -beaches		
2012	B.Sc.	Digha and adjoining	4	90.5%
	(Hons.)	sea -beaches		

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : **NIL**



Digha Excursion Group Photo (2013-2014)



Demonstration of a collected specimen by teacher

Sl.	Name of	Award/Recognition	
No.	Students		
	2015		
01	Tania Dutta	B.Sc. Final K.U. : 1 st class 1st	
02	Pallabi Bhattacharya	B.Sc. Final K.U. : 1 st class 3rd	
03	Rozina Sabnam	B.Sc. Final K.U. : 1 st class 8th	
04	Kazi Afreena Ahamed	B.Sc. Final K.U. : 1 st class 9th	
	2014		
05	Uday Hossain	B.Sc. Final K.U. : 1 st class 2nd	
06	Sriparna Das	B.Sc. Final K.U. : 1 st class 5th	
07	Samata Banerjee	B.Sc. Final K.U. : 1 st class 7th	
08	Nazir Hossain	B.Sc. Final K.U. : 1 st class 8th	
	2013		
09	Sharmistha Guha Roy	B.Sc. Final K.U. : 1 st class 1st	
10	Jagyaseni Pathak	B.Sc. Final K.U. : 1 st class 10th	
2012			
11	Asikur Rahman	B.Sc. Final K.U. : 1 st class 3rd	
12	Anurupa Mistry	B.Sc. Final K.U. : 1 st class 7th	

23. Awards / Recognitions received by faculty and students :

24. List of eminent academicians and scientists / visitors to the department :

- **Prof. Alok Kumar Banerjee** Ex-Vice Chancellor, University of Kalyani
- **Prof. Nimai Chandra Saha** Directorate of Public Instruction Govt. of West Bengal
- **Prof. Anilava Kaviraj** Professor, Dept of Zoology University of Kalyani
- 25. Seminars/ Conferences/Workshops organized & the source of funding
 - a) State / Regional : Nil
 - b) National : Nil
 - c) International : Nil

26. Student profile programme /course wise :

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage	Pass out
			*M	*F		Year
B.SC. (HONS)	<u> </u>	I		I		
(for last 4 Acad. Years)						
• 2009 -10	473	25	06	05	100%	2012
• 2010-11	522	25	16	09	89.47%	2013
• 2011-12	663	31	22	09	65.38%	2014
• 2012-13	766	33	15	17	100%	2015
B.A / B.SC. (GEN) (for last 4 Acad. Years)	(Morning see	ction)				
• 2009 -10	189	60	12	00	100%	2012
• 2010-11	201	70	26	02	80%	2013
• 2011-12	209	70	10	03	61.54%	2014
• 2012-13	228	80	31	05	87.50%	2015

*M = Male *F = Female

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. (Hons.)	100%	NIL	NIL
B.Sc. (Gen.)	100%	NIL	NIL

Year	NET	SET	GATE	ICMR-JRF
2015	-	-	01	-
2014	01	01	-	-
2013	04	01	-	-
2012	-	-	-	-
2011	-	-	01	-
2010	-	-	-	01
2009	01	-	-	-
2008	01	-	-	-

28. How many students have cleared national and state competitive examinations such as NET, SET, GATE, Civil services, Defense services, etc.?

29. Student progression*

Student progression	Against % enrolled
UG to PG	90 %
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
 Employed Campus selection Other than campus recruitment 	N.A.
Entrepreneurship/Self-employment	N.A.

* We have no record keeping machinery. All data are collected from student and are approximate data.

- 30. Details of Infrastructural facilities :
 - a) Library : Besides Central library there is one Departmental Library since 2000 containing more than 300 books.

b) Internet facilities for Staff & Students: The department has 02 desktops and 01 laptop with internet connection for both Staff and students.



Demonstration of internet accessing to 3rd year Hons. students

- c) Class rooms with ICT facility : NIL
- d) Laboratories :
- 03 laboratories (02 For Hons. & 01 for Gen. classes),
- 01 Museum & 01 Picture Gallery on Animal Diversity
- 01 Instrument Room containing Specialized Instruments for practical classes.
- 31. Number of students receiving financial assistance from college, university, Government or other agencies:

Session	Name of Student	Type of Scholarship	Amount of
		(from College for subject	Grant (Rs.)
		topper in the department)	
2013-	Uday Hossain	D.C. Basu Memorial	1000 + 1000
14		Prize & P.C.	
		Goswami Memorial	
		Prize	
2014-	Tania Dutta	D.C. Basu Memorial	1000 + 1000
15		Prize & P.C.	
		Goswami Memorial	
		Prize	

SC, ST, Minority and OBC students of this Department received financial assistance from the State Government.

- 32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts : **NIL**
- 33. Teaching methods adopted to improve student learning :
 - Students are taught through: regular lectures, Power Point Presentation, Audio –visual classes and different types of models and charts .
 - Special Remedial and tutorial classes are arranged after completion of the syllabus as far as practicable.
 - Constant evaluation through Class Tests .
 - Field tour every year with B.Sc. (Hons. & Gen.) students to extend their exposure to the Biodiversity of the country.
 - The teachers assess the academic progress of the students through one to one interactions. Teachers make personal contact sessions for advancement of the slow learners.
 - The teachers of the departments always identify and respond to special learning needs of advanced learners.
 - Meeting of faculty members are held at regular intervals for discussion of progression of syllabus and attendance and class response of the students.
 - Parent-Teacher meetings and consultations are held for all-round development of the students.



Practical Class of 3rd year Hons. students

- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities : Few students participate in NSS & NCC units of our college.
- 35. SWOC analysis of the department and Future plans

Strength:

- Students have shown commendable performance in University Examinations with many placed highly in the merit list.
- Good Laboratory infrastructure with sufficient number of microscopes and other instruments are available for practical classes.
- Well maintained animal museums with different animal phyla, along with a good number of histological, chromosomal and haematological slides.
- Students benefit from close interaction with the teachers.
- Special Remedial and Tutorial classes are arranged for students after completion of the syllabus.
- Class teaching is done by Audio –visual methods, Power Point presentation and using different types of models and charts.
- Supportive and friendly non-teaching staffs.
- There are sufficient animal system-models along with animal system charts for students for their practical class instead of practicing animal sacrificing or animal cruelty.
- The department boasts of enthusiastic, competent and dedicated teaching faculty.
- Good teacher student ratio.
- Departmental library with books of different disciplines meet the need of students and teachers.
- Department also has its own computer facility with internet connectivity for academic and administrative work.
- Strict discipline among students is maintained to ensure a healthy academic environment in the department.

Weakness:

- More space for teaching purposes is needed.
- Need for Journals, e-books and subscription of e-journals.
- Lack of fund for seminar/ workshop/summer-winter course for the students.

Opportunities :

• All round development of students through academic, extra-curricular activities, performing responsibilities towards society, study tours and excursions.

- Counseling of the students to face examinations, placement related challenges and to pursue higher studies.
- Consultation sessions for students to prepare them for public examination like NET, SET, SSC, etc.

Challenges :

- Though the time period is limited for (1+1+1) examination system and pressure of the syllabus faculty members are trying their level best for applying innovative teaching methods.
- In spite of lack in sufficient teaching and laboratory spaces arising for increasing number of seats over the years students are being accommodated successfully.

Future Plans:

- To provide further research facilities for students and teachers.
- Publication of papers of teachers with students in National/International journals.
- To seek fund from UGC for organizing seminar in future.
- To expand the department by introducing P.G. Degree Programme.
- To implement the proposal for advanced 18 months P.G. Diploma programme for Animal Husbandry and Applied Zoology.
- To establish a seminar room.
- Quality enhancement of UG teaching by regular updating of study materials and distributing it among the students before teaching a topic.
- To conduct workshops on various laboratory and field techniques.
- To organize student enrichment programmes with external experts.



Department celebrating Rabindranath Tagore's birthday



Freshers welcome in the department

Annexure- 1 to Dept. of Zoology

Dr. Sanat Kumar Ray :

List of Publications :

1. Sarkar, K and **Ray, S.K.**, A Critical Analysis on Status of Rearing of Different Silkworm Breeds At Farmers Level Of Nabagram Block In Murshidabad District of West Bengal. *Journal* of Entomology and Zoology Studies. ISSN 2320-7078 In Press 2015

2. Sarkar, K and **Ray, S.K.** A Critical Analysis On Status Of Rearing Of Different Silkworm Breeds At Farmers Level Of Nabagram Block In Murshidabad District Of West Bengal *Journal of Environment and Sociobiology*. ISSN 0973-0834 In Press 2015

3. Sarkar, K, Chattopadhyay, S.K, Baur, G and **Ray, S.K.** (2015) "Studies on Intercropping of Mulberry With *Amaranthus* Sp. and *Cajanus cajan*." Biodiversity, Conservation and Sustainable Development Issues and approaches Vol. 1. Chapter-12.pp 122-128.ISBN: 978-81-86772-75-1.

4. Sarkar, K, Bhattacharya, D.K, Chattopadhyay, S.K, Baur, G and **Ray, S.K.** (2012) Effect of Feeding of Different Maturity Level of Mulberry Leaves on the Commercial Characteristics of *Bombyx Mori* L. During Late Larval Stage in Dry Summer. Proceedings of the UGC Sponsored State Level Seminar on "Advancement of Biological Science towards sustainable Development", 2012, pp. 142-154.

5. Sarkar, K, Bhattacharya, D.K, Chattopadhyay, S.K, Baur, G and **Ray, S.K.** (2012) Effect of Water Treated Leaves on the Commercial Characteristics of *Bombyx Mori* L. During Dry Summer. Proceedings of the UGC Sponsored State Level Seminar on "Advancement of Biological Science towards sustainable Development", 2012:129-141.

6. Sarkar, K, Chattopadhyay, S.K, Baur, G and **Ray, S.K.** (2011) Effect of Earlier and Delayed Mounting Of Matured Larvae on The Commercial Characteristics of *Bombyx mori* L. Journal of Environment and Sociobiology ISSN 0973-0834 Vol. 8, No.2, 2011, pp.223-228.

7. Sarkar, K, Chattopadhyay, S.K, Baur, G and **Ray, S.K. (2011)** Effect of using banana leaves and aurum leaves as seat and cover of rearing tray on the commercial characteristics of Bombyx mori l. Journal of Environment and Sociobiology Vol. 8 No.2, pp 241-245. ISSN 0973-0834

<u>Kankana Basu</u>

List of Publication :

1. <u>Samir Mandal, Sudip Mukherjee, Kaustav Dutta Chowdhury, Avik Sarkar, Kankana</u> <u>Basu, Soumosish Paul, Debasish Karmakar, Mahasweta Chatterjee, Tuli Biswas, Gobinda</u>

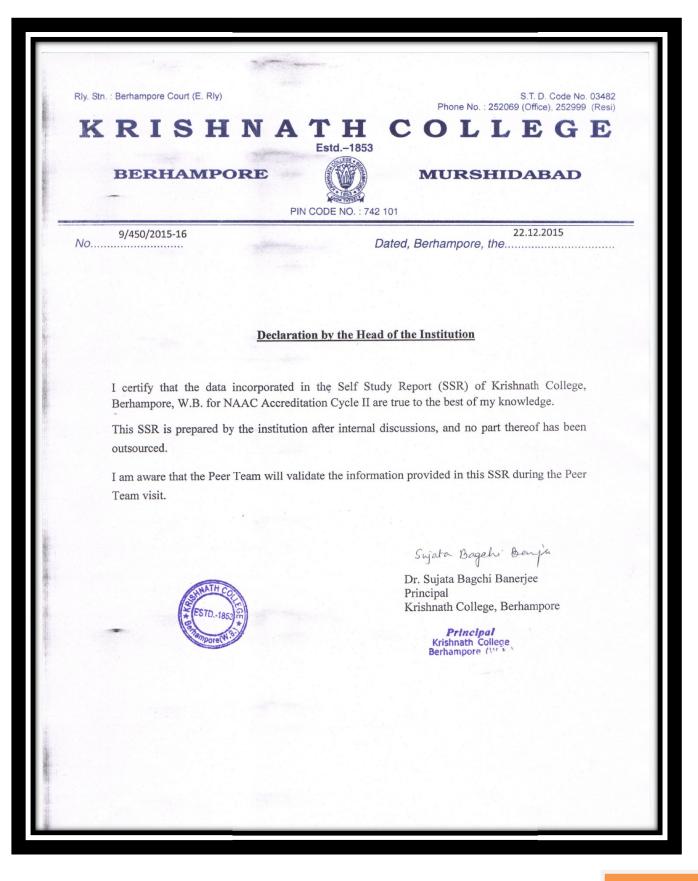
<u>Chandra Sadhukhan</u>, <u>Gargi Sen</u>S-allyl cysteine in combination with clotrimazole downregulates Fas induced apoptotic events in erythrocytes of mice exposed to lead. Biochim Biophys Acta 2012

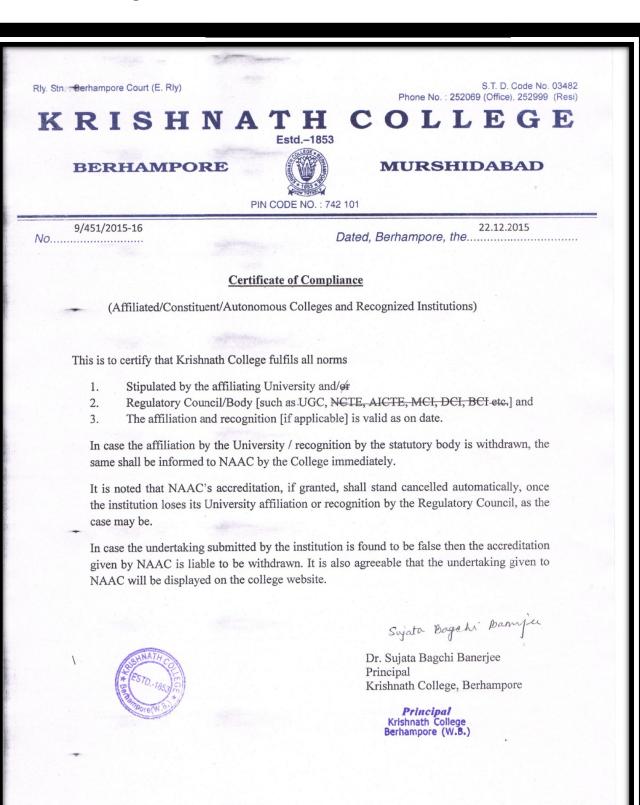
<u> Pranab Kumar Haldar</u>

List of Publication:

1.**Pranab K. Halder**, Deboki Naskar, Akash Kumar, Juming Yao, Subhas C. Kundu, Anindya S. Ghosh Potential Mode of Protection of Silkworm Pupae from Environmental Stress by Harboring the Bacterial Biofilm on the Surfaces of Silk Cocoons Current Microbiology ISSN: 0343-8651 (print version) ISSN: 1432-0991 (electronic version) Volume 70, Issue 2, pp 228-234 2015

2.Rakesh Chatterjee, **Pranab Kumar Halder**, Saumen Datta Identification and Molecular Characterization of YsaL (Ye3555): A Novel Negative Regulator of YsaN ATPase in Type Three Secretion System of Enteropathogenic Bacteria *Yersinia enterocolitica* PLoS ONE ISSN:1932-6203 (Electronic) ISSN:1932-6203 (Linking) DOI: 10.1371/ journal.pone.0075028, 2013





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ANNEXURE I

SSR 2015

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

Extension No. 414 (CPP-I Colleges) UGC Website: <u>www.ugc.ac.in</u> 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

September, 2015

The Principal, Krishnath College, Berhampore, District Murshidabad - 742 101, **West Bengal**

116 SEP 2015

Sub: - Recognition of Krishnath College, Berhampore, District Murshidabad - 742 101, West Bengal under Section 2(f) and 12(B) of the UGC Act, 1956.

Sir,

With reference to your letter dated 11.08.2015 on the above subject, I am directed to say that the name of Krishnath College, Berhampore, District Murshidabad - 742 101, West Bengal established in the year of 1858, affiliated to Kalyani University, Kalyani 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,

(Charan Dass) Under Secretary

ANNEXURE II

य मूल्यांकन एवं प्रत्यायन परिषद विश्वविद्यालय अनुदान आयोग का स्वयत्त संस्थान NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL An Autonomous Institution of the University Grants Commission Certificate of Accreditation The Executive Committee of the National Assessment and Accreditation Council on the recommendation of the duly appointed Peer Jeam is pleased to declare the Krishnath College Berhampore, Dist. Murshidabad, affiliated to University of Kalyani, West Bengal as Accredited with CSPA of 2.29 on four point scale at B grade Date : January 29, 2009 Director



EC/47/A & A/78

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ANNEXURE III

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ommunications are to be addressed to the Secretary by designation and not by name



By Speed Post

UNIVERSITY GRANTS COMMISSION EASTERN REGIONAL OFFICE LB 8 Sector III Salt Lake, Kolkata 700 098 Phone : (033) 2335 4767 Fax : (033) 2335 0586

Sanction No.222059

March, 2014

No.F.WK4-015/12-13 (ERO)

To The Principal/Teacher-in-Charge, Krishnath College Berhampore Murshidabad West Bengal 742101.

Sub: UGC Assistance to college during XII Plan- Regarding

Sir/Madam

As you are aware that the University Grants Commission during XII Plan period has integrated the Under Graduate Assistance and Merged Scheme and renamed it as <u>Plan Block</u> <u>Grant (PBG).</u> The allocation of XII plan PBG would be the allocation of XI Plan of Under Graduate Assistance (+) Merged Schemes minus the allocation made for Schemes viz (a) Remedial Coaching for SC/ST/OBC & Minorities (b) Coaching for NET for SC/ST/OBC & Minorities (c) Coaching for Entry in Services for SC/ST/OBC & Minorities (d) Equal Opportunity Centre in colleges (e) Higher Education for Persons with special needs (HEPSN). Accordingly the XII Plan allocation for your college works out to:

Rs.3850200/- (Head 35 Rs.3080160 + Head 31 Rs.770040).

During XII Plan period the Commission has decided to allocate funds for PBG into two broad categories namely Grants in Aid-Capital and Grants-In Aid-General. Further under XIIth Plan Block Grant each college is eligible for 80% of allocated grant for Capital Expenditure and 20% for General Expenditure.

The items that can be spent under the above categories are given below.

Head Grants In Aid-Capital Expenditure (Head 35) - 80%	Expenditure permitted to be incurred Buildings (not more than 50% of total grant allocated under PBG Head 35), Equipment, Books and Journals, Purchase of spares/repairs, Improvement of existing premises, etc., (Details given in XII Plan
Grants in Aid – General Expenditure (Head 31) – 20%	Guidelines) Contingency, Extension Activities, Field work/study tours etc., (Details are given in the XII Plan Guidelines)

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1

The guideline for the above scheme is available in UGC website <u>www.ugc.ac.in</u>. You are requested to submit the documents as per XII Plan guideline (ANNEXURE-I and ANNEXURE-II) and send to this office, duly signed by the Principal and forwarded by the affiliating University by 31.04.2014.

The allocation for Post Graduate Department is subject to the condition that it is an aided Department.

Any changes in allocation would be conveyed to you after approval from competent authority.

It may kindly be noted that all the required enclosures are to be attached, failing which the proposal would not be considered.

Yours faithfully

(Dr. Mohammad Arif) Joint Secretary

ANNEXURE IV

SSR 2015

University of Kalyani

Kalyani - 741 235, Nadia West Bengal Dr.Malay Kumar Samanta Registrar



Phone Off : 25828-750/ 25828378/ 25828293/ 25828478/ 25828889/ 25829356/25821254/ 25828477 Fax: 00-91-33-2582-2505 Phone :(Off.) : 00-91-33-25025762 E.mail : registrar@klyuniv@gmail.com registrar@klyuniv.ac.in

Dated :

Aff. cou/71/788/15 No.

TO WHOM IT MAY CONCERN

SI.No.	Name of the Course(s) and Duration	Affilia	tion	Period of validity
		Permanent	Temporary	for the year(s)
1	B.Sc Hons. in Physics - 3 years	~		
2	Bisc Hons. in Chemistry - 3years	~		
3	B.S. Hons. in Mathematics - 3years	V		
4	B.S. Hons. in Geography - 3 years	V		
5.	B.S. Hons. in Economics - 3 years	~		
6.	B.S. Hons. in Botony - 3 years	~		
7.	B.S. Huns. in Zoology - 3yean	V		
8.	B.Sc Hons. in Physiology - 3 years	~		
9.	B.SL (Major) in Sericulture - 3 years	V	1	4
10.	M.S. in Sericulture - 2 years	V		
11.	M.S. in Physiology - 2 year	V		

NOIS 04 REGISTRAR

REGISTRAR University of Kalyani Kalyani, Nadia-741235 West Bengal

My Computer//MSOffice//MSWord/G:Registrar//PCB//2015-16

SSR 2015

Kalyani - 741 235, Nadia West Bengal Dr. Malay Kumar Samanta Registrar

No. RPS/AH. Cou/71/788/15



University of Kalyani Phone Off: 25828-750/ 25828378/ 25828478/ 2582889/ 25828293/ 25828478/ 25828889/ 25829356/25821254/ 25828477 Fax: 00-91-33-2582-2505 Phone :(Off.) : 00-91-33-25025762 E.mail : registrarklyuniv@gmail.com registrar@klyuniv.ac.in

Dated :

TO WHOM IT MAY CONCERN

Krishnath College of Sahid Surya Sen Road, Berhampore, MsD.

was established in 01.11.1853 and was affiliated to Calcutta University in Since inception and recognized by the University Grants Commission under section 2 (f) & 12B. Since 1999 the College was brought under affiliation of the Kalyani University (Assent of the Governor was first published in the Callcutta Gazeette, Extraordinary, of the 5th February, 1999) and the following Courses/ Subjects are taught in the said college as per approval.

SI.No.	Name of the Course(s) and Duration	Affilia	Affiliation	
01.110.		Permanent	Temporary	for the year(s)
1	B.A. Hons. in Bengali - 3 years	~		
2	B.A. Hons. in English - 3 year	V		
3	B.A. Hons. in Sanskrit - 3 years	\checkmark		
4	B.A. Hons. in History - 3 years	\checkmark		
5.	B.A. Hons. in Philosophy - 3 years	~		
6.	B.A. Hons. in Pol-Science - 3 years	\checkmark		
7.	B.A. Hons. in Economics - 3 years	~		
8.	B.A (Major) in Travel & Tourism (3 read) Management	~		
9.	B.A (General) - 3 years	~		
10.	M.A in Sanskouit - 2 years	\checkmark		
11.	يوني .			

au rois REGISTRAR 04

REGISTRAR University of Kalyani Kalyani, Nadia-741235 West Bengal

My Computer//MSOffice//MSWord/G:Registrar//PCB//2015-16

Praktani, Krishnath College

Berhampore * Murshidabad * W.B. 742101 * Mob. 9434888489

Website	: www.praktanikncollege.com
Face book Page	: Praktani K.N College
E-Mail ID	: kncollegepraktani@gmail.com

History:

Krishnath College, one of the oldest institutions of higher education in West Bengal, was founded in 1853 to cater to the needs of students of this part of the country. But, the necessity of having the Alumni Association of the college was not conceived of until 1999, when some of the teaching and non-teaching employees of this college who were Alumni of this institution desired that the Alumni of this college be a part of the celebration of the sesquicentennial anniversary of the college. In a largely attended meeting held on 8th August, 1999 with Dr. S.N. Kundu, president of the Governing Body of Krishnath College as well as its alumnus on the chair, the process of preparation of the alumni association of Krishnath College started.

CONSTITUTION OF THE ALUMNI ASSOCIATION

- i) Name of the Alumni Association
- ii) Address

PRAKTANI, KRISHNATH COLLEGI	Ε
Krishnath College	
P.OBerhampore	
DistMurshidabad	
Pin742101 (W.B.)	

iii) Vision & Mission

- a) To promote and foster mutually beneficial interaction between the Alumni and the present students, teachers and non-teaching staff, and amongst the Alumni themselves;
- b) To encourage the Alumni to arrange seminar, debates, sports, cultural functions with a view to taking an active and abiding interest in the work and progress of

Krishnath College and thereby to contribute towards the enhancement of the social utility of their Alma Mater;

- c) To publish an annual journal enriched with the writings of our respected alumni of the college and writings on different issues relating to their Alma Mater;
- d) To produce a directory of the alumni members;
- e) To make contacts with other alumni associations;
- f) To help in various developmental activities of the Alma Mater;
- g) To relieve local people affected by natural disasters, and social unrest.
- h) To extend help to alumni members in distress.

i) To provide financial assistance to the poor and meritorious students of this college. iv) Membership:

Any person having spent one session in the college either as a student or an employee is eligible for membership.

- v) Format of the Executive Committee :
- a) Members of this alumni association shall elect members of the working committee for a period of three years.
- b) There shall be forty members in the committee comprising of one President, one working President, two Vice-presidents, one Secretary, three Joint-Secretaries, three Assistant Secretaries, one Treasurer, one Office Secretary and twenty seven ordinary members. An Auditor shall be appointed annually to audit the accounts of the Association.
- c) There shall be two sets of electorates. One set of electorates shall comprise of alumni of six decades preceding the year of election while the other set of electorates shall comprise of past and present teaching and non-teaching staff of K.N. College.

Eighteen working committee members, taking not more than three from each decade preceding the year of election, shall be elected from amongst the alumni and eight members of whom, at least one shall be from non-teaching staff, shall be elected from the past and present staff of the college. The Principal of the college shall be the President of the working committee.

Within 10 days after the election results are published the new working committee shall co-opt ten members from among members irrespective of their electorate status. Half of these co-opted members shall be from among the life members and one of them shall be an women alumnus.

PRESENT OFFICE-BEARERS OF THE ASSOCIATION:

President – The Principal, K.N. College

Working President - Prof. Purnendu Sen.

Vice-Presidents - Prof. Sujit Bhattacharjee.

Sri Himadri Narayan Saha.

Secretary – Sri Debajyoti Biswas.

Jt. Secretaries : i) Sri Nirmal Sarkar, ii) Sri Gopal Banerjee, iii) Sri Sanat Roy.

Assistant Secretaries : i) Sri Apurba Kumar Saha, ii) Sri Kashinath Das, iii) Smt. Bipasa Das.

Treasurer : Sri Debashis Sengupta.

Office Secretary : Dr. Parthasakha Basu.

ACTIVITIES & ACHIEVEMENTS

- a) The E.C. of the Prakatni selects an advisory board from among its distinguished members and meets this body before the annual general meeting.
- b) PRAKTANI, K.N. College has succeeded in establishing links with alumni of the college settled in different parts of India and abroad. A directory of about 400 alumni members has already been published in 2007.
- c) 'PRAKTANI' the annual journal & the official mouthpiece of the association is brought out on the occasion of Annual General Meeting.
- d) Seminars, debates, and cultural functions are arranged every year in the presence of alumni, present students and local people. The Alumni Association felicitated Dr. Sujit Bose, the then Vice-Chancellor of VISWA BHARATI, Dr. Karunasindhu Das, Vice-Chancellor of Rabindra Bharati University, Dr. Phulan Prosad, Professor in Mathematics Indian Institution of Science, FNA & Bhatnagar award winner, and Sri Anupam Baral, M.D. of Geetanjali Solar Enterprise and winner of the Prime Minister's Award for successful entrepreneur in Science and Technology. Dr. Das, Dr. Prosad & Dr. Baral are members of the Alumni Association (PRAKTANI)

DISTINGUISHED ALUMNI

The alumni of the college comprising of highly successful teachers, engineers, scientists, lawyers, politicians, and business people form a potent force to reckon with at various

institutions and organisations all over the world. So it is an onerous task to pick out only a few of them. However, an effort is made here to present a list covering personalities from diverse walks of life and having direct and active links with the Association. The names are detailed below :

1.	Dr. Dipti Kumar Chattoraj	Ex-Director
2.	Dr. Dulal Chandra Mukherjee	Ex-Professor, Department of Chemistry, Calcutta University.
3.	Dr. Karuna Sindhu Das	Ex-Vice-Chancellor, Rabindra Bharati Biswabidyalaya
4.	Sri Asok Dasgupta,	Editor, "AJKAL" (A Daily Newspaper)
5.	Dr. Brindaban Ranu	Ex-Head of the Deptt. of Organic Chemistry, Indian Institute of Cultivation of Science, Jadavpur
6.	Samarendra Nag,	Proprietor of Bengal Shelter, a real – estate Enterprise
7.	Amar Nath Roy	Professor of Physics, Cancus University, USA
8.	Paramita Mal	Associate Consultant, T.C.S.
9.	Dr. Samiran Chakraborty	Director Vedic Society of Eastern India
10.	Anupam Baral,	Managing Director, Geetanjali Solar Enterprise
11.	Swami Achyutananda	Religious Preacher, Ramkrishna Mission, Belur Math
12.	Aswini Ghosh	Professor, Indian Association for Cultivation of Science, Jadavpur
13.	Prof. Tarun Kanti Mukherjee	H.O.D., Bengali Department of Calcutta University
14.	Prof Monojit Pal	H.O.D., Chemistry Department of Hyderabad Central University
15.	Dr. Sanjib Bhattacharyya	Deputy Laboratory Director, winner of "Emerging Leader Award" Milwaukee Health Department, USA.
16.	Dr. Soumitra Bhaduri	Professor, Madras School of Economics
17.	Dr. Provat Dutta	Centenary Professor of Public Finance, University of Calcutta
18.	Dr. Rajib Goswami	Professor, Department of Chemistry, Indian Institute of
L		

		Cultivation of Science, Jadavpur
19	9. Dr. Sampad Mukherjee	Professor, I.I.ST., Shibpur
20). Debdutta Biswas	Deputy Manager, I.O.C.L.

KOLKATA CHAPTER

As per the constitution members of K.N. College residing in and around Kolkata formed 'K. N. College Alumni Association Kolkata Chapter' in 2003. Beside organinising seminars, cultural functions and picnics K.N.C.A.A. Kolkata Chapter often invites Alumni Associations of other reputed colleges and discusses matters related to mutual interest. Such exchange of ideas helps in the growth and development of the Association.

OFFICE BEARS OF KOLKATA CHAPTER :

President: Sri Sudeb Roy

Vice-President : Sri Moloy Sengupta, Mihir Sen, Brindaban Ranu

Secretary : Sri Panchanan Saha

Jt. Secretary : Sri Tarunmohon Chakraborty

Treasurer: Sri Manjugapal Biswas

A LIST OF PRAKTANI'S RECENT ACTIVITIES (2011 - 2015) IN A NUTSHELL

- Arranging seminars on different topics by distinguished personalities.
- Celebrating 150th Birth anniversary of Maharaja Manindra Chandra Nandi.
- Celebrating 150th Birth anniversary of Renaissance man Ramendra Sundar Trivedi.
- Donating books to various departmental libraries.
- Awarding different memorial prizes to successful students.
- Inspiring students by arranging different inspiring camps.
- Arranging cultural competitions among students.
- Directly helping (financially) poor & meritorious students.
- Felicitating distinguished teachers and Ex-Students of this College.
- Helping College to form a Medical Camp for students of our College by providing Doctors (one of our Alumuni member) and necessary equipments.

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SEMINARS ORGANISED BY PRAKTANI, K.N. COLLEGE



Date & Year	Subject	Speaker
08-01-2011	Green Chemistry	Dr. Brindaban Ranu
00-01-2011	Green Chemistry	(Retd. Prof. Cultivation of Science)
	Kadambini Gangopadhyay - Ray of	Prof. Chitrarekha Gupta
08-10-2011	Light for Women – Emancipation	(Ex- H.O.D. Archaeology Department, Calcutta University)
	A charges Drafullachandra Dorr A	Ex- Prof. Dr. Dulalchandra Mukhopadhyay
	Acharya Prafullachandra Roy – A Devoted Life	(Ex-Professor, Department of Chemistry, Calcutta University)
	Rabindranath Thakur & Swami	Debanjan Sengupta
06-10-2012	Vivekananda	Doctor & Renowned Essayist
		Dr. Pranab Roy
14-12-2013	Microbial Biodiversity of Arctic Region	(Department of Biotechnology, Haldia Institute of Biotechnology)
00.10.0014		Prof. Sudhir Chakrabaty
03-12-2014	Student – Teacher Relationship	Renowned Essayist

PRAKTANI K.N. COLLEGE CELEBRATES

<u> 150 Year – Birth anniversary of Maharaja Manindra</u> <u>Chandra Nandi</u>

alongwith Other Institutions, 2011





The Statue of Mahararaja Manindra Chandra Nandi was garlanded by 1) Eminent Educationist Sri Bijoy Bandyopadhyay, 2) Dr. Parthasakha Basu, Secretary, Praktani K.N. College, 3) Dr. Somesh Roy, Principal K.N. College & 4) Sri Sukesh Bhowmick, Headmaster, Krishnath College School.



A Souvenir about Maharaja Manindra Chandra Nandi was published by Sri Bijoy Bandyopadhyay

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Celebration of 150 Year - Birth Anniversary of Maharaja Manindra Chandra Nandi





Prof. Dr. Jahar Sen (Praktani K.N. College), Chairman of Berhmapore Municipality Sri Nilratan Adhaya & Eminent Lawyear Sri Swadhin Sanayal Speaking on this Occasion

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PRAKTANI, K.N. COLLEGE CELEBRATES

<u>150 Year – Birth anniversary of Acharya Ramendra Sundar</u> <u>Trivedi</u>

alongwith Alumni Association Krishnath College School, 15th September, 2013



A rally jointly Organised by Praktani K.N. College & Alumni Association Krishnath College School on this Occasion.



Principal Dr. Somesh Ray, K.N. College & Ramaprasad Bhaskar, Praktani K.N. College address on this occasion

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Different types of Cultural Competitions among the students were arranged by us.















PRAKTANI TAKES DIFFERENT MEASURES FOR STUDENT WELFARE

- 1. Praktani donated several books in departmental Libraries of various Departments.
- 2. Praktani directly assisted needy students financially.
- 3. The family members of our distinguish Praktani, Late Tarun Kanti Sen donated ` 50,000/- for the development of departmental library of Physics Department.

□ During the last four years Praktani donated books worth almost ` 90,000/-(including ` 50,000/- donated by Late Tarun Kanti Sen's family) in several departmental libraries.

Name of Books	Name of Author
Organic Chemistry	Solomons
Stereochemistry of Organic Chemistry	D Nasipuri
Basic Stereochemistry of Organic Molecule (2 Copies)	Subrata Sengupta
Organic Chemistry	Loudon
Spectroscopy	Lampman
General Inorganic Chemistry	R. Sarkar
Chemical Application of Group Theory	F.Albert Colton
Advanced Inorganic Chemistry	Colton/Welkenson
Qualitative Inorganic Analysis	G.N Mukherjee
	Organic Chemistry Stereochemistry of Organic Chemistry Basic Stereochemistry of Organic Molecule (2 Copies) Organic Chemistry Spectroscopy General Inorganic Chemistry Chemical Application of Group Theory Advanced Inorganic Chemistry

10.	Bio Organic Chemistry	Ashim Kumar Das	
11.	A Text book of Physical Chemistry(Volume-I,II,III and IV)	R.L Kapur	
12.	Problems of Physical Chemistry	Pahari and Pahari	
13.	Fundamentals of Statistical Mechanics		
14.	Fundamentals of Molecular Spectroscopy	Banwell	
15.	Quantum Chemistry	R.K Prosad	
16.	Quantum Chemistry	N. Levine	
17.	Physical Chemistry	Castellon	
18	Organic Synthesis	Stuart Warren	
19	Stereo Chemistry or Organic Compound	D Nasipuri	
20	A Guide Book to mechanism in organic Chemistry	Peter Sykes	
21	Organic Spectroscopy	William Kemp	
22	Spectroscopy of organic compound	P.S.Kalsi	
23	Organic Chemistry (Vol-II)	I.L. Finar	
24	Application of Redox in Organic synthesis (Vol-I)	Dr. R.K. Kar	
25	Fundamentals of organic synthesis-The Retrosynthetic analysis	Dr. R.K. Kar	
26	Organic Chemistry	G Marc, Loudon	
27	Physical Chemistry (Vol-I + II)	Hrishikesh Chatterjee	
28	Essentials of Physical Chemistry	A.Bhal,B.S.Bhal and Tuli	
29	Organometalic Chemistry	R.C. Mehrotra and A Singha	
30	Inorganic Chemistry	D. Banerjee	
31	Fundamental Concept of inorganic Chemistry(Vol-I & II)	A.K. Das	
32	Inorganic Chemistry	Huheey,Keiter,Keiter	

33	Inorganic Chemistry(Vol-I+II)	R.L Dutta
34	Handbook of inorganic chemistry	G.N Mukherjee
35	General Inorganic Chemistry (Part II)	R Sarkar
36	Advanced inorganic chemistry (Vol-II)	Satyaprakash,Madan, Tuli
37	Concepts Inorganic Chemistry	J.D.Lee

Books Donated by Praktani to Mathematics Departmental Library					
SI. No.	Name of Books	Name of Author			
1	Higher Algebra	S.K.Mapa			
2	Metric Space	Joydeep Sengupta			
3	Linear Algebra(A Geometrical approach)	S.K.Sen			
4	Advanced Analytical Statistic	S.Mondal			
5	Linear Algebra	K.H Ray			
6	Mathematical Statistics	S.K Dey and S Sen			
7	Hydro Static's	S .K Sanyal and K Das			
8	Introduction to Real analysis	S.K Mapa			
9	Higher Algebra (Abstract and Linear)	S.K Mapa			
10	Application of Calculus	Bandhopadhay, Maity			
11	Linear Programing with Game Theory				
12	Nemerical Methods & Computer Programming in Fortuan & C				

	Books Donated by Praktani to Physics Departmental Library				
SI. No.	Name of Books	Name of Author			

1	Thermal & Statistical Physics	
2	Concept of Modern Physics	A. Beiser
3	Vector Analysis	M.R. Spiegal
4	Classical Mechanics	Rana & Joag
5	Classical Mechanics	Goldstern, Pool

	Books Donated by Praktani to Zoology Departmental Library					
Sl. No.	Name of Books	Name of Author				
1	Introduction to General Zoology (Vo.I – I & II)	Chaki, Kundu & Sarkar				
2	Cell Biology, Genetics, Molecular Biology Evolution & Ecology	Dr. P.S. Verma & Dr. V.K. Agarwal				
3	Invertebrate Zoology	E.L. Jordan, Dr. P.S. Verma				
4	Biology of Animals	Adhakary & Sinha				
5	Statistical Method	N.G. Das				
6	Human Physiology (VolII)	Dr. C.C. Chatterjeee				



Smt Sukla Sen (Wife of Late Sri Tarun Kanti Sen handed over a Cheque of ` 50,000/- to Prof. Krishnakali Basu Roy (H.O.D. Physics Deptt.)



Praktani handed over books to Prof. Arijit Dey (Chemistry Deptt.)



Praktani handed over books to Prof. Abhijit Banerjee (Mathematics Deptt.)



Praktani handed over books to Prof. Sanat Roy (Zoology Deptt.)



Praktani donated ` 5,000/- to Priyanka Sil for her future Education



Praktani donated ` 10,000/- to Biplab Pal for his Admission in IIT, Kanpur

Apart from those, Praktani distributed a fund of `12,000/- (approx) as Examination fee to 40 (forty) needy students (approx `300/- each)

Some of our Publication since 2011



PRAKTANIT INSPIRED STUDENTS FOR EVERY SUCCESS OF THEIR LIFE

- 1. Praktani awarded successful students by various Memorial Prizes.
- 2. Praktani arranged inspiring Camps for students of different Departments.

PRIZE GIVEN BY THE PRAKTANI

51. No.	Name of the Prize	Category	Recipient	Amount (`)	Tenure
1.	Prof. Sushil Kr. Sen Memorial Prize	1 st in the College	a) Sajjad Hossain b) Ali Haidyer c) Barun Ghosh d) Riya Dey	4,000/- (1,000/- each)	2011 - 2014
2.	Ipsita Gupta Memorial Prize	I st in the College among Female Students	a) Debodyouti Mukherjee b) Tanima Biswas c) Sharmistha Guha Roy d) Riya Dey	4,000/- (1,000/- each)	2011 - 2014
3.	Debashree Biswas (Roy) Memorial Prize	I st in the College among Students	a) Sajjad Hossain	4,000/-	2011 - 2014

S1. No.	Name of the Prize	Category	Recipient	Amount (`)	Tenure
		of Pure Science	b) Ali Haidyer c) Barun Ghosh d) Riya Dey a) Hasina Parveen	(1,000/- each)	
4.	Debashree Biswas (Roy) Memorial Prize	I st in the College among Students of Pure Arts	b) Sontosh Mondal	4,000/- (1,000/- each)	2011 - 2014
5.	Punyaketu Biswas Memorial Prize	L st in the College among Students of B.Sc. Bio.	a) Puja Pal b) Golam Ambia c) Sharmistha Guha Roy d) Uday Hossain	4,000/- (1,000/- each)	2011 - 2014
6.	Aswini Ghatak Memorial Prize	I st in the Colleg∉ among Students of Physics	a) Samarendra Nath Saha b) Rajibul Sk. c) Barun Ghosh d) Riya Dey	4,000/- (1,000/- each)	2011 - 2014
7.		I st in the College among Students of Chemistry	1.) Tamima Diasaaa	4,000/- (1,000/- each)	2011 - 2014
8.	Sudhin Sen Memorial Prize	I st in the College among Students of Mathematics		4,000/- (1,000/- each)	2011 - 2014

S1. No.	Name of the Prize	Category	Recipient	Amount (`)	Tenure
9.	Sudhin Sen Memorial Prize	l⁵t in the Colleg∉ among Students of Bengali	~))	4,000/- (1,000/- each)	2011 - 2014
10.	Banshibadan Das Memorial Prize	I st in the College among Students of Botany		4,000/- (1,000/- each)	2011 - 2014
11.	Haripriya Das Memorial Prize	I st in the College among Students of Bengali	a) Jamir Sk. b) Tasminara Khatun c) Tapasi Dey	3,000/- (1,000/- each)	2012 - 2014
12.	Nrishinghachandra Memorial Prize	I st in the College among Students of History		4,000/- (1,000/- each)	2011 - 2014
13.	Khondekar Ali Reza Memorial Prize	I st in the College among Students of Geography	a) Souvik Sarkar b) Basundhara Mondal c) Lopamudra Rakshit	3,000/- (1,000/- each)	2012 - 2014
14.	Bazlulnesha Bibi Memorial Prize	I st in the College among Students of English		3,000/- (1,000/- each)	2012 - 2014
15.	Sachindranath Ghosh Shastri Memorial Prize	l st in the College among Students of Sanskrit	••) = =••• = • • • • • • •	4,000/- (1,000/- each)	2011 - 2014

S1. No.	Name of the Prize	Category	Recipient	Amount (`)	Tenure
			c) Ashim Halder d) Santanu Das		
16.	Aparna Bakshi & Nikhil Bakshi Memorial Prize	I st in the College among Students of Philosophy		1,000/- (1,000/- each)	2014
17.		l st in the College among Students of B.Sc. (Pass)	a) Priyanka Sarma b) Sampa Roy	2,000/- (1,000/- each)	2010 - 2011

PRAKTANI ARRANGED TWO INSPIRING CAMPS FOR THE STUDENTS OF PHYSICS & CHEMISTRY

- A. In the last week of March, 2014 Praktani arranged Inspiring Camp for the students of Physics Department of this College.
- B. Dr. Mohonlal Chottopadhyay (Praktani K.N. College & Ex- Prof. of **"Saha Institute of Nuclear Physics"**) was the speaker.
- C. On 15 September, 2014 Praktani arranged another Inspiring Camp for the students of Chemistry Department of this College with the help of Chemistry Department of this College.
- D. Dr. Dulalchandra Mukhopadhyay (Praktani K.N. College & **Ex- Prof. Calcutta University**) and Debodyuti Mukhopadhyay (Praktani K.N. College & Research **Fellow IIS Benglore**) spoke on this occasion.





Inspiring Camp Organised by Praktani K.N. College with the help of Chemistry Department



OUR FUTURE PLAN IS TO DONATE BOOKS WORTH ` 1,00,000/- TO VARIOUS DEPARTMENTAL LIBRARIES

SOCIAL ACTIVITIES OF PRAKTANIT K.N. COLLEGE

Praktani Organised Flood Relief Camp in the Flood effected area of Murshidabad District



Complied by Sri Apurba Kumar Saha, Assistant Secretary, Praktani K.N. College.