

ANNUAL REPORT

For the Year **2015-16**



ENLIGHTENMENT TO PERFECTION

UNIVERSITY OF NORTH BENGAL

Accredited by NAAC with Grade A

Raja Rammohunpur, P.O. NBU

Dist. Darjeeling, West Bengal, PIN 734013



ANNUAL REPORT

2015-2016



UNIVERSITY OF NORTH BENGAL

Raja Rammohunpur

Dt. Darjeeling

PIN - 734013



FROM THE DESK OF THE DEVELOPMENT OFFICER

Welcome to the Annual Report 2015-2016.

The publication of the Annual Report is not a statutory requirement only. It is a humble step towards acquainting the stake holders of the University about the University Programmes.

Today the role of the University is not merely to become an agency for dissemination of knowledge and information but it has a higher role to play to guide the nation to achieve excellence. Thus, the report is an opportunity to assess our strengths and weaknesses and a platform to showcase our future endeavours. It is the embodiment of collective efforts for the realization of our cherished goals.

I wish to thank Sri Indraneel Roy, Assistant Superintendent, University Press and members of his staff for extending full co-operation in publishing this report.

Dr. Minakshi Chakraborty
Development Officer

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

OUR VICE CHANCELLORS & THEIR TENURE IN OFFICE



ENLIGHTENMENT TO PERFECTION

1. Professor B.N. Dasgupta	1 st June, 1962 to 31 st May, 1966
2. Professor A. C. Roy	1 st June, 1966 to 31 st May, 1970
3. Professor P. C. Mukherjee	1 st June, 1970 to 7 th November, 1974
4. Professor A. Dutta	8 th Nov., 1974 to 18 th April, 1977
5. Professor P. K. Ghosh	21 st Nov., 1977 to 18 th April, 1982
6. Professor S. N. Sen (Acting)	19 th April, 1982 to 9 th Sept., 1982
7. Professor D. B. Dutta	15 th Sept., 1982 to 31 st August, 1988
8. Professor K.N. Chatterjee	1 st Sept., 1988 to 31 st Dec., 1995
9. Professor R. G. Mukherjee	1 st Jan., 1996 to 31 st Dec., 1999
10. Professor P. K. Saha	1 st Jan., 2000 to 31 st Dec, 2007
11. Professor A. Basumajumdar	1 st Jan., 2008 to 31 st March, 2012
12. Professor Samir Kumar Das	1 st April., 2012 to 10 th February, 2014
13. Professor Somnath Ghosh	11 th February, 2014 continue..

As on 31st March 2016

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

Dr. Subires Bhattacharyya
M.Sc., Ph.D.
Vice-Chancellor
University of North Bengal



UNIVERSITY OF NORTH BENGAL
Accredited by NAAC with Grade A
Website: <http://www.nbu.ac.in>
E-mail: nbuvc@nbu.ac.in
subires.bhattacharyya@gmail.com

Raja Rammohunpur, P.O. North Bengal University, Dt. Darjeeling, West Bengal, India, PIN - 734 013
Phone : (0353) 2776 366 (O), (0353) 2776 308 (R) Fax : (0353) 2699 001

FOREWORD

It gives me immense pleasure to introduce the Annual report 2015-2016 of the University of North Bengal. I am honored to be part of a new era of excellence for the University and I look forward to serving the University, particularly in driving an even closer relationship with the communities and stakeholders of this august institution. This Annual Report serves as a reminder of the University's success and outlines the promise of many more achievements yet to come.

We all know that education has the power to transform lives at any and every age. The Annual Report depicts the University's core research mission through the publication and dissemination of evidence-based, factual enquiry and empiricism. Our faculties are leaders in their fields, and their impact can be felt in three main ways: They connect with the world around them, they innovate in areas of research, and they inspire others to reach new heights.

The Report provides examples which demonstrate that ultimately, all our work is directed towards changing lives, and helping students and other stakeholders to achieve their full potential. We are driving for better educational opportunities for students, through the increased use of technology, and taking measures to continue to increase and consolidate the position of this university in the educational landscape of the country. All of these required increased and renewed efforts, a strong commitment to improve data collection and analysis, accountability frameworks for leaders, and established responsibilities for all stakeholders. I am, therefore, expressing my heartfelt gratitude and sincere thanks to all of them.

We know that success is founded on partnership and I am happy that the whole community of the University is striving to achieve the maximum impact with the resources entrusted to us. The aspirations and actions set in motion this year will influence generations to come.

Dr. Subires Bhattacharyya
Vice-Chancellor
University of North Bengal

Best Regards,
Place: Raja Rammohunpur
Dated: 29/6/18

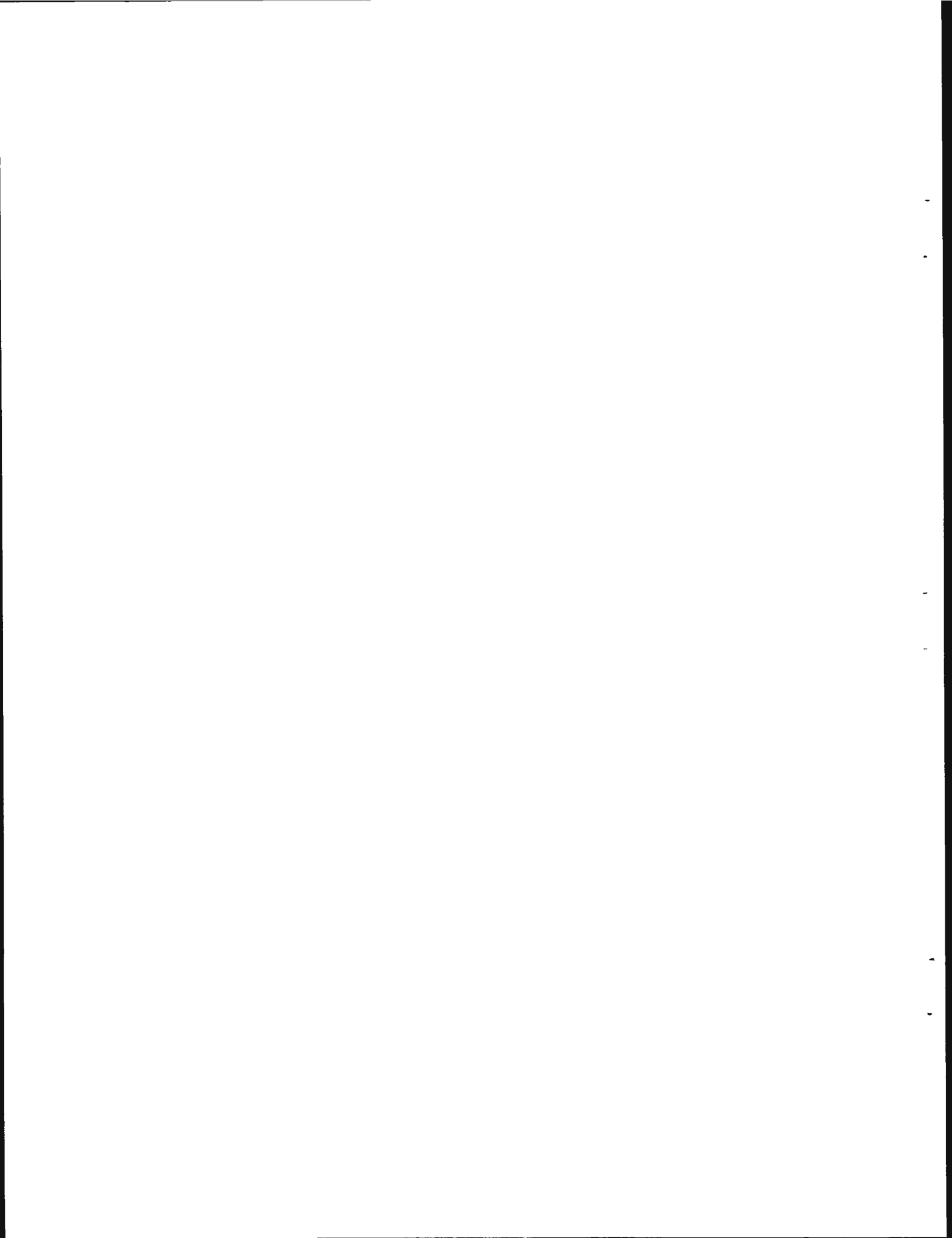
-
-
-
-
-
-

LIST OF OFFICERS' FOR THE YEAR 2015-2016

(AS ON 31.03.2016)

Sl. No.	Name of the Officers	Designation of the Officers
1.	Pradip Kumar Ghosh	Finance Officer
2.	Dr. Subrata Sanyal	Inspector of Colleges
3.	Dr. Susanta Das	Controller of Examinations
4.	Dr. Swapan Kumar Rakshit	Deputy Registrar
5.	Dr. Sukhendra Narayan Saha	Audit & Accounts Officer
6.	Dr. Minakshi Chakraborty	Development Officer
7.	Sri Brindaban Karmakar	Jt. Librarian
8.	Dr. Abhijeet Deb	Secretary, Faculty Council for Post. Graduate Studies in Arts, Commerce & Law
9.	Dr. Nupur Das	Secretary, Councils for Under Graduate Studies
10.	Dr. Debasis Dutta	Deputy Controller of Examinations
11.	Sri Gautam Sarkar	Tech. Officer-II
12.	Dr. Samir Kumar Sarkar	Jt. Scientific Reserch Officer Gr. II
13.	Dr. Arunava Bhadra	Sr. Reserch Physicist
14.	Sri Binod Kumar	Assistant Engineer (Electrical)
15.	Sri Ajay Misra	Documentation Officer
16.	Dr. Biswajit Chatterjee	Secretary to the Vice-Chancellor
17.	Sri Subhrangsu Kr. Mistri	Assistant Librarian
18.	Sri Santanu Chanda	Assistant Librarian
19.	Dr. Joydeep Biswas	Assistant Controller of Examination
20.	Dr. Rahul Majumdar	Asst. Registrar
21.	Sri Surajit Das	Accounts Officer
22.	Sri Kamala Kanta Ghosh	Estate Officer
23.	Sri Arindam Mukherjee	Research Officer
24.	Sri Manash Esh	Information Scientist
25.	Sri Tamal Sarkar	Tech. Officer (I)

Compiled by Registrar Branch



CONTENTS

CHAPTER – I

GENERAL

<i>The University and its Mission</i>	1
<i>Chancellor, Vice-Chancellor, Deans</i>	1
<i>The Notable Activities</i>	2
<i>Table I, Enrolment of Students of UG Level</i>	5
<i>Table II, Enrolment of SC/ST Students of UG Level</i>	5
<i>Table III, Enrolment of Students of PG Level</i>	6
<i>Table IV, Enrolment of SC/ST Students of PG Level</i>	6

CHAPTER – II

POST-GRADUATE TEACHING DEPARTMENTS:

SCIENCE:

<i>Anthropology</i>	7
<i>Bio-technology</i>	13
<i>Botany & Bioinformatics Facility</i>	21
<i>Chemistry</i>	31
<i>Computer Science & Application</i>	42
<i>Geography & Applied Geography</i>	48
<i>Mathematics</i>	55
<i>Microbiology</i>	60
<i>Physics</i>	62
<i>Tea Science</i>	67
<i>Zoology</i>	73

ARTS, COMMERCE & LAW:

<i>Bengali</i>	81
<i>Commerce</i>	86
<i>Economics</i>	90
<i>English</i>	97
<i>Hindi</i>	99
<i>History</i>	103
<i>Law</i>	108
<i>Library & Information Science</i>	115

<i>Lifelong Learning & Extension</i>	117
<i>Management</i>	119
<i>Mass Communication</i>	122
<i>Nepali</i>	123
<i>Philosophy</i>	126
<i>Political Science</i>	132
<i>Sociology</i>	134

CHAPTER – III

RESEARCH CENTERS

<i>Centre for Himalayan Studies</i>	139
<i>Centre for Women's Studies</i>	143
<i>High Energy & Cosmic Ray Research Centre</i>	154
<i>Center of Floriculture & Agri-Business Management (COFAM)</i>	156
<i>Centre for Studies in Local Languages and Cultures</i>	163

CHAPTER – IV

UGC SPONSORED CENTRES

<i>Internal Quality Assurance Cell (IQAC)</i>	165
--	-----

CHAPTER – V

CENTRAL SERVICES

<i>Akshay Kumar Maitreya Museum</i>	167
<i>Computer Centre</i>	170
<i>Engineering Department</i>	172
<i>University Library</i>	173
<i>University Science & Instrumentation Centre (USIC)</i>	176
<i>University Press</i>	179

CHAPTER – VI

SERVICES AND AMENITIES

<i>Basic Facilities for Women</i>	183
<i>Centre for Differently Abled Persons</i>	184
<i>Day Care Centre</i>	186
<i>Coaching for SC/ST Students National Eligibility Test (NET)</i>	187

CHAPTER – XIII
AFFILIATED COLLEGES

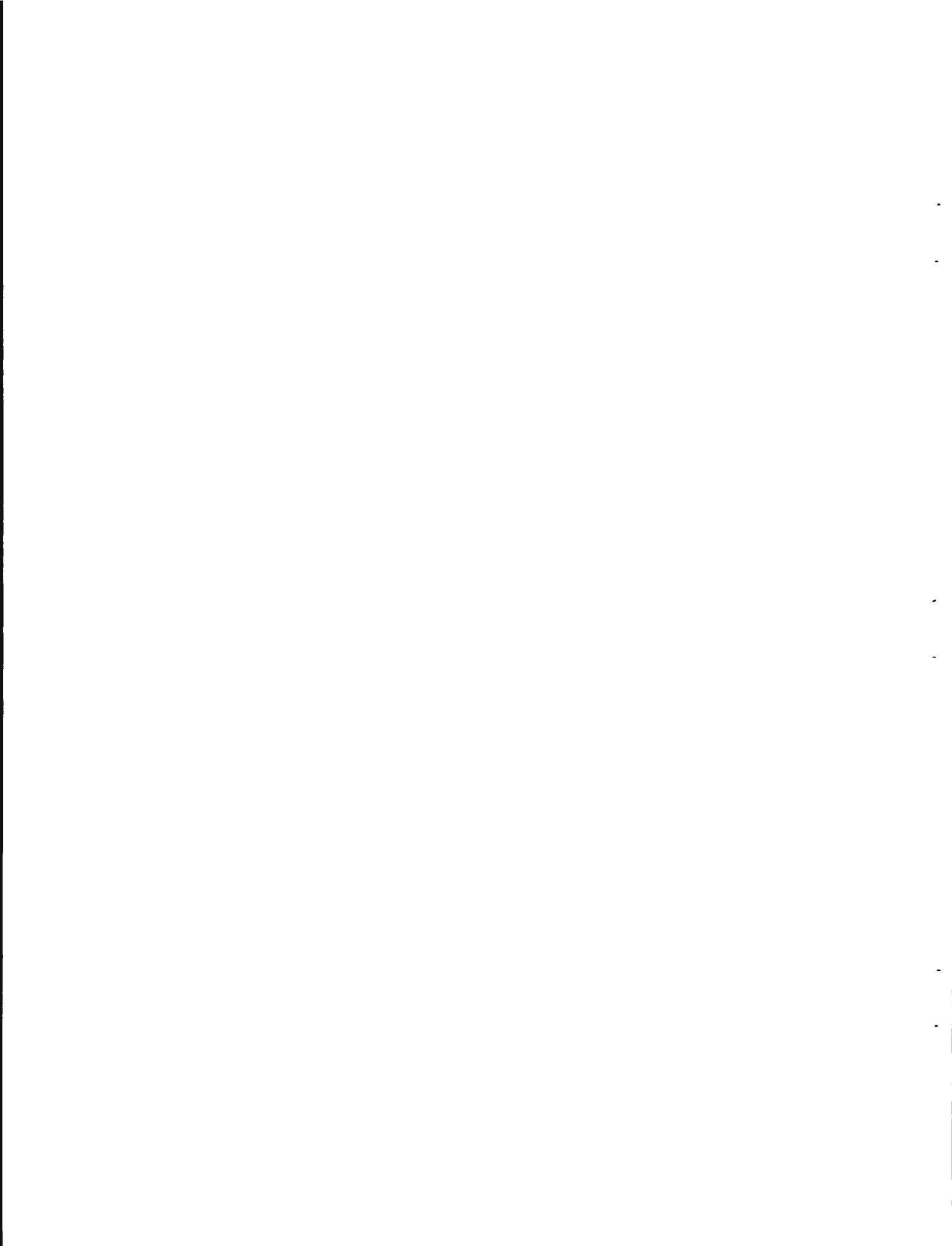
Affiliated Colleges 241

CHAPTER – XIV
JALPAIGURI CAMPUS

Jalpaiguri Campus 247

CHAPTER - I

GENERAL



GENERAL

The University and its mission:

The University of North Bengal was established by an Act of the Legislature of West Bengal in 1962 with the mission "to encourage and provide for instruction for teaching, training and research in various branches of learning and course of study; to promote advancement and dissemination of knowledge and learning and to extend higher education to meet the growing needs of society."

The University of North Bengal campus covers an area of nearly 331 acres of land at the foothills of the high Himalaya in close proximity of vast plains around it with a fascinating glimpse of the Kanchenjunga peak, tea gardens and forest cover.

The University of North Bengal has acquired 36.138 acres of land and has set up another campus at Jalpaiguri by the side of the campus of Jalpaiguri Government Engineering College for widening the dimension and scope of Higher Education and Research in one more Centre for Higher Education through modern studies for spreading advancement of learning in various branches of Humanities, Science and Technology in order to reach the people of this region in a bigger way so that they can have better and easier access to Higher Education.

The University of North Bengal, since its inception in 1962, has been fulfilling the objectives of imparting higher education and research to the people of this socio-economically backward area of the country. With the global advancement and requirements in the arena of higher education and research, the University has shouldered the responsibility of dissemination of knowledge by judicious expansion of its role in advanced, non-conventional, applied and job-oriented fields keeping the quality of education at par with global standards at low cost.

The University has taken initiatives in qualitative growth by way of achieving excellence. The Departments are well-equipped with research programmes from various agencies and have received academic distinctions and recognitions.

Chancellor:

As required under section 8(1) of the North Bengal University Act, the Governor, by virtue of his office, is the Chancellor of the University. Sri Keshari Nath Tripathi, Governor of West Bengal has been holding the office of the Chancellor of the University since July 24th, 2014.

Vice-Chancellor:

Professor (Dr.) Somnath Ghosh joined his office as Vice-Chancellor of University of North Bengal on 11th February, 2014 and is continuing his office.

Deans:

Faculty Council for P.G. Studies in Science:

Professor Amitabha Mukhopadhyay, Department of Physics has been appointed Dean of the Faculty of Science with effect from 10.05.2013.

Faculty Council for P.G. Studies in Arts, Commerce & Law:

Professor Palash Ranjan Sengupta, Department of Commerce has been appointed Dean of the Faculty of Arts, Commerce & Law with effect from 10.05.2013.

A NOTABLE ACTIVITIES

Academic Activities:

The University has a host of programmes which enables it to invite scholars and researchers of Eminence from within India as well as from abroad to visit the University interact with students, teachers and researchers to add to the knowledge base of the University.

The University's mission is of social inclusion. The University has been finding out ways of tapping the resources and actualizing the region's potential and taking initiatives for the benefit of the under privileged people of the region. Departments and Centres are involved in imparting knowledge and life skills. They are also instrumental in archiving and preserving folklore, language and culture of communities that have been facing the threat of extinction in our era of globalization.

32 Professors of various Universities have visited different departments of our University and delivered lectures during this session.

12 Teachers visited foreign countries from UGC funds and 50 Teachers participated in National Conferences from UGC funds.

Teachers of various departments of the University have published more than 400 books and articles / papers / journals in refereed National and International Journals.

20 departments of the Arts, Commerce and Law faculty as well as of Science Faculty have organized 42 nos of Seminars and Workshops during this year 2015-2016.

To encourage the students, the following UGC Scholarships have been awarded to students besides other State and University Scholarships:

- i. *Post-graduate Indira Gandhi Scholarship for Single Girl Child.*
- ii. *Post-Graduate Merit Scholarship for University Rank Holder.*
- iii. *UGC-NET Junior Research Fellowship*
- iv. *UGC Basic Science & Research Fellowship.*
- v. *UGC Rajiv Gandhi National Fellowship.*

The University runs its UG programmes through its affiliated colleges. Admissions in these colleges are based on merit and policy of reservation as per the government guideline and through online application followed by verification of documents at the college level. The University controls the strength of seats for each programme and sets the dead-line for admission in the college and monitors data as per basic information sheets.

Following 5 new Colleges were established during the Academic Session 2015-2016, which is affiliated to the University of North Bengal:

- i. *Eastern Dooars B.Ed. Training College.*
- ii. *Manoranjan Saha B.Ed. Training College.*
- iii. *Government General Degree College (Gorubathan).*
- iv. *Government General Degree College (Pedong).*
- v. *Pijush Kanti Mukherjee Mahavidyalaya.*

3 departments of the Arts, Commerce and Law faculty as well as of Science Faculty have received 5 nos of Awards during this year 2015-2016.

Other Important Activities:

Scholars from different parts of India and some even from China, Bangladesh, Srilanka, Japan, Taiwan and other countries now visit the Museum and the Akshaya Kumar Maitreya Heritage Museum has received some artifacts during the period of 2015-2016. During this mentioned period more than 8.000 visitors came to the Museum.

The Centre for Studies in Local Languages and Cultures has organized National and International Seminars cum Workshops, Cultural Programmes and Folk Festivals throughout the year.

UGC Human Research Development Centre organized and conducted 04 Orientation Programmes for newly appointed College/University Teachers and 06 Refreshers Courses for serving Teachers in this region and 04 Short-term Courses for Officers, Principals and Non-teaching Staff.

In this year 2015-2016 Six nos. of construction work has been completed in the campus of the University of North Bengal from the UGC, State Government and RUSA fund:

In this year 2015-2016 Rs. 20.00 Crore have been sanctioned to the University of North Bengal under RUSA and Rs. 10.00 Crore has been utilized for the overall development of the University including upgrading classrooms installing Cluster Computer system etc. Books, Journals including E-Books and E-Journals have been purchased. Laboratories have been upgraded and renovated.

The back log created because of transfer from department wise roster to central roster has been normalized for the teaching posts according to UGC regulations. Promotional roster regarding SC / ST backlogs have been sorted out for the non-teaching staff.

Augmentation of power supply by installation of 250 KVA Transformers + 250 KVA Generators has partially solved our long standing power problem.

The following University Grants Commission schemes are being implemented for the overall good of the University:

- a. Day Care Centre.
- b. Basic Facilities for Women.
- c. Facilities for Differently Abled Person.
- d. Remedial Coaching for SC/ST and Minorities.
- e. Coaching classes for Entry-into-Services for SC/ST and Minorities.
- f. Coaching for NET in respect of SC/ST and Minorities.
- g. Adventure Sports.
- h. Encouraging Travel within and outside the country for teaching staff, officers and research scholars.
- i. Faculty Improvement Programmes.
- j. University Industry Linkage.
- k. Innovative Research Activities.

etc to mention a few of the schemes.

Our University Library speaks volumes regarding the academic pursuits of our university. Total number of documents added in this year is 6,509. During the period, library has up-graded itself considerably. The details are:

Library Statistics:

Sl. No.	Particulars	2015-16 (as on 31.03.2016)
	Total number of documents accessioned	
1.	Text Books	2,25,208
2.	Reference Books	8,550
3.	Rare Books	648
4.	Bound Periodicals	37,145
5.	Theses	1,423
6.	Non-Print Materials	1,049
7.	Census	2,350
8.	Reports	1,769
9.	Gazetters	180
10.	Debates	201

Social Responsibilities:

Beside teaching and research, we are not running behind in associating ourselves to cater to the social needs and responsibilities.

The students of the department of Mathematics organized a **Blood Donation Camp** on 21st May, 2015 where 180 units of blood contributed.

The Centre for Women's Studies has organized a seven days Certificate course on "**Reproductive and Child Health**".

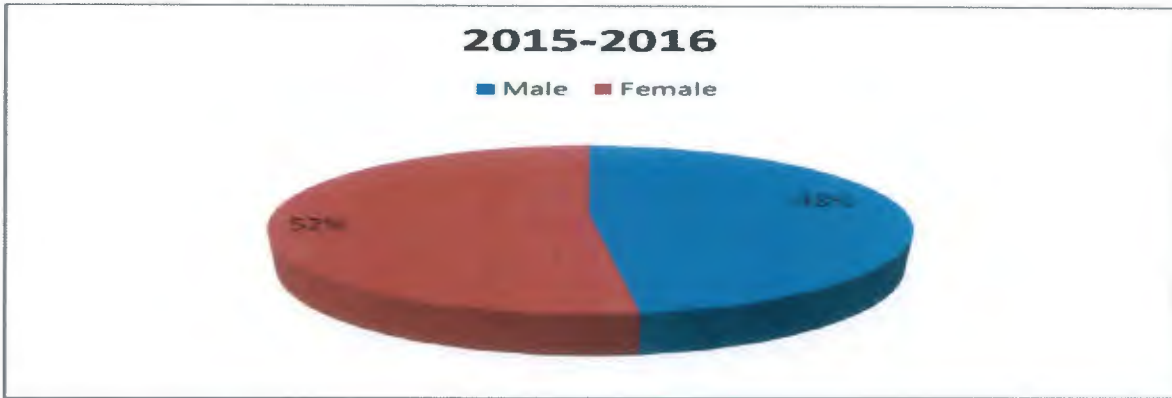
The students of the Department of Mass Communication have made many Short Films / Documentaries and have made social awareness advertisements throughout the year.

The six (6) member Athletics team participated in the **76th All India Inter University Athletics Meet 2015-16**.

More than ten types of Crop have been planted in the year 2015-2016 by the Centre of Floriculture and Agri-Business Management (COPAM). The centre has also organized some training programmes and awareness programmes.

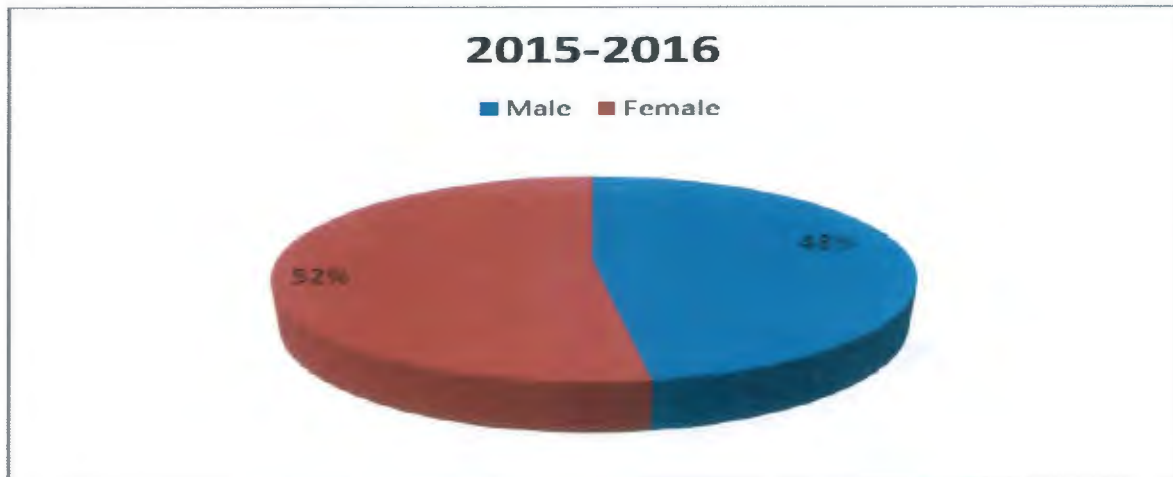
**TOTAL STUDENTS ENROLMENT OF
UNDERGRADUATE COLLEGES**

Year	Male	Female	Total Enrolment
2015-2016	21,639	23,571	45,210



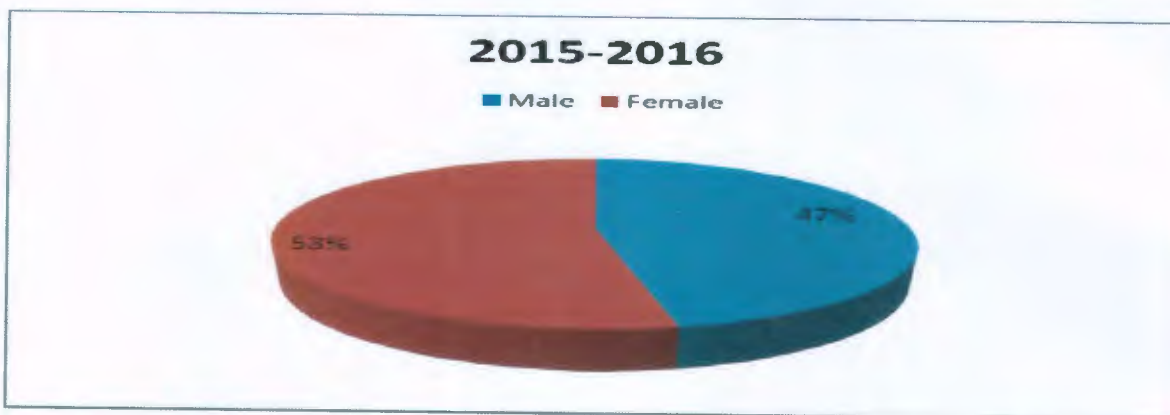
**SC / ST STUDENTS ENROLMENT
IN UNDER-GRADUATE COLLEGES**

Year	Male	Female	Total
2015-2016	9,578	10,569	20,147



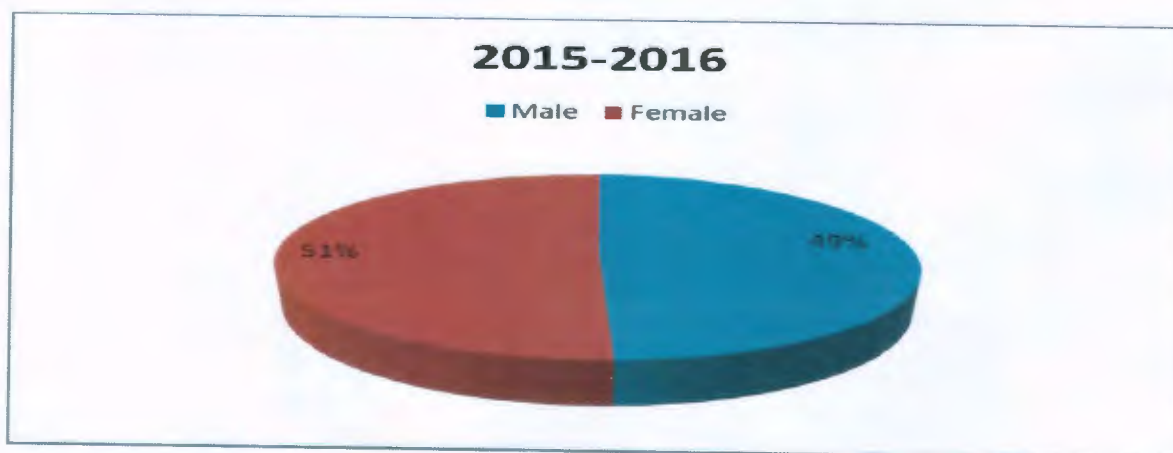
**TOTAL STUDENTS ENROLMENT
IN REGULAR POST GRADUATE TEACHING DEPARTMENTS**

Year	Male	Female	Total
2015-2016	618	711	1329



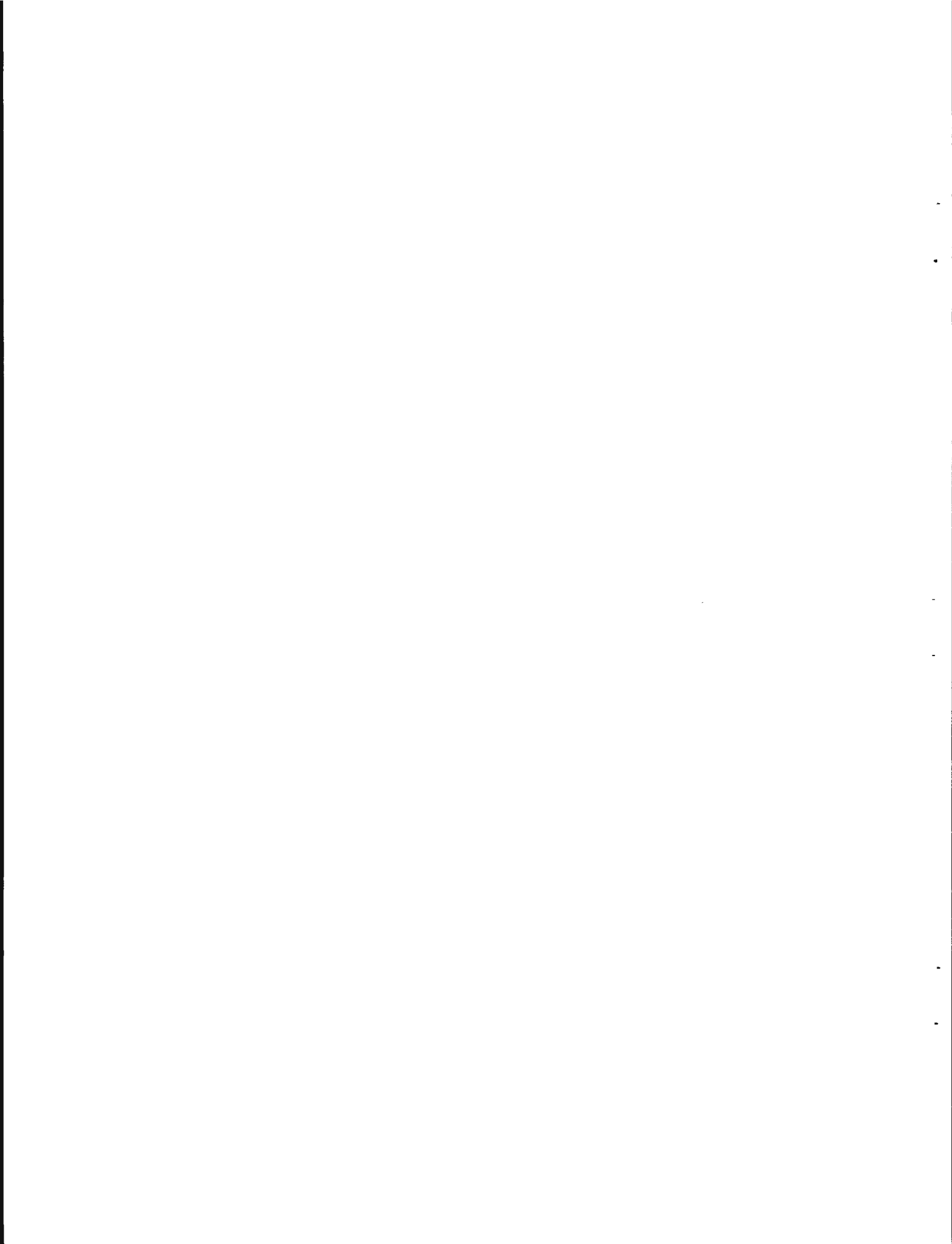
**SC / ST STUDENTS ENROLMENT
IN REGULAR POST GRADUATE DEPARTMENTS**

Year	Male	Female	Total
2015-2016	246	253	499

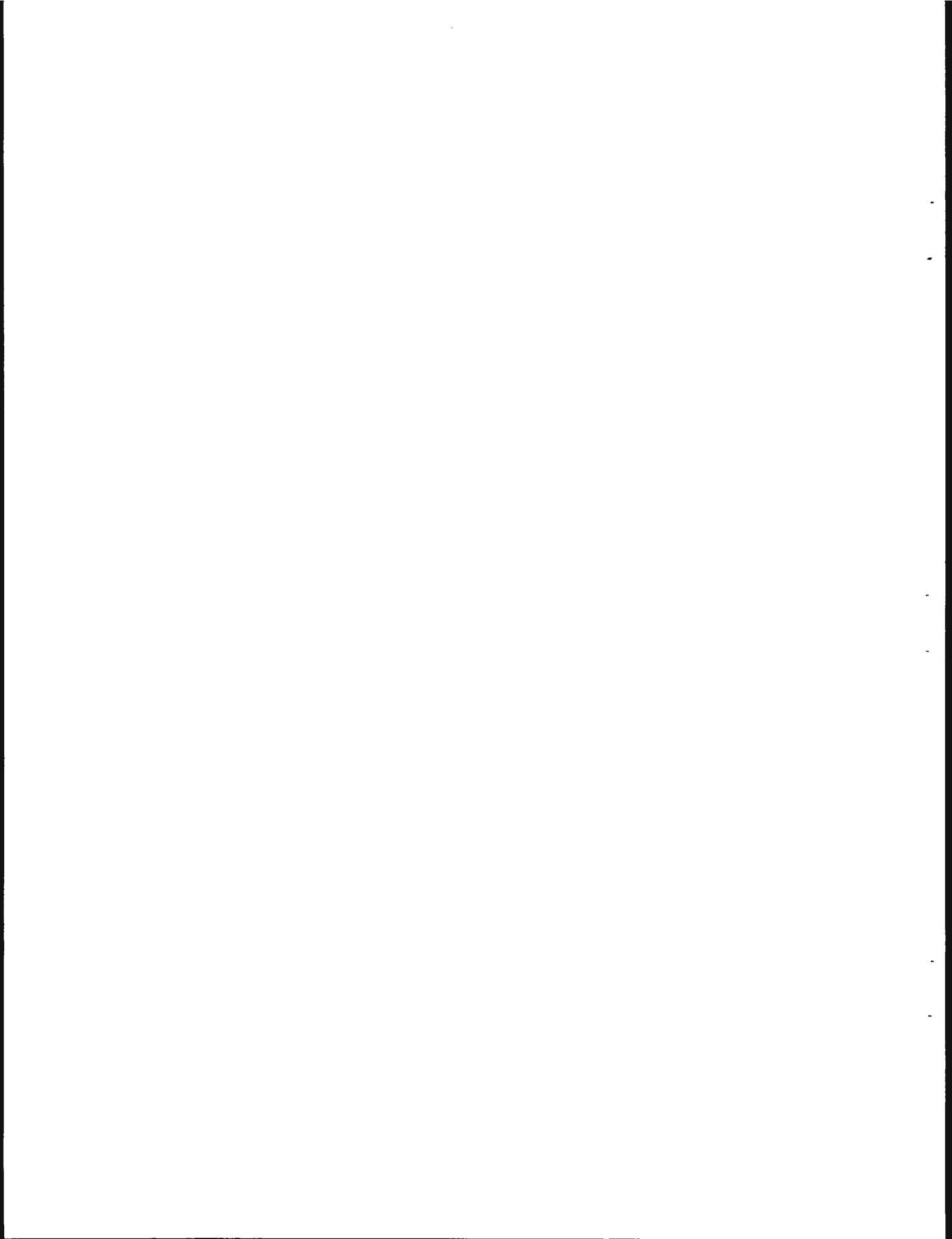


CHAPTER - II

**POST-GRADUATE TEACHING
DEPARTMENTS**



SCIENCE



Department of Anthropology

1. **Name of the Department: ANTHROPOLOGY**
2. **Date of Establishment: Year of Establishment 2001**
3. **Introduction of the Department:** The Department of Anthropology has M.Sc. and Ph.D. programmes in different fields of Anthropology. The academic programmes are so designed as to enable the students and scholars to acquire a good understanding of people, society and culture at the micro level. The special focus of the department is to examine and analyze the regional and local issues of greater anthropological significance. The department has an innovative plan to develop interdisciplinary interaction for strengthening its teaching and research programmes. Participatory approach and Lab to Land method has been adopted to develop the teaching and research activities of the department.

4. **Name of the Faculties:**

Professor	Associate Professor	Assistant Professor
Prof. Jaydip Sen (Specialization: Physical Anthropology & Human Genetics).	Dr. Samar Kumar Biswas (Specialization: Social-Cultural Anthropology).	Dr. Pinak Tarafdar (Specialization: Social-Cultural Anthropology).

5. **Name of Ph.D. Research Scholars:**

- (i) Sri. Yougan Tamang, UGC-Senior Research Fellow,
- (ii) Sri. Binu Dorjee, UGC-Senior Research Fellow,
- (iii) Smt. Sampriti Debnath, UGC-Junior Research Fellow,
- (iv) Smt. Pushpa Lata Tigga, Rajiv Gandhi National Fellow,
- (v) Smt. Grace Leivon, Rajiv Gandhi National Fellow,
- (vi) Smt. Chumu Sherpa, Rajiv Gandhi National Fellow,
- (vii) Smt. Susmita Roy, Rajiv Gandhi National Fellow,
- (viii) Sri. Sukanta Das, Rajiv Gandhi National Fellow,
- (ix) Sri. Subhankar Roy, Senior Research Fellow, State/University Fellow,
- (x) Sri. Ashok Das Gupta, Research Scholar,
- (xi) Mr. Amit Ghosh, Research Scholar,
- (xii) Mr. Mandip Tamang, Research Scholar,
- (xiii) Mrs. Mridusmita Goswami, Research Scholar,
- (xiv) Ms. Depica Dhal, Research Scholar,

6. **Name of the Project Fellow:**

- (i) Riway Rai, Project Fellow

7. **Name of the Non-Teaching Staff.**

- i) **Name:** Sri. Narayan Das, **Designation:** Senior Assistant

8. Student Strength:

Students		Male	Female	Total
Part-I	1 st Semester	3	9	12
	2 nd Semester	3	9	12
Part-II	3 rd Semester	3	4	7
	4 th Semester	3	4	7

9. Seminar / Conference attended (Outside the Country & Within the Country)

Name of the Teacher	Name of the Seminars/ Conferences	Venue & Date	Title of the Paper presented
Prof. Jaydip Sen	NIL	NIL	NIL
Dr. Samar Kumar Biswas	45 th Annual Conference of the Indian Anthropological Society on "Anthropology and Human Welfare"	Calcutta University, Jute Technology, Dated: 23-25. 5.2015	<i>Effect of Livelihood Resource Depletion and Changes on a Particularly Vulnerable Tribal Group, Toto of Sub-Himalayan West Bengal</i>
Dr. Samar Kumar Biswas	Satellite Conference on 22 nd WBSSTC.	North Bengal University, Dated: 3-4.6.15	<i>Participated only.</i>
Dr. Samar Kumar Biswas	National Workshop cum Orientation Programme on "Identities, Mobility and Well-Being"	ICSSR-ERC and Dept. of Sociology, St. Xavier College, Kolkata. Dated 26-27. 9.15	<i>Tribal Identity is on the Crossroads: A Study on the Totos, A Primarily Vulnerable Tribal Group</i>
Dr. Samar Kumar Biswas	State Level Consultation on 'Issues in Nutrition security affecting Dalits and Adivasis'	North Bengal University Dated: 19.11.2015	<i>Struggle for getting Food and Nutritionfor Survival: An Observation on the Marginalized People</i>
Dr. Samar Kumar Biswas	XXXIX Indian Social Science Congress On "Emerging Interfaces of Social Science and Public Policy in India"	Mangalore University, Indian Academy of Social Sciences, Dated: 1-5. 12.15	<i>Convener of the Anthropology Research Committee of XXXIX ISSC; and also presented a paper entitled "Environmental Degradation and its Consequences on Economy: A Study on Sagar Island, West Bengal.</i>
Dr. Samar Kumar Biswas	UGC sponsored National Seminar on 'Anthropology and Society'	Department of Anthropology, University of North Bengal, Dated 22-23.12.2015.	<i>Presented Paper entitled "Contested Identities of the Indigenous People in Sub-Himalayan West Bengal"</i>
Dr. Samar	UGC sponsored	Department of	<i>Chaired the Technical</i>

Kumar Biswas	National Seminar on Anthropology and Society,	Anthropology, University of North Bengal, Dated 23.12.2015.	Session- IV, on 23.12.2016 at 10.30 am to 12.00 noon.
Dr. Samar Kumar Biswas	International Seminar on <i>Right of Mother Tongue and Language Democracy</i>	Presidency University, Kolkata. Dated: 20-21. 2. 2016	<i>Chaired a session and presented a paper "Language/Dialect of a Little Known Community: Issues and Opportunities"</i>
Dr. Samar Kumar Biswas	International Seminar on " <i>Anchalik Bhasay Sahityacharcha: Samosya o Sambhabona</i>	North Bengal University Dated: 10-12. 3.2016	<i>Chaired a session and presented a paper entitled "Folksongs of the Totos-Some Issues"</i>
Dr. Pinak Tarafdar	45 th Annual Conference of the Indian Anthropological Society,	Kolkata, 23 rd -25 th May 2015,	Typological Variations of Prehistoric Assemblages in the Surrounding Regions of Susunia Hill, District Bankura, West Bengal
Dr. Pinak Tarafdar	UGC sponsored National Seminar on 'Anthropology and Society'	Department of Anthropology, University of North Bengal. 22 nd -23 rd December, 2015.	The Significant of Prehistoric Sites of Galudih,
Dr. Pinak Tarafdar	UGC sponsored National Seminar on Anthropology and Society,	Department of Anthropology, University of North Bengal. 22 nd -23 rd December, 2015.	Session chaired on Medical Anthropology and Health Issues in the Seminar
Dr. Pinak Tarafdar	Indigenous Ethnography, Emic Perspective And National Cultural Heritage: Focusing North East India	Department of Anthropology, Assam University, Diphu Campus. 6 th -7 th January, 2016	Identity Struggle and quest for Tribalization: A Case of 'Mangar' population
Dr. Pinak Tarafdar	Indigenous Ethnography, Emic Perspective And National Cultural Heritage: Focusing North East India	Department of Anthropology, Assam University, Diphu Campus. 6 th -7 th January, 2016	Co-chaired in a technical session in
Dr. Pinak Tarafdar	International Seminar on Cultural Resource Management in the Perspective of Human Rights,	Asiatic Society, Kolkata, 30 th and 31 st March 2016.	Impact of Habitation Change on Indigenous Knowledge of Healthcare Practices: <i>A Case of Intangible Cultural Resource Management in the Perspective of Rights to</i>

			Health
--	--	--	--------

10. Organized Seminar / Conference: Yes

Name of the Seminar / Conference	Date of the Seminar / Conference	Remarks
"Anthropology and Society"	22 nd and 23 rd December, 2015	Funded by the UGC

11. Publications:

(i) Publications of Prof. Jaydip Sen:

(a) **Books Edited:** Mondal Nitish, **Sen Jaydip**. Nutrition and Health among Tribal Populations of India: A bio-cultural Approach. New Delhi, B.R. Publishing Corporation, 2016.

(b) Paper published in the Journals

Name of the Author	Name of the Book/Journal/ Volume	Year of Publication
Nitish Mondal, Jaydip Sen , Kaushik Bose, Ruplin Timungpi, Moniram Kathar, Sarlongki Hanse	Neck circumference as a screening measure of overweight/obesity among Indian adults. Anthropological Review. 79(3):345-363. doi: 10.1515/anre-2016-0025 (International).	2016
Sen Jaydip , Kanchan Tanuj, Ghosh Ahana, Mondal Nitish, Krishan Kewal	Estimation of sex From index and ring finger lengths in an indigenous population of Eastern India. Journal of Clinical and Diagnostic Research. 9:HC01-HC05. doi: 10.7860/JCDR/2015/14940.6846 (International)	2015
Dorjee Binu, Das Sukanta, Mondal Nitish, Sen Jaydip	Dermatoglyphic variations among the Limbo of Sikkim, India. Journal of Comparative Human Biology HOMO. 66:455-70. doi: 10.1016/j.jchb.2015.02.010. (International).	2015
Sen J , Mondal N, Ghosh P	Upper arm composition as an indicator of body composition and nutritional status of adolescent boys aged 10-18 years. Journal of Nepal Paediatric Society 35(2):151-160. doi: http://dx.doi.org/10.3126/jnps.v35i2.13250. (International Journal)	2015
Melody Seb Rengma, Sen Jaydip , Mondal Nitish	Socio-economic, demographic and lifestyle determinants of overweight and obesity among adults of Northeast India. Ethiopian Journal of Health Sciences. 25:199-208. doi: http://dx.doi.org/10.4314/ejhs.v25i3.2 (International)	2015.
Tigga Pushpa Lata, Mondal Nitish, Sen Jaydip	Effects of certain socio-economic, socio-demographic and life style factors on the prevalence of thinness among pre-school children of North Bengal, India. Epidemiology, Biostatistics and Public Health. 12:e10282-11. doi: http://dx.doi.org/10.2427/10282 (International)	2015
Tigga Pushpa Lata, Sen Jaydip , Mondal Nitish	Association of some socio-economic variables and socio-demographic variables with wasting among preschool children of North Bengal, India. Ethiopian Journal of Health Sciences. 25:63-72.	2015

	doi: http://dx.doi.org/10.4314/ejhs.v25i1.9 (International).	
Dorjee B, Sen J	Estimation of stature from arm span, arm length and tibial length among Bengalee children aged 3-11 years. <i>Human Biology Review</i> , 5(2):128-145. (National).	2016
Tigga PL, Mondal N, Sen J	Head circumference as an indicator of undernutrition among tribal pre-school children aged 2-5 years of North Bengal, India. <i>Human Biology Review</i> . 5(1):17-33. (National).	2016
Sen Jaydip, Tigga Pushpa Lata	The effects of toxic trace elements in humans, with special reference to the toxic element mercury. In. Mithun Sikdar (ed.) <i>Human growth: the mirror of the society</i> . Delhi, B. R. Publishing Corporation, pp. 55-98. (National).	2015

(ii) Publications of Dr. Samar Kumar Biswas:

Name of the Author	Name of the Book / Journal / Volume	Year of Publication
Samar Kumar Biswas	Perspectives of Tribal Livelihood: Issues and Challenges in the present Era, <i>Humankind</i> ,	2014, but originally on 2015
Samar Kumar Biswas	The Jarawa (<i>Ang</i>) Territory: Historical Manifestation and Contextual Situations in Andaman Islands, <i>North Bengal Anthropologist annually</i>	2015
Samar Kumar Biswas	The Issues of Child Rights: A Case Study, <i>North Bengal Anthropologist annually</i> , 3:127-137	2015
Samar Kumar Biswas	<i>Ethical Issues of Anthropology with Special Reference to Field-Work</i> , August, 2014 in S. Biswas (ed.) <i>Ethical Issues in Anthropological Research</i> , 65-76.	2015

(iii) Publications of Dr. Pinak Tarafdar:

Name of the Author	Name of the Book / Journal / Volume	Year of Publication
Dr. Pinak Tarafdar	<i>Indigenous Population of North Bengal: A Contemporary Contemplation</i> in Omnibus of North Bengal The History and Culture of the Hills and the Plains, Anita Bagchi and Dahlia Bhattacharya (eds.), B.R. Publishing Corporation, Delhi	2015.

12. Research Projects (Major & Minor):

Major Research Project		
Title of the Scheme Project	Sanctioned Authority	Remarks
Dr. Jaydip Sen	Nil	Nil
Dr. Samar Kumar Biswas "Deforestation and Land Alienation: Living on the Edge A Study on an	UGC	F.No.42-492/2013 (SR); Dated: 20 TH February, 2014)" for the tenure of 01.4 2013 to 31.3. 2017. Rs.

<i>Endangered Tribe</i>		727100/-
Dr. Pinak Tarafdar	Nil	Nil
Minor Research Project		
Title of the Scheme Project	Sanctioned Authority	Remarks
Dr. Jaydip Sen	Nil	Nil
Dr. Samar Kumar Biswas <i>"Culture and Livelihood of the Sherpas"</i>	NBU	Ref. No. 4355/ R-2015; Dated: 23.12.2015; Rs. =75,000/-; period: 1 st April, 2015- 31 st March. 2016
Dr. Pinak Tarafdar	Nil	Nil

13. Visiting Fellow: UGC

Name of the Visiting Fellow	Duration	
Prof. Jagannath Dash, (Retd.) Professor Dept. of Anthropology, Utkal University	07.03.2016-17.03.2016	

14. Any other information (Award received): NIL

Department of Biotechnology

1. Name of the Department: BIOTECHNOLOGY

2. Date of Establishment:

3. **Introduction of the Department:** The Department of Biotechnology (Supported by DBT, GoI), promotes and facilitates faculty, research scholars and student research in Microbiology, Biochemistry, Molecular Biology, Cell Biology and Molecular Genetics to achieve goals of Biotechnology. The department provides technical support for research and a nucleus for interdisciplinary research and training initiatives, and prepares students and research scholars to work in modern research facilities at University of North Bengal. The Department of Biotechnology is committed to the values of: Pursuit of excellence, Academic and intellectual freedom, Creativity and innovation, Diversity, cooperation and communication and Accountability. The department has been capable to establish Biotechnology and Genomics-Proteomics-Metabolomics-Resistome research initiatives to provide students with outstanding research projects in supported programs. The department currently provides strong ties between researches in different DBT sponsored departments of the country. It has strengthened ties with the National Research Institutes, R&D Centres and other public Institutions and increased cooperation in consortium programs and interdisciplinary research.

4. Name of the Faculty :

Professor

Prof. Ranadhir Chakraborty

Associate Professor

Assistant Professors

Dr. Shilpi Ghosh

Dr. Dipanwita Saha

Dr. Anoop Kumar

5. Name of the Research Scholars: Ms. Moushree Pal Roy

Ms. Amrita Acharya

Mr. Shyama Prasad Saha

Ms. Deepika Mazumdar (Project Fellow, UGC project)

Ms. Khusboo Lepcha (INSPIRE Fellow, DST)

Mr. Vaskar Das, RGF, UGC

Ms. Vijeta Rai, CSIR-JRF

Mr. Bipranch K Tiwari (Res. Fellow, UGC Innovative Project)

Mr. Satadal Sarkar (SRF, UGC project)

Mr. Vivek K Ranjan (BT-BET, JRF)

Mr. Subhanil Chakraborty (INSPIRE Fellow, DST)

Mr. Rudraprasad Roy (DBT-WB, Res. Fellow)

Ms. Gargee Dhar Purkayastha (CSIR-SRF)

Ms. Priti Mangar (UGC-BSR)

Ms. Smriti Pradhan

Ms Pinkey Lhamu Lepcha

Ms Anindita Chakraborty

Mr Bhushan Gurung

Mr Prasanta Bera

6. Name of the Project Scholars: Ms. Pranita Pradhan, DST-JRF

7. Name of the Non-Teaching staff: Mr. Biswajit Burman

Mr. Raja Bauri
Mr. Dipak Das

8. Student strength: Semester 1: 07 (Seven)
Semester 3: 05 (Five)

9. Seminar/Conference/workshop attended (outside the country & within country)

Name of the teacher	Name of the Seminar/Conference	Venue & Date	Title of Paper
Dr. Shilpi Ghosh	22 nd West Bengal State Science and Technology Congress	NBU, 28 th Feb to 1 st March, 2015	
	International Conference on Recent Advances in Biotechnology,	10-12 th February, 2016 at Amity Institute of Biotechnology, Amity University, Gwalior.	S. Ghosh, M.Pal Roy, D. Mazumder (2016) Gene cloning, Expression and Characterization of phytase from <i>Shigella</i> sp. CD2.
	National Seminar on Man and Microbes	28 th to 29 th March, 2016 at Raigunj University, Raigunj, West Bengal.	S. Ghosh (2016) Molecular gene cloning and expression of bacterial phytase. (Invited Lecture).
Prof. Ranadhir Chakraborty	3 rd Annual Next Generation Sequencing Data Congress	15-16 June 2015, London, UK. OXFORD International	"Blending NGS data with phenotype plasticity in Bacteria" (INVITED SPEAKER)
	National Seminar on "Global Climate change and its impacts on floral, faunal and microbial diversity"	26-28 June 2015, St. Joseph's College, Darjeeling	"Microbes to mitigate Global climate change" (KEY NOTE SPEAKER)
	UGC sponsored National Seminar on "Democracy, Discontent and Autonomy demands: The Contemporary Indian Federal Experience"	9-10 th October, 2015. Netajii Subhas Mahavidyalaya, Haldibari	"Should India's democratic structures continue with gender inequality in political spaces?" (INVITED SPEAKER)
	National Science Day Celebration Seminar	Nov.22, 2015, Visva-Bharati	"Future of Biology in the context of the present development and Nation building" (INVITED SPEAKER)
	National Seminar on "Man and Microbes"	28 th to 29 th March, 2016 at Raigunj University, Raigunj, West Bengal.	'Tale of Vancomycin susceptibility/resistance in bacterial residents of two extreme ecological niches, Beringian Permafrost and Indian geothermal springs' (Plenary Speaker)
	National Seminar on	10 th March, 2016, at	"Ethno-pharmacologically

	“Defining Modern Biology: Plants and Microbes”	Gourbanga University	relevant plants and the prospect of development of green therapeutics for combating hard to manage bacterial diseases’ (Plenary Speaker)
	National Seminar on “Microbiology in 21 st Century”	29 th February – 1 st March 2016, Vidyasagar University	‘Tracking Metallo- β -lactamase (including NDM -1) genes in Antibiotic Resistant Bacteria present in the fourth genetic reactor and their horizontal gene transfer potential: A model study on Karala River in Jalpaiguri of the Northern West Bengal’ (Invited Speaker)
	UGC-CPE Interdisciplinary (Science) National Seminar on “Frontiers in Science and Technology towards National Development”	10-11 April, 2016, Acharya B.N. Seal College, Coochbehar	‘Future of Science in India’
Dr. Dipanwita Saha	6th International Conference on “Plant, Pathogens and People”,	Feb. 23-27, 2016, NASC Complex, New Delhi, India.	Control of foliar diseases of tea by <i>Clausena excavata</i> leaf extract Received Best poster presentation award (3rd prize)
	“World Congress on Drug Discovery and Development”	23-25 November, 2016, Indian Institute of Science, Bengaluru	Antifungal activity of three natural coumarins and one biotransformed clerodane diterpene
	National seminar on “Current trends in Plant and Microbial Research”	16-17 March, 2016, Raigunj University	Management of foliar fungal diseases in tea by plant extracts (INVITED TALK)
	6 th International conference and Indian chapter of Asian FGPR Satellite Workshop	25 th February, 2016	“PGPRs for sustainable crop productivity” (Participant)
	22 nd West Bengal State Science and Technology Congress	NBU, 28 th Feb to 1 st March, 2015	(Part of the organizing committee)
	National Conference on Natural Resources, Diversity and Sustainable	11-12 December, 2015, Department of Zoology and Biotechnology,	Acted as Chairman of a ‘Technical Session’

	Development	University of North Bengal	
Dr. Anoop Kumar	“2 nd National workshop on NEXT Generation Sequencing in disease diagnosis and therapeutic target discovery”	March 14-18, 2016, National Institute of Pathology, New Delhi	
	National Conference on Natural Resources, Diversity and Sustainable Development	11-12 December, 2015, Department of Zoology and Biotechnology, University of North Bengal	
	1 st Refresher course in Life Science and Biotechnology	20/07/2015-14/08/2015, UGC. Human Resource Development Center, Jawaharlal Nehru University, New Delhi	

10. Organized Seminars/Conferences/Workshop

Name of the Seminar/Conference/workshop

Date of the Seminar

National Conference on Natural Resources, Diversity and Sustainable Development

11 Publication:

	Name of author	Name of Journal / book / volume	Year of publication
	Dr. Shilpi Ghosh		
1.	Mandal A, Ghosh S, Ghosh A, Sil S, Bothra AK, Ghosh P (2016) 3-epihydroxy lup—20(29)-en-19(28)-olide: Partial synthesis, antitopoisomerase activity.	Medicinal Chemistry Research 25:1087-1095 (IF- 1.43)	2016
2.	Karmakar G, Nahak P, Guha P, Roy B, Chettri P, Torigoe K, Ghosh S, Panda A (2016) Effects of fatty acids on the interfacial and solution behavior of mixed lipidic aggregates with special reference to solid liquid nanopartiles.	Journal of Oleo Science 65:419-430 (IF-1.0)	2016
3.	Palroy M, Mazumder D, Datta S, Ghosh S (2016) Cloning and expression of phytase appA gene from <i>Shigella</i> sp.CD2 in <i>Pichia pastoris</i> and comparison of properties with recombinant enzyme expressed in <i>E.coli</i>	Plos one e0145745 (IF 3.26).	2016
4.	Sarkar P, Ghosh S (2016) Purification and characterization of solvent stable lipase from a solvent tolerant strain of <i>Geobacillus stearothermophilus</i> PS11.	J of Microbiology Biotechnology and Food Science 5:602-605.	2016
5.	Mandal A, Das V, Ghosh P, Ghosh S (2015) Anti-diabetic effect of friedelan	Natural Product Communications 10:1683-1686 (IF 0.93)	

	triterpenoids in streptozotocin induced diabetic rat.		
Prof. Ranadhir Chakraborty			
1.	Roy, C., Alam, M., Mandal, S., Haldar, P.K., Bhattacharya, S., Mukherjee, T., Roy, R., Rameez, M.J, Misra, A. K., <u>Chakraborty, R.</u> , Nanda, A.K. (2016) Global Association between Thermophilicity and Vancomycin Susceptibility in Bacteria.	Front Microbiol 31;7:412.	2016
2.	Pradhan K, Tiwary BK, Hossain M, <u>Chakraborty R</u> and Nanda AK (2016) A mechanistic study of carbonyl activation under solvent-free conditions: evidence drawn from the synthesis of imidazoles	RSC. Adv. 6: 10743-10749	2016
3.	Mandal SM, Pati BR, <u>Chakraborty R</u> , Franco OL (2016) New insights into the bioactivity of peptides from probiotics	Front Biosci (Elite Ed). 8: 450-459	2016
4.	Tiwary, B. , Kumar, A. , Pathak, R., Pandey, N., Yadav, K. and <u>Chakraborty, R.</u> (2016) The Locus <i>PgaABCD</i> of <i>Acinetobacter junii</i> Putatively Responsible for Poly- β -(1,6)-N-Acetylglucosamine Biosynthesis Might Be Related to Biofilm Formation: A Computational Analysis.	Advances in Microbiology. 6: 222-232	2016
5.	Amit Basak (Editor), <u>Ranadhir Chakraborty</u> (Editor), Santi M. Mandal (Editor) (2016) Recent Trends in Antifungal Agents and Antifungal Therapy	Springer ; 1st ed. 2016 edition (5 June 2016) ISBN-10: 8132227808 ISBN-13: 978-8132227809	2016
6.	<u>Chakraborty, R.</u> , Mandal, A.K. (2016) Hunting Food together is a Social Behaviour. Do Bacteria become Social in Scarcity and Selfish in Abundance?	Biodiversity and Sustainability: Opportunities and Challenges. pp. 45-58. Edition: First Edition, Publisher: Raiganj Surendranath Mahavidyalaya, Editor: Abhijit Sarkar and Rakhee Das Biswas, ISBN: 978-93-5254-104-1	2016
7.	Tiwary BK , Pradhan K, Nanda AK, <u>Chakraborty R.</u> (2015) Implication of Quinazoline-4(3H)-ones in Medicinal Chemistry: A Brief Review.	J Chem Biol Ther. 1: 104-112	2015
8.	Mandal SM, , Chakraborty A, Hossain M, Mahata D, Porto W F, <u>Chakraborty R</u> , Mukhopadhyay CK, Franco OL, Hazra, TK, Basak A. (2015) Amphotericin B and Anidulafungin Directly Interact with DNA and Induce Oxidative Damage in Mammalian	Molecular BioSystems 7	2015

	Genome		
9.	Manna DK, Mandal AK, Sen IK, Maji P, Chakraborty S, <u>Chakraborty R</u> , Islam SS. (2015) Antibacterial and DNA degradation potential of silver nanoparticles synthesized via green route.	International Journal of Biological Macromolecules. 7	2015
10.	Kumar A, Tiwary BK, Kachhap S, Nanda AK, <u>Chakraborty R</u> . (2015). An <i>Escherichia coli</i> Strain, PGB01, Isolated from Feral Pigeon Faeces, Thermally Fit to Survive in Pigeon, Shows High Level Resistance to Trimethoprim.	PlosOne DOI: 10.1371	2015
11.	Tiwary BK, Bihani S, Kumar A, <u>Chakraborty R</u> , Ghosh R. (2015) The <i>in vitro</i> cytotoxic activity of ethno-pharmacological important plants of Darjeeling district of West Bengal against different human cancer cell lines	BMC Complement Altern Med. 7: 15-22	2015
12.	Chattopadhyay, M. K., <u>Chakraborty R</u> ., Grossart, H. P., Reddy, G. S., & Jagannadham, M. V. (2015) Antibiotic Resistance of Bacteria (<i>Editorial</i>).	BioMed Research International, Article ID 501658	2015
13.	Mandal, A. K., Sen, I. K., Maity, P., Chattopadhyay, S., <u>Chakraborty R</u> ., Roy, S., & Islam, S. S. (2015) Structural elucidation and biological studies of a novel exopolysaccharide from <i>Klebsiella pneumoniae</i> PB12	International journal of biological macromolecules. 79: 413-22	2015
14.	Bhowal S, <u>Chakraborty R</u> (2015) MICROBIAL DIVERSITY OF ACIDOPHILIC HETEROTROPHIC BACTERIA: AN OVERVIEW	Biodiversity, Conservation and Sustainable Development Vol.I Issues and Approaches, Edition: Volume I, Chapter: 17, Publisher: New Academic Publishers, New Delhi 2015, Editors: Prithwiraj Jha, pp.157-	2015
Dr. Dipanwita Saha			
	Chakraborty P., Das S., Saha A, Saha D. and Saha A. (2016) First report of <i>Soybean Mosaic Virus</i> infecting bottle gourd plant in India.	Plant Disease, 100: 1509 IF: 3.192	2016
	I. Saha Arnab, Das S., Chakraborty P., Saha B., Saha D. and Saha A.(2016) Two new bottle gourd fruit rot causing pathogens from Sub-Himalayan West Bengal.	Journal of Agricultural Technology, 12 : 337-348.	2016
	Ramashish Kumar, Aniruddha Saha and Dipanwita Saha (2016): Biotransformation of 16-oxaclaroda-	Biocatalysis and Biotransformation, DOI: 10.1080/10242422.2016.1247824	2016

	3,13(14)E-dien-15-oic acid isolated from <i>Polyalthia longifolia</i> by <i>Rhizopus stolonifer</i> increases its antifungal activity,	IF: 1.17	
	Chakraborty P., Das S., Saha B., Sarkar P, Karmakar A, Saha Arnab, Saha D , and Saha Aniruddha. (2015) Phylogeny and synonymous codon usage pattern of Papaya ringspot virus coat protein gene in sub-Himalayan region of north-east India.	Canadian Journal of Microbiology, 61(8): 555-564. IF: 1.354	2015
	Bera, P.K., Saha, D. , Ghosh, S.K. and Das, S. Phenotypic characterization of different colour variants of endangered siri cattle in West Bengal and Sikkim	Indian J. Anim. Hlth., 55(2) : 149-156	2016
Dr. Anoop Kumar			
	Suraj Koirala, Biplab Roy, Pritam Guha, Ravi Bhattarai, Manish Sapkota, Prasant Nahak, Gourab Karmakar, Amit Kumar Mandal, Anoop Kumar and Amiya Kumar Panda (2016), Effect of double tailed cationic surfactants on the Physicochemical behavior of hybrid vesicles	RSC Advances, 6, 13786–13796 (IF -3.8)	2016

12 Research Projects (Major & Minor):

Major Project	
Title of the scheme project	Sanctioned authority
Dr. Shilpi Ghosh	
Bioprospecting thermophilic lignocellulose deconstruct-ting microbial consortium: Mining of cellulolytic glycoside hydrolases for biotechnology	DST, Govt. of India (PI)
Physicochemical studies on bacterial and other membrane: An attempt to develop nanoparticle antimicrobial drug carrier system	DBT, Govt. of India (Co-PI)
Prof. Ranadhir Chakraborty	
Isolation of Carbohydrate polymer-producing bacteria from waters of city-waste polluted Mahananda River at Siliguri and Characterization of suitable biopolymers exhibiting high flocculating activities	UGC, New Delhi (P.I)
Bioprospecting thermophilic lignocellulose deconstruct-ting microbial consortium: Mining of cellulolytic glycoside hydrolases for biotechnology	DST, Govt. of India (Co-PI)
Search for novel quorum sensing modulators of biofilm-forming microbes from plant sources	DBT, Bio-Care Programme (Mentor & Co-PI)
Formulation of Probiotics for Major and Minor Carps	DBT, GoWB (Co-PI)
Development of high-resolution optical detector for growth monitoring of bacteria in liquid culture	UGC Innovative Project (Co-PI)

Dr. Dipanwita Saha	
Studies on occurrence and distribution of antibiotic resistance and virulence genes among <i>Aeromonas</i> species in sub-Himalayan West Bengal and their conjugational spread in other bacteria.	UGC, New Delhi (P.I)
Diversity analysis of <i>Exobasidium</i> spp. causing blister blight disease in tea grown in the Darjeeling hills using PCR assays.	UGC
Minor Project	
Title of the scheme project	Sanctioned authority
Prof. Ranadhir Chakraborty	
Dr. Dipanwita Saha	

13. Visiting Fellow

Name of Visiting Fellow	Duration
1. Dr. USHATI DAS Cornell University, USA	14-15th July, 2015
2. PROF. ADHAR MANNA Division of Biological Sciences Presidency University Kolkata	29-30 May, 2015
3. Dr. A.S. Ghosh Dept. of Biotechnology IIT, Kharagpur	15th-16th January, 2016

14 Any other information:

Department of Botany

1. **Name of the Department:** Department of Botany
2. **Date of establishment:** 1984
3. **Introduction of the Department:** The Department of Botany of North Bengal University was initiated in the summer of 1984. Since then the Department flourished tremendously with tireless efforts of faculties, staff and students. The Department has marked its golden presence by its remarkable achievements in shaping the scientific and academic pursuit of Sub-Himalayan West Bengal, Sikkim and neighbouring countries like Nepal, Bhutan and Bangladesh. Though, being a small University situated in a remote location with limited resources and infrastructure, our University as well as the Department is second to none when it comes to producing quality students, researchers and scientists.

4. **Name of the Faculty:**

Professor	Associate professor	Assistant Professor
1. Prof. Abhaya Prasad Das 2. Prof. Bishwanath Chakraborty 3. Prof. Prabir Kumar Sarkar 4. Prof. Usha Chakraborty 5. Prof. Aniruddha Saha 6. Prof. Arnab Sen	1. Dr. Subhas Chandra Roy	1. Dr. Palash Mandal 2. Dr. Manoranjan Chowdhury

5. **Name of the research scholars:** Sweata Khati, Puspanjali Ray, Pratik Majumdar, Tarun Mishra, Hrisikesh Mandal, Shibu Das, Arnab Saha, Piyali Sarkar, Bilok Sharma, Tanushree Sarkar, Arup Karmakar, Preeti Monger, Biman Krishna Saha, Indrajit Singha, Sujit Mondal, Payel Paul, Suchishree Jha, Saran Kumar Gupta, Arunika Subba, Sumira Mukhia, Priyanka Roy, Swarnendu Roy, Sandip Dev Chaudhuri, Jayanta Chowdhury, Sukanta Majumdar, Dibakar Chowdhury, Rajib Biswas, Anurag Chowdhury, Baisakhi Das
6. **Name of the project scholars:** Arka Pratim Chakraborty, Amrita Acarya, Somnath Roy, Shibu Barman, Tulsi Thapa, Priyanka Bhattacharya, Ashit Ray, Prosenjit Chakraborty, Anand Sharma, Nishika Jaishee, Jayanwita Sarkar
7. **Name of Non-teaching staff:** Suman Chatterjee, Sukanta Roy, Nayan Ghosh, Shipen Barman, Dhiraj Chakraborty, Vivekananda Chowdhury, Atul Singha

8. **Students' strength:**

Students		Male	Female	Total
Part-I	1 st Sem	-	-	
	2 nd Sem	15	17	32
Part-II	3 rd Sem	-	-	
	4 th Sem	5	24	29

9. **Seminar/ Conferences attended (Outside the country & within the country):**

Name of teacher	Title of Conference / Seminar	Venue & date	Title of the Paper presented
Prof. B.N. Chakraborty	National Symposium on 'Emerging Trends in Plant Sciences' and 38 th All	Department of Botany, Jaipur University, October	Signal conflicts and potential trade-offs in plant defense to multiple attackers

	India Conference of Indian Botanical Society	26-28, 2015	
Prof. B.N. Chakraborty	National Symposium on “ <i>Microbial Diversity and its impact</i> ”	Indian Mycological Society, Dept. of Botany, Calcutta University, February 18-19, 2016	Harnessing beneficial microbial resources, analysis of their diversity and development of bioformulations for crop improvement
Prof. B.N. Chakraborty	6 th International Conference on “ <i>Plant, Pathogens and People: Challenges in Plant Pathology to benefit humankind</i> ”	NASC Complex, ICAR, New Delhi February 23-27, 2016	Scoping the potential uses of beneficial microorganisms for biopesticide industry and entrepreneurship development in crop protection
Prof. B.N. Chakraborty	National Symposium on ‘ <i>Food Security through Plant Health Protection</i> ’ and 37 th Annual Conference of ISMPP	Rajendra Agricultural University, Samastipur, Bihar April 4-6, 2016	Biochemical responses of <i>Sorghum bicolor</i> and <i>Triticum aestivum</i> to spot blotch disease and induction of resistance by plant growth promoting rhizobacteria
Prof. Usha Chakraborty	National Symposium on ‘Emerging Trends in Plant Sciences’ and XXXVIII th All India Condia Conference of Indian Botanical Society	Department of Botany, Jaipur University October 26-28, 2015	Alleviation of abiotic stresses in crops by beneficial microorganisms with multi-functional traits
Prof. Usha Chakraborty	National Symposium on ‘Microbial Diversity and its impact’	Indian Mycological Society, Dept. of Botany, Calcutta University, February 18-19, 2016	Resistance in tea plants against root rot pathogens induced by arbuscular mycorrhizal fungi and plant growth promoters
Prof. Usha Chakraborty	National Symposium on ‘Food Security through Plant Health Protection’ and 37 th Annual Conference of ISMPP	Rajendra Agricultural University, Samastipur, Bihar April 4-6, 2016	Unraveling cross talk in biotic and abiotic stress signaling for development of strategies to enhance crop tolerance to combined stresses
Prof. Aniruddha Saha	6 th International Conference on “ <i>Plant, Pathogens and People: Challenges in Plant Pathology to benefit humankind</i> ”	NASC Complex, ICAR, New Delhi February 23-27, 2016	Study of PAL gene expression in BTH induced resistance developed in tea plant against <i>Colletotrichum camelliae</i>
Prof. Arnab Sen	International Frankia Conference	Montpellier, France	-----
Prof. Arnab Sen	International Microbial Conference	Setif, Algeria	-----
Prof. Arnab Sen	Annual general meeting, organized by SGM	Liverpool England	-----

Dr. Monoranjan Chowdhury	<i>Advances in Biology: Eastern Himalayan Perspective</i>	Kalingpong College, Darjeeling, West Bengal; October, 3-4, 2015.	-----
Dr. Monoranjan Chowdhury	Science in Bengal. Satellite conference	University of North Bengal, Darjeeling, West Bengal. June, 3-4, 2015.	-----
Dr. Palash Mandal	Defining Modern Biology: Plant & Microbes	University of Gour Banga. 10 th March, 2016.	Variation of antioxidant and antidiabetic activities of three unexplored fruits of Solanaceae during different stages of maturation and thermal processing
Dr. Palash Mandal	Plant and Microbe: Diversity and Utilization	Visva-Bharati, Santiniketan. March 19-20, 2016	Evaluation of antioxidant and antidiabetic activity of underexplored wild fruit of <i>Calamus erectus</i> Roxb.
Dr. Palash Mandal	Current Trends in Plant & Microbial Research	Raiganj University. March 16-17, 2016.	Influence of cultivars & antioxidants rich mulberry peptides on silkworm rearing
Dr. Palash Mandal	Science in Bengal	University of North Bengal, June 3-4, 2015.	-----
Dr. Subhas Chandra Roy	Science in Bengal. Satellite conference	University of North Bengal, Darjeeling, West Bengal. June, 3-4, 2015.	Role of Rice Grain for world food security.
Dr. Subhas Chandra Roy	National Seminar on Current Trends in Plant & Microbial Research (CTIPMR-2016).	March 16-17, 2016. Raiganj University, PO-Raiganj, UD, WB.	Invited Speaker: Rice Molecular Breeding for crop improvement.

10. **Organized Seminar/ Conferences (01-04-2015 to 31-03-2016)**

Name of the seminar/ conferences	Date of the seminar/ conferences	
NIL		

11. **Publications:**

	Name of the author(s)	Name of the Book/Journal/Volume	Year of Publication
1.	Mur L. A. J., Hauck B, Winters A., Heald J., Lloyd AJ, Chakraborty U. and Chakraborty B. N.	<i>Plant Pathology</i> 64: 1471-1483.	2015
2.	Chakraborty A.P., Chakraborty B.N. and Chakraborty U.	<i>Indian Phytopathology</i> 68 (3): 237-247.	2015
3	Roy S, Barman S, Chakraborty U and Chakraborty B.N.	<i>Journal of Mycology and Plant Pathology</i> , 45 (3) 267-272.	2015
4	Acharya, A., Ghosh, S. and Chakraborty, B.N.	<i>International Journal of Advanced Biological Research</i> 5 (4):327-333	2015

5	Khati, S. and Chakraborty, B.N.	<i>NBU Journal of Plant Sciences</i> 9(1): 78-86.	2015
6	Roy, S., Barman, S., Chakraborty, U. and Chakraborty, B.N.	<i>Journal of Mycopathological Research</i> 53(1):59-63	2015
7	Roy, S., Barman, S., Chakraborty, U. and Chakraborty, B.N.	<i>Journal of Applied Biology and Biotechnology</i> 3 (3):22-27.	2015
8	Acharya A, Chakraborty U, Ghosh S and Chakraborty B.N.	<i>NBU Journal of Plant Sciences</i> 9: 46-53.	2015
9	Sarkar J, Ray A, Chakraborty B.N. and Chakraborty U.	<i>European Journal of Biological Research</i> 6 (1): 1-13.	2016
10	Chakraborty B.N., Chakraborty U, De UK and Chakraborty AP	<i>Archives of Phytopathology and Plant Protection</i>	2016
11	Chakraborty U, Chakraborty B.N., Chakraborty A.P. and De U.K.	<i>Journal of Mycopathological Research</i> 54(2) : 211-224.	2016
12	Sarkar J, Chakraborty B.N. and Chakraborty U.	<i>Journal of Plant Stress Physiology</i> 2: 22-30.	2016
13	Chakraborty, B.N., Acharya, A. and Chakraborty, U.	<i>Journal of Mycopathological Research</i> 54(1):127-133	2016
14	Chakraborty, B.N., Chakraborty, U., Chakraborty, A.P. and Sashankar, P.	<i>Journal of Mycopathological Research</i> 54(1): 117-125.	2016
15	Chakraborty, B.N., Acharya, A., Chakraborty, U., Jha, D.K. and Rabha, J.	<i>Indian Phytopathology</i> 69 (2): 181-189	2016
16	Majumdar S and Chakraborty U.	<i>NBU J Plant Sciences</i> 9: 54-61.	2015
17	Majumdar S and Chakraborty U.	<i>World J Agricultural Sciences</i> 11 (6): 401-410.	2015
18	Lama R., Jaishee N. and Chakraborty U.	<i>World Applied Sciences Journal</i> 34 (2): 174-181.	2016
19	Kumari, S. and Sarkar, P.K.	<i>Food Control</i> 69, 20-29	2016
20	Sharma, A. and Sarkar, P.K.	<i>ENVIS Bulletin of Himalayan Ecology</i> 23, 85-91	2015
21	Rakshit, M., Nout, M.J.R. and Sarkar, P.K.	<i>Journal of Food Processing and Preservation</i> 39 (6), 1555-1565	2015
22	Saha, J. and Sarkar, P.K.	<i>NBU J Plant Sciences</i> 9 (1), 40-45	2015
23	Sharma, A., Kumari, S., Wongputtisin, P., Nout, M.J.R. and Sarkar, P.K.	<i>Journal of Applied Microbiology</i> 119 (1), 162-176	2015
24	Rakshit, M., Sharma, A., Saha, J. and Sarkar, P.K.	<i>LWT – Food Science and Technology</i> 63 (2), 814-820	2015
25	Rakshit, M., Saha, J. and Sarkar P.K.	<i>Journal of Food Processing and Preservation</i> 39 (1), 1-9	2015
26	Ghodhbane-Gtari F, N Beauchemin, M Louati, I Nouioui, A Ktari, K Hezbri, A Gueddou, A Chen, M Huntemann, N Ivanova, N Kyrpides, V Markowitz, K Mavrommatis, I Pagani, A Sen, L Wall, T Woyke, M Gtari, and L Tisa.	Genome Announcements 4.4 (2016): e00799-16	2016
27	Ghodhbane-Gtari F, N Beauchemin, A Geddou, K Hezbri, A Ktari, M Louati, I Nouioui, A Chen, M Huntemann, N	GenomeA 4.4 (2016): e00770-16	2016

	Ivanova, N Kyrpides, V Markowitz, K Mavrommatis, I Pagani, A Sen, L Wall, T Woyke, M Gtari, and L Tisa		
28	Goyal AK and A Sen.	Ind. J Biotechnol. 15:9-16.	2016
29	Thakur S and Sen A	DOI: 10.1007/s13199-016-0410-2. 70(1) 59–68 IF: 1.438	2016
30	Kar P, Dey P, Misra AK, Tapas Kumar Chaudhuri TK and Sen A.	Symbiosis. (Accepted). 70(1)159–168 IF: 1.438	2016
31	Sarkar I, Normand P, Tisa S. L, Gtari M, Bothra A and Sen A.	Symbiosis 70(1) 69–78. IF: 1.438	2016
32	Bose D, Sarkar I, Labar R, Oshone R, Ghazal R, Morris K, Abebe-Akele F, Thomas K W, Tisa S. L, Sen A.	Symbiosis. 70(1) 49–58. IF: 1.438	2016
33	Tisa S. L., Oshone R, Sarkar I, Ktari A, Sen A, Gtari M.	Symbiosis. 70(1) 5-16. IF: 1.438	2016
34	Saha MR, Dey P, Begum S, De B, Chaudhuri TK, Sarker DD, Das AP, Sen A	PLoS One. 2016 Mar 7; 11(3):e0150574. IF: 3.234	2016
35	Rai, R., & Sen, A.	Journal of Academia and Industrial Research (JAIR), 4(1), 10-18	2015
36	Tisa, L. S., Beauchemin, N., Cantor, M. N., Furnholm, T., Ghodhbane-Gtari, F., Goodwin, L., ... & Kyrpides, N.	Genome announcements, 3(4), e00889-15.	2015
37	Labar R, Sen A.	NBU J Plant Science.9:18-32	2015
38	Sghaier H, Hezbri K, Ghodhbane-Gtari F, Pujic P, Sen A, Daffonchio D, Boudabous A, Tisa LS, Klenk HP, Armengaud J, Normand P, Gtari M.	ISME J. 10, 21–29 IF: 9.302	2016
39	Banerjee A, DK Sahoo, H Thatoi, BR Pati, KC Mondal, A Sen, PK Das Mohapatra.	J Bioinform 1:67-82	2015
40	Roy A, Mukhopadhyay S, Sarkar I, Sen A.	World J Microbiol Biotechnol 31(6) 959–981 IF:1.779	2015
41	Mishra T, AK Goyal and A Sen	Int. J. Fund. Appl. Sc. (in press)	2015
42	Mishra T, AK Goyal, A Sen.	Horticultrae 1(1), 3.	2015
43	Mishra T, AK Goyal, M Bhattacharya, P Kar and A Sen.	Research in Plant Biology. 5(1): 20-24	2015
44	Misra T. K., Nanda A. K., Mandal P. and Saha A.	<i>International Journal of Applied Research</i> 2(5): 77-85	2016
45	Chakraborty P., Das S., Saha A, Saha D. and Saha A.	<i>Plant Disease</i> 100(7): 1509	2016
46	Misra T. K., Nanda A. K., Mandal P. and Saha A.	<i>International Journal of Applied Research</i> 2(1): 601-605	2016
47	Saha Arnab, Das S., Chakraborty P., Saha B., Saha D. and Saha A.	<i>Journal of Agricultural technology</i> 12(2): 337-348	2016
48	Chakraborty P., Das S., Saha B., Sarkar P., Karmakar A., Saha A., Saha D. and Saha A.	<i>Canadian Journal of Microbiology</i> 61(8): 555-564	2015
49	A. Chowdhury, M. Chowdhury and A. P. Das	<i>Pleione</i> 9(1): 160 - 166.	2016
50	A. Chowdhury, Sarkar S and M.	<i>Int. Res. J. Biological Sci.</i> 5(1),	2016

	Chowdhury	47-53.	
51	A. Chowdhury, M. Chowdhury and A. P. Das	<i>Pleione</i> 9(1): 160 - 166.	2016
52	A. Chowdhury, M. Chowdhury and A. P. Das	<i>Asian J. Biol. Life Sci.</i> Jan-Apr 4:1. 38-40.	2015
53	A. Chowdhury, S. Sarkar, P. Roy, S. Mandal and M. Chowdhury	<i>The International Journal of Science & Technoledge.</i> 3:12.164-168.	2015
54	S Jha, P Mandal, P Bhattacharyya and A Ghosh	International Journal of Pure & Applied Bioscience, 3(2): 63-71.	2015
55	S Jha, P Bhattacharyya, A Ghosh and P Mandal	NBU Journal of Plant Sciences, 9(1): 98-106.	2015
56	SK Gupta and P Mandal	Free Radicals and Antioxidants, 5(2):74-82.	2015
57	S Mukhia, P Mandal, DK Singh and D Singh	Journal of Chemical and Pharmaceutical Research, 7(10): 890-900.	2015
58	A Subba and P Mandal	Free Radicals and Antioxidants, 5(1):1-7.	2015
59	A Subba and P Mandal	Pharmacognosy Journal, 7(6):348-55.	2015
60	S Jha, P Bhattacharyya, A Ghosh and P Mandal	International Journal of Pharmacy and Pharmaceutical Sciences, 8(4): 307-314.	2016
54	Roy Subhas Chandra	Plant Gene & Trait, 6 (5): 1-6.	2015
55	Roy Subhas Chandra	Int J of Agril Inno and Research, 3(6): 1869-1875.	2015
56	Roy Subhas Chandra	Int J of Current Advanced Research, 4(6): 132-148.	2015
57	Roy Subhas Chandra	NBU J plant Science, 9(1): 94-97.	2015

12. Research Projects (Major & Minor)

Sl. No.	Major Research Project		
	Title of the Scheme Project	Sanctioned Authority	PI & Co-PI
1	Molecular detection, diversity analysis and phylogeny of RNA viruses causing diseases of horticultural crops in north-east India for the development of easy diagnostic device	UGC	Prof. Aniruddha Saha
2	Studies of the expression of haemoglobin genes and production Nitric Oxide in response symbiotic frankia in <i>Alnus nepalensis</i>	UGC	Prof. Arnab Sen
3	Screening of resistance in wheat germplasm against spot blotch disease and immunological characterization of defense proteins triggered by <i>Bipolaris sorokiniana</i>	CSIR	Prof. B. N. Chakraborty (PI) Prof. U. Chakraborty (Co-PI)
4	Development of Biformulations with PGPR, PGPF and AMF for induction of resistance in	ICAR	Prof. B. N. Chakraborty (PI)

	cereals and pulses against fungal pathogens and improvement of their health status [Networking Project of AMAAS]		Prof. U. Chakraborty (Co-PI)
5	A Bioinformatics perspective to impede the tubercle bacillus (TB) devastation in West Bengal	WB-DBT	Prof. Arnab Sen
6	Establishment of Rural Bio resource Complex in North Bengal [A Collaborative Project with UBKV]	DBT	Prof. B. N. Chakraborty (PI) Prof. U. Chakraborty (Co-PI)
7	Prevalence, Survival, Growth Characteristics, and Toxigenicity of Foodborne Bacterial Pathogens in Processed Foods, Marketed in the Town of Siliguri	UGC-SAP	Prof. P. K. Sarkar Dr. P. Mandal
8	Activation of defense in Mandarin (<i>Citrusreticulata</i>) plants against root rot pathogens using AMF PGPF and PGPR for improvement of their health status in Darjeeling Hill	UGC-SAP	Prof. B. N. Chakraborty Prof. U. Chakraborty, Prof. A. Saha
9	Habitat analysis, conservation and genomic studies of some RET plants of Terai, Duars and hills of Darjiling	UGC-SAP	Prof. A. P. Das, Prof. A. Sen, Dr. S. C. Roy, Dr. M. Chowdhury

Sl. No.	Minor Research Project		
	Title of the Scheme Project	Sanctioned Authority	PI & Co-PI
10	Study of Pollen ultra-morphology of some aquatic and semi-aquatic herbs from the North Bengal plains	NBU	Dr. M. Chowdhury
11	Pilot Project at TLDP Stage – IV for collection and conservation of Orchids and other Epiphytes from submerged area	NHPC Pvt. Ltd.	Dr. M. Chowdhury
12	QTLs Mapping and Genotyping-by-Sequencing (GBS) of the RIL Lines for the Improvement of Aromatic Tulaipanji Rice of West Bengal using Molecular Breeding.	University Project (NBU)	Dr. Subhas Chandra Roy
13	Habitat analysis, conservation and genomic studies of some RET plants of Terai, Duars and hills of Darjeeling. <i>Subheading:</i> Rice genetic diversity and conservation.	UGC-SAP	Dr. Subhas Chandra Roy

13. Visiting Fellow: NIL

14. Any other information:

Awards/ Honours received

Prof. B. N. Chakraborty	(a) Elected as Fellow of Mycological Society of India (FMIS)- 2015 (b) Elected as Fellow of National Academy of Agricultural Sciences (FNAAS)-2016 (c) Elected as Fellow of Indian Mycological Society (FIMS) – 2016 (d) Elected as President of Indian Phytopathological Society (IPS)-2016 (e) Elected as Vice President of Indian Mycological Society (IMS) – 2016
-------------------------	---

Bio-Informatics Facilities

Coordinator: Dr Arnab Sen

Deputy Coordinator: Dr. AK Bothra

The center has every modern facility of information and communication including necessary hardware and software. There were a number of publications in journals and posters presented in national and international conferences on the relevant areas.

Major research activities in Biotechnology and its related fields:

At NBU major research activities are clustered in the arenas of molecular genetics, microbial biotechnology, plant tissue culture, immunology, microbial genomics, transgenics, genomics and proteomics of nitrogen fixing bacteria and food pathogenic bacteria.

Area of specialization of the centre:

Microbial genomics, molecular modeling, molecular dynamics, structural bioinformatics and molecular phylogenetics.

Major activities of the centre during the year 2015-16:

A National Workshop was organized on February 25th-27th 2016 at University of North Bengal.

Infrastructure facilities in the Bioinformatics Centre: Computer and communication:

One Dell™ Rack Mount Server, One Apple IMAC machine, One HP laserjet Colour Printer, One HP Scanjet Scanner, 0.22 PCs with OS, Two High end servers and a Medium end server, One Toshiba make Laptop, One Laser printer (network), one Desk-Jet printer, One Canon make Photocopier, one Sony make LCD Projector, CISCO 1700 Leased line Router. **Scientific and Software packages:** Two Windows 2003 Server with license, 10 Windows XP Professional with license, 8 Windows VISTA with License, Microsoft ISA Server 2005 for Proxy Server, one Microsoft Visual Studio, .NET, MS SQL Server (Std.), MS Office 2003, Fedora 7 Linux, Ubuntu Linux, Red-Hat Enterprise Linux, 14 Quick Heal AVG Antivirus Package. Acclerys Gene Package, MAUVE, GRIL, GENOME BROWSER, BIOEDIT, CODONS, CODON W, MATLAB 5.0, MODELLER 9v7, Autodock, CLUSTAL W, CLUSTAL X, DNAsp 4.0, MEGA 4.0, TREEVIEW, MR. BAYES, PHYLODRAW, CHIMERA, SPDBV, RASMOL, PHYLIP, PAUP, HYPHY, GLIMMER, HUMMER, AMORPHA, GENETRACE, GROMACS, CHEMDRAW, Cn3D, SPLITSTREE, DAMBE, VMD, Jcat, Argus Lab, C++ and PERL.

Other resources:

10 Mbps Line from Reliance and BSNL.

Details about staff members working in the center:

Sl No.	Name of the Staff	Designation	Working Since
1	Pallab Kar	Research Associate	May 2014- till date
2	Indrani Sarkar	Studentship Holder	May 2014- till date
3	Krishanu Ghosh	Data Entry Operator	September 2009-till date
4	Arnab Kumar Chakraborty	Traineeship Holder	January 2013- till date

Types of service provided: The center provides access to the faculty members, research scholars and students from nearby universities, colleges and research institutions interested in working in the field of bioinformatics.

Educational activities with details of placement:

Five PhD students (Ayan Roy, Sanghati Bhattacharya, Pallab Kar, Indrani Sarkar and Arnab Kumar Chakraborty) are currently engaged in their research work utilizing the facility. Mr. Saubashya Sur, Mr. Uttam Kumar Mondal and Miss Subarna Thakur have already been awarded their Ph.D. degree. Besides faculty members, students and research scholars from other departments, institutes and nearby areas utilize this facility.

Databases and software developed:

We have developed programs for codon usage analysis and another for phylogenetic analysis. A database named **BAMBOOINFOLINE**- a database for North Bengal bamboo's (<http://www.bamboodb.ind.in/>) has been developed. We have accomplished constructing a database on secretome analysis of *Mycobacterium* –**MycoSec** (<http://www.bicnbu.in/mycosec/>).

Initiation of R&D activities in Bioinformatics:

The Coordinator's group is actively engaged in research in the field of genomics and proteomics of nitrogen fixing bacteria and food pathogenic bacteria. Protein structure prediction, biological sequence analysis, phylogenetic study, molecular modeling and molecular docking are the major thrust areas.

Research publications from the Centre (2015-16):

1. Saha MR, Dey P, Begum S, De B, Chaudhuri TK, Sarker DD, Das AP, Sen A. (2016) Effect of *Acacia catechu* (L.f.) Willd. on Oxidative Stress with Possible Implications in Alleviating Selected Cognitive Disorders. *PLoS One*. 7; 11(3):e0150574.
2. Sghaier H, K Hezbri, F Ghodhbane-Gtari, P Pujic, A Sen, D Daffonchio, A Boudabous, L Tisa, H - Peter Klenk, J Armengaud, P Normand and M Gtari (2015). "Stone-dwelling actinobacteria *Blastococcus saxosidens*, *Modestobacter marinus* & *Geodermatophilus obscurus* proteogenomes" by, [Paper #ISMEJ-15-001570AR].
3. Ray A, S Mukherjee, I Sarkar and A. Sen (2015). Comparative investigation of the various determinants that influence the codon and amino acid usage patterns in the genus *Bifidobacterium*. *World J Microbiol Biotechnol* (accepted).
4. Kar P, Goyal AK and Sen A (2015). Maturase K gene in plant DNA barcoding and phylogenetics. In: Ali M. A., Gyulai G., Al-Hemaid F (Edn.), *Plant DNA barcoding and phylogenetics*, pp. 79-90. LAP LAMBERT Academic Publishing, Germany.
5. Mishra T, AK Goyal, M Bhattacharya, P Kar and A Sen. (2015). polyethylene glycol mediated protoplast fusion of medicinally important *Canna*. *Research in Plant Biology*. 5(1): 20-24.
6. Banerjee A, DK Sahoo, H Thatoi, BR Pati, KC Mondal, A Sen, PK Das Mohapatra (2015). Structural Characterization and Active Site Prediction of Bacterial Keratinase through Molecular Docking. *J Bioinform* 1:67-82.
7. Mishra T, AK Goyal and A Sen (2015) An overview on the in vitro regeneration of *Canna*. *Int. J. Fund. Appl. Sc.* (in press)
8. Goyal AK and A Sen (2015). *In vitro* regeneration of bamboos, the Green gold: An overview. *Ind. J Biotechnol.* (in press)
9. Dey P, MR Saha, SR Chowdhuri, A Sen, MP Sarkar and TK Chaudhuri (2015). Assessment of anti-diabetic activity of an ethnopharmacological plant *Nerium indicum* through alloxan induced diabetes in mice. *J Ethnopharma* (publish online).

10. Saha MR, R Rai, P Kar, A Sen and DD Sarker (2015) Ethnobotany, traditional knowledge and socioeconomic importance of native drink among the Oraon tribe of Malda district in India. *J Intercult Ethnopharmacol.* 4: 34-39.

11. Saha MR, P Dey, TK Chaudhuri, DD Sarker, AK Goyal and A Sen (2015). Assesment of haemolytic cytotoxic and free radical scavenging activities of an underutilized fruit, *Baccaurea sapida* (Roxb.) Muell. *Arg. Ind. J. Expl. Biol.* (accepted)

Future activities:

- Updation of database MycoSec.
- Development of database on secretomes of probiotic bacteria.
- Annotation and analysis of five *Frankia* genomes whose sequencing has been undertaken.
- Bioinformatics analysis of nitrogen fixing and food pathogenic bacterial genomes.
- Comparative genomics of bacterial genomes that constitute the flora of normal human gut.
- Molecular modeling of some nitrogen fixing proteins and bacterial toxin proteins.
- Publication of Newsletter and conducting various training programs/workshops and seminar/conference in bioinformatics in North Bengal and adjoining areas.

Additional Details:

Coordinator: Dr. Arnab Sen

NBU Bioinformatics Facility, Department of Botany, University of North Bengal, Siliguri-734013

Phone: +91-353-2699118, Fax: 0353-2699106

E-mail: senarnab_nbu@hotmail.com, nbengaluniv.btisnet@mail.nic.in

Deputy Coordinator: Dr. Asim K Bothra

Chemiiinformatics Bioinformatics Laboratory

Department of Chemistry

Raiganj (University) College, Raiganj-733134 Phone: 9474441570; E-mail: asimbothra@gmail.com

Department of Chemistry

1. **Name of the Department** : Chemistry
2. **Date of Establishment** : 1963
3. **Introduction of the Department** : 1963
4. **Name of the Faculty** :

Professor	Assoc. Professor	Asst. Professor
P. S. Roy	P. Bandyopadhyay	B. Sinha
S. K. Saha	A. K. Nanda	S. Das
B. Basu	A. Majumder	
M. N. Roy		
P. Ghosh		
A. K. Panda		
A. Misra		

5. **Name of the Research Scholars:**

Sl. No.	Name of the Scholar	Designation	Funding Agencies
01	Miss Koyeli Das	JRF	UGC-RGNF D
02	Mr. Milan Ch. Roy	RA	UGC-BSR
03	Mr. Bittu Saha	JRF	UGC-BSR
04	Miss Gulmi Chakrabarty	JRF	UGC-BSR
05	Mr. Rabindra Nath Singha	JRF	UGC
06	Mr. Prasun Chowdhury	JRF	CSIR
07	Mr. Dibakar Roy	JRF	UGC
08	Mr. Kanak Roy	SRF	UGC-RGNF
09	Mr. Pritam Guha	SRF	UGC-BSR
10	Mr. Biplab Roy	SRF	DST
11	Miss Manoswita Homray	JRF	UGC
12	Miss Tanushri Sutradhar	JRF	UGC-RGNF
13	Mr. Abhijit Sarkar	JRF	UGC
14	Mr. Rajendra Pradhan	Teacher Fellow	UGC
15	Mr. Dipu Misra	JRF	UGC-BSR
16	Mr. Koushik Acharjee	JRF	UGC-BSR
17	Miss Puja Basak	JRF	CSIR
18	Miss Bijeta Mitra	JRF	CSIR
19	Mr. Biraj Kr. Barman	JRF	UGC-RGNF
20	Mr. Subhadeep Saha	SRF	UGC
21	Mr. Sujan Paul	JRF	UGC
22	Mr. Biswajit Datta	SRF	UGC
23	Miss Siti Barman	SRF	UGC
24	Miss Pradipta Sarbadhikary	SRF	UGC
25	Miss Babli Roy	Teacher Fellow	UGC
26	Mr. Kinkar Biswas	Teacher Fellow	UGC
27	Mr. Sujit Ghosh	Teacher Fellow	UGC

28	Mr. Manoj Mazumder	Teacher Fellow	UGC
29	Miss Sultana Yasmin	JRF	UGC
30	Smt. Amrita Mitra	SRF	UGC-BSR
31	Miss Ananya Das	JRF	UGC
32	Mr. Sankar Saha	JRF	UGC
33	Miss Aditi Roy	JRF	UGC
34	Mr. Gourav Karmakar	SRF	DST
35	Mr. Biplab Rajbanshi	JRF	UGC
36	Mr. Raja Ghosh	JRF	UGC
37	Miss Mitali Kundu	JRF	UGC-BSR
38	Md. Musharaf Hossain	SRF	UGC-BSR
39	Mr. Prasanjit Ghosh	SRF	UGC
40	Miss Ananya Yasmin	JRF	UGC
41	Mr. Bhaskar Ganguly	SRF	UGC
42	Mr. Siddhartha Baisya	SRF	UGC
43	Miss Suchandra Bhattacharya	JRF	CSIR

6. Name of the Project Scholars :

Sl. No.	Name of the Project Scholar (s) -
1	D. Tamal Goswami
2	Miss Madhurima Paulchowdhuri

7. Name of the Non-Teaching Staff :

Name	Designation
S. K. Ghosh	Record supplier
N. C. Barman	Lab Attndt., Grade II
G. C. Roy	Lab Attndt., Grade II
H. L. Tigga	Sr. Peon
A. Sharma	Lab Attndt., Grade III
Y. Mandal	Lab Attndt., Grade III
S. Roy	Tech. Asstt., Grade I
D. J. Roy	Tech. Asstt., Grade II
S. Mozumder	Tech. Asstt., Grade II
A. Sarkar	Tech. Asstt., Grade II
N. Paul	Office Assistant (Contractual)

8. Students Strength

Students		Male	Female	Total
Part - I	1 st Sem.	30	19	49
	2 nd Sem.	30	19	49
Part - II	3 rd Sem.	29	19	48
	4 th Sem.	29	19	48

9. Seminar/Conference attended (Outside the Country & Within the Country) :

Name of the teacher	Name of the Seminars/ Conference	Venue & Date	Title of the paper Presented
Prof. M. N. Roy	International Conference	Athens, Greece July, 2015	Inclusion complexation between bioactive molecules and cyclodextrins
	International Conference	Rajshahi University, Bangladesh February, 2016	Host Guest Complex Molecules
	National Seminar under UGC-SAP, DRS-III, At Dept. of Chemistry, Gauhati University, ASSAM	Gauhati University, ASSAM November, 2015	Study to Explore Host Guest Inclusion Complexes
	CHEMIST CONVENTION CONDUCTED BY INDIAN CHEMICAL SOCIETY, At JAIPUR, RAJASTHAN	JAIPUR, RAJASTHAN December 2015	Hollow Cylinder Based on Self Assembly Inclusion of Neurotransmitters
Prof. S. K. Saha	Asian Conference on Colloid and Interface Science (ACCIS 2015)	Nagasaki International Univ., Japan. November 24 – 27, 2015	In Quest of the Role of Aromatic Aminoacids in Tuning Local Curvature of Biological Membranes
	National Conference on Surfactants, Emulsions & Bocolloids (NATCOSEB XVII)	Pt. Ravishankar Shukla Univ., Raipur India.	Tuning of Spontaneous Curvature of Cationic Micelles by Aromatic Aminoacids.
Prof. B. Basu	Visiting Professor	Umea University, Umea, Sweden January, 2016	Graphene-Based Functionalized Carbon Materials as Catalyst and Catalytic Support
Prof. A. Misra	ACCIS 2015	Sasebo, Japan November 24-27, 2015	Purpose oriented customization of the shape and size of NPs: A theoretical venture
Dr. B. Sinha	Recent Trends on Chemistry and Biology Interface	CRSI NBU Chapter, Dept. of Chemistry, N. B. U, 28/08/2015	Attended
	Frontiers in Chemistry-2016	Dept. of Chemistry, N. B. U, 07/03/16-08/03/16	Attended

10. Organized Seminar/Conferences:

Name of the Seminar/Conference	Date of the Seminar/Conference	
Seminar lecture by Dr. Bipul B. Saha, Senior Scientist, Nagarjuna Agrochem, Hyderabad, on "R&D Activities at Nagarjuna Group: Crop Protection Chemicals and Plant Nutrients"	April 09, 2015 Department of Chemistry, NBU	
An invited talk presented by Prof. Subrata Ghosh, FNA, FASc, Department of Organic Chemistry, Indian Association for the Cultivation of Science (IACS), Jadavpur, Kolkata-700032 on "Creating Molecular Complexity through Olefin Metathesis towards Natural Products Synthesis"	May 27, 2015 Department of Chemistry, NBU	
An invited talk presented by Dr. Amlanjyoti Dhar, USA on "Peptide Based New Optical Biosensor"	February 15, 2016 Department of Chemistry, NBU	
An interactive session with the faculty members, research scholars and students presented by Prof. G. Mehta, FNA, FRS, Lilly-Jubilant Chair, School of Chemistry, University of Hyderabad	February 17, 2016 Department of Chemistry, NBU	
"Frontiers in Chemistry - 2016" jointly funded by UGC and UGC-SAP(DRS-III)	March 7 & 8, 2016 Department of Chemistry, NBU	
An invited presented by Prof. Nilashis Nandi, Department of Chemistry, University of Kalyani.	18.03.2016 Department of Chemistry, NBU	

11. Publication:

Sl. No.	Name of the Author	Name of the Book/Journal/Volume	Year of Publication
1.	M. N. Roy* , S. Saha, A. Roy, K. Roy	Study to explore the mechanism to form inclusion complexes of β -cyclodextrin with vitamin molecules, Scientific Reports, 2016, 6, doi: 10.1038/srep35764.	2016
2.	M. N. Roy* , S. Barman, D. Ekka, S. Saha	NMR, surface tension and conductance study to investigate host-guest inclusion complexes of three sequential ionic liquids with β -cyclodextrin in aqueous media. Chemical Physics Letters, 2016, 658, 43-50.	2016
3.	M. N. Roy* , A. Roy, S. Saha	Study to explore host-guest inclusion complexes of cyclodextrins with biologically active molecules in aqueous environment. Fluid Phase Equilibria, 2016, 425, 252-258.	2016
4.	M. N. Roy* , S. Barman	Hollow Circular Based on Inclusion Complexes of Ionic Liquid. RSC Adv., 2016.	2016
5.	M. N. Roy* , S. Saha, T. Ray, S. Basak	NMR, surface tension and conductivity studies to determine the inclusion mechanism: thermodynamics of host-guest inclusion complexes of natural amino acids in aqueous cyclodextrins. New. J. Chem., 2016, 40, 651-661.	2016
6.	M. N. Roy* , A. Roy, S. Saha	Probing inclusion complexes of cyclodextrin by physicochemical approach. Carbohydrate Polymers.	2016

		2016, 151, 458-466.	
7.	M. N. Roy* , A. Roy, S. Saha, B. Datta	Insertion behavior of imidazolium and pyrrolidinium based ionic liquids into α and β -cyclodextrins: Mechanism and factors leading to host-guest inclusion complexes, RSC Adv., 2016, 6, 100016-100027.	2016
8.	M. N. Roy* , M. C. Roy · S. Choudhury	Supramolecular Assembly of Ionic Liquid with Cyclic Oligosaccharide in Aqueous Environments, International Journal of Development Research, 2016, 06, 9249-9255.	2016
9.	M. N. Roy* , M. C. Roy	Study to explore diverse interactions of amino acids and vitamin molecule in aqueous environment, Physics and Chemistry of Liquids, doi.org/10.1080/00319104.2016.1218007.	2016
10.	M. N. Roy* , B. Datta	Physicochemical Study of Solution Behavior of Ionic Liquid Prevalent in Diverse Solvent Systems at Different Temperatures, Chemical Physics Letters, 2016, 665, 85-94.	2016
11.	M. N. Roy* , S. Barman and S. Saha	Probing Inclusion Complex Formation of Amantadine Hydrochloride with 18-Crown-6 in Methanol by Physicochemical Approach, DOI 10.1515/zpch-2016-0804.	2016
12.	M. N. Roy* , Milan Chandra Roy, Siti Barman, Pran Kumar Roy, Kamallesh Roy	Study on Diverse Interactions of Vitamin Molecules Insight into H_2O^+ [Epy]BF ₄ Systems by Physicochemical Contrivance. Ind. J. Adv. Chem. Sci. (2015) 3(3), 204-218.	2015
13.	M. N. Roy* , B. Datta	M. N. Roy* , B. Datta, Essential foundation of triple-ion and ion-pair formation of tetraheptylammonium iodide (Hept4NI) salt in organic solvents investigated by physicochemical approach, Phys. Chem. Liq. (2015), 53(5), 574-586.	2015
14.	M. N. Roy* , S. Choudhury, D. Ekka	Extensive Study on Molecular Interactions of Three Essential Amino Acids Insight into H_2O^+ [bmpyrr] PF ₆ Media. Chem. Sc. Rev. Lett., 2015, 4(16), 1034-1041.	2015
15.	M. N. Roy* , Pritam De and Partha Sarathi Sikdar	Physicochemical study of solution behaviour of alkali metal perchlorates prevailing in N,N-Dimethyl Formamide with the manifestation of ion solvation consequences. J Mol. Liq., 2015, 204, 243-247.	2015
16.	M. N. Roy* , Ishani Banik	Structural effects of three carbohydrates in nicotinic acid/water mixed solvents Original. J Mol. Liq., 2015, 203, 66-79.	2015
17.	M. N. Roy* , Kanak Roy, Mitali Kundu, Biraj Kumar Barman	Study of Solvation Consequences of 1-Butyl-1-Methylpyrrolidinium Bromide and Chloride Prevailing in Protic Solvent System. Ind. J. Adv. Chem. Sci. 3(4)(2015) 304-314.	2015
18.	M. N. Roy* , Milan Chandra Roy and Kanak Roy.	Investigation of an inclusion complex formed by ionic liquid and β -cyclodextrin through hydrophilic and hydrophobic interactions. RSC Adv., 2015, 5,	2015

		56717-56723.	
19.	M. N. Roy*, T. Ray	Study to explore assorted interfaces of an ionic liquid prevailing in solvent systems by physicochemical approach. <i>RSC Adv.</i> , 2015, 5, 89431-89440.	2015
20.	M. N. Roy*, Biswajit Datta, Siti Barman	Self assembly inclusion of ionic liquid into hollow cylinder oligosaccharides. <i>J Mol. Liq.</i> , 2016, 214, 264-269.	2016
21.	M. N. Roy*, Kanak Roy, Koyeli Das and Biraj Kumar Barman	Self-assembly inclusion of green solvent with oligosaccharides. <i>J Mol. Liq.</i> , 2016, 216, 132-136.	2016
22.	M. N. Roy*, S.Choudhury, K. Roy	Physicochemical Study on Solvation Behavior of Biologically Active Molecules in Aqueous 18C6 Systems, <i>Journal of Advanced Chemical Sciences</i> , 2016, 2, 279-283.	2016
23.	M. N. Roy*, S. Saha, S.Barman and D. Ekka	Host-guest inclusion complexes of RNA nucleosides inside aqueous cyclodextrins explored by physicochemical and spectroscopic methods. <i>RSC Adv.</i> , 2016, 6, 8881-8891.	2016
24.	M. N. Roy*, K.Das	Study on Solution Behavior of Some Oxalate Salts in Aqueous Vitamin Solutions. <i>IJACS</i> , 2016.	2016
25.	M. N. Roy*, S. Saha, M. Kundu, B. C. Saha, S. Barman	Exploration of inclusion complexes of neurotransmitters with β -cyclodextrin by physicochemical techniques <i>Chemical Physics Letters</i> . 2016, 655-656, 43-50.	2016
26.	M. N. Roy*, B. K. Barman	Physicochemical Study of Diverse Interactions Prevalent in Metal Oxalates and Uric Acid in Aqueous Environments, <i>JACS</i> , 2016.	2016
27.	M. N. Roy*, D. Ekka, T. Ray, K. Roy	Exploration of Solvation Consequence of Ionic Liquid [Bu4PCH3SO3] in Various Solvent Systems by Conductance and FTIR Study. <i>Journal of chemical and engineering data</i> , 2016,61(7), 2187-2196.	2016
28.	Siddhartha S. Baisya, B. Ghosh and Parag S. Roy	<i>Acta Cryst E</i> 71, m 162 - m 163	2015
29.	M. Jha, S. Bardhan, G. Chakraborty, S. K. Saha	<i>Journal Polymer Research</i> , 22, 164 (1-9)	2015
30.	S. Bardhan, K. Kundu, G. Chakraborty, B. K. Paul S. K. Saha,	<i>Journal of Surfactants and Detergents</i> 18, 547-567.	2015
31.	K. Kundu, S. Bardhan, S. Banerjee, G. Chakraborty, B. K. Paul, S. K. Saha,	<i>Colloids and Surfaces A</i> 469, 117-131.	2015
32.	K. Kundu, S. Bardhan, B. K. Paul, S. K. Saha,	Chapter 20, in <i>Ionic Liquid-Based Surfactant Science: Formulation, Characterization, and Applications</i> edited by Bidyut K. Paul and Satya P. Moulik; John Wiley & Sons, Inc. Hoboken, NJ	2015

		07030, (2015) Book ISBN: 9781118834190.	
33.	M. Jha, S. Bardhan, G. Chakraborty, B. Debnath, S. K. Saha	<i>Journal Polymer Research</i> 23, 162 (1-11)	2015
34.	S. Bardhan, K. Kundu, B. Kar, G. Chakraborty, D. Ghosh, D. Sarkar, S. Das, S. Senapati, B. K. Paul, S. K. Saha	<i>RSC Advances</i> , 6, 55104–55116.	2016
35.	K. Kundu, A. Das, S. Bardhan, G. Chakraborty, D. Ghosh, B. Kar, S. K. Saha , S. Senapati, R. K. Mitra, B. K. Paul	<i>Colloids and Surfaces A</i> 504, 331-342.	2016
36.	8. P. Ghosh, B. Kar, S. Bardhan, K. Kundu, Saha, S. K. Saha , B. K. Paul, S. Das	<i>Journal of Surface Science and Technology</i> 32, 8-16.	2016
37.	S. Bardhan, K. Kundu, G. Chakraborty, B. K. Paul, S. P. Moulik, S. K. Saha	Chapter 10, in <i>Encyclopaedia of Biocolloid and Biointerface Science</i> , Ed., H. Ohshima, John Wiley & Sons., NJ, USA, ((In Press). ISBN 13: 9781118542767.	2016
38.	B. Basu*, S. Paul, S. Kundu, E. Byström, K. Irgum, F. Almqvist*	Organic polymeric resins embedded with Pd NPs: Newly designed, efficient and chemoselective catalyst for reduction of nitroarenes, <i>Curr. Organocatalysis</i> , In press 2016.	2016
39.	D. Sengupta, B. Roy, B. Basu,*	Microwave-assisted Formation of Organic Disulfides of Biochemical Significance, <i>Curr. Med. Chem.</i> 2016, DOI: 10.2174/0929867323666160418115719.	2016
40.	K. Biswas, S. Ghosh, P. Ghosh, B. Basu,*	Cyclic ammonium salts of dithiocarbamic acid: Stable alternative reagents for synthesis of S-alkyl carbodithioates from organyl thiocyanates in water, <i>J. Sulf. Chem.</i> 2016, DoI: 10.1080/17415993.2016.1166225.	2016
41.	B. Roy, S. Ghosh, P. Ghosh and B. Basu*	Graphene oxide (GO)-catalyzed one-pot metal-free synthesis of quinoxalines from 2-nitroaniline: An efficient and greener process, <i>ChemInform</i> , 47, 2016, DoI: 10.1002/chin.201612191.	2016
42.	A. Chakravarty, D. Sengupta, B. Basu,* A. Mukherjee, and G. De*	MnO ₂ Nanowires Anchored on Amine Functionalized Graphite Nanosheets: Highly Active and Reusable Catalyst for Organic Oxidation Reactions, <i>RSC Adv.</i> 2015, 5, 92585	2016
43.	B. Roy, S. Ghosh, P. Ghosh and B. Basu*	Graphene oxide (GO)-catalyzed one-pot metal-free synthesis of quinoxalines from 2-nitroaniline: An efficient and greener process, <i>Tetrahedron Lett.</i>	2015

		2015, 56, 6762.	
44.	S. Kundu and B. Basu,*	Graphene Oxide (GO)-catalyzed Multi-component Reactions: Green Synthesis of Library of Pharmacophore 3-Sulfenylimidazo[1,2-a]pyridines, <i>RSC Adv.</i> , 2015, 5, 50178.	2015
45.	P. Ghosh , G. C. Pariyar, B. Saha, and R. Subba	FeCl ₃ -silica: A Green Approach for the Synthesis of Nitriles From Oximes, <i>Synthetic Communication</i> , 2016, 46(8), 685.	2015
46.	Kinkar Biswas, Sujit Ghosh, Pranab Ghosh and Basudeb Basu,	Cyclic ammonium salts of dithiocarbamic acid: stable alternative reagents for the synthesis of S -alkyl carbodithioates from organyl thiocyanates in water, <i>J. Sulfur Chemistry</i> , 2016, 37(4), 361.	2016
47.	Pranab Ghosh , Bittu Saha, Gyan Chandra Pariyar, Abiral Tamang, Raju Subba,	Fe ₃ O ₄ -nanoparticles catalyzed an efficient synthesis of nitriles from aldehydes, <i>Tett. Lett.</i> , 2016, 57, 3618.	2016
48.	P. Ghosh , A. Ghosh, A. Mandal, S. S. Sultana, S. Dey and C. Pal	Oxysterols: Synthesis and anti-leishmanial activities, <i>Steroids</i> , 2016, 107, 65.	2016
49.	G. Karmakar and P.Ghosh	Atom Transfer Radical Polymerization of Soybean Oil and Its Evaluation as a Biodegradable Multifunctional Additive in the Formulation of Eco-Friendly Lubricant, <i>ACS Sus. Chem. Eng.</i> , 2016, 4(3), 775.	2016
50.	M. Upadhyay and P. Ghosh	Isodecyl acrylate - olive oil copolymers as potential biodegradable additive for lubricating oil, <i>J Poly Res.</i> , 2016, 23, 100.	2016
51.	A. Mandal, A. Ghosh, S.Ghosh, A. K. Bothra and P. Ghosh ,	3-epihydroxy lup-20(29)-en-19(28)-olide: Partial synthesis, antitopoisomerase activity and 3D molecular docking, <i>Med. Chem. Res.</i> , 2016, 25, 1087.	2016
52.	Mahua Upadhyay, Kaushik Dey and Pranab Ghosh ,	Biodegradable multifunctional additives for lube oil – Synthesis and characterization, <i>Pet. Sci. Tech.</i> , 2016, 34(14), 1255.	2016
53.	P.Ghosh , M Das	Biocompatible multifunctional lubricating oil additives, <i>Pet. Sci. Tech.</i> , 2016, 34(15), 1367.	2016
54.	P. Ghosh , S. Talukder, M. Upadhyay and T. Das,	Multifunctional additive performance of acrylate-styrene copolymers, <i>J. Sci. Ind. Res.</i> , 2016, 75, 420.	2016
55.	Mahua Upadhyay and Pranab Ghosh ,	Multifunctional Lube Oil Additive, <i>Chem. Sci. Rev. Lett.</i> , Article In press (2016)	2016
56.	Babli Roy, Sujit Ghosh, Pranab Ghosh , Basudeb Basu,	Graphene oxide (GO) or reduced graphene oxide (rGO): efficient catalysts for one-pot metal-free synthesis of quinoxalines from 2-nitroaniline <i>Tett. Lett.</i> , 2015, 56(48), 6762.	2016
57.	A. Mandal, V. Das, P. Ghosh and S. Ghosh	<i>Anti-diabetic Effect of FriedelanTriterpenoids in Streptozotocin Induced Diabetic Rat</i> , <i>Nat. Pdt. Res.</i>	2015

		Com., 2015, 10, 1683.	
58.	P. Ghosh and R. Subba	MgCl ₂ .6H ₂ O catalyzed highly efficient synthesis of 2-substituted-1Hbenzimidazoles, <i>Tett. Lett.</i> , 2015, 56 , 2691.	2015
59.	G. Karmakar and P. Ghosh	Soybean Oil as a Biocompatible Multifunctional Additive for Lubricating Oil, <i>ACS Sus. Chem. Eng.</i> , 2015, 3 , 19.	2015
60.	P. Ghosh and D. K. Saha	Acrylate Terpolymers as Potential Pour Point Depressant and Viscosity Modifiers for Lube Oil, <i>Pet. Sci. Tech.</i> , 2015, 33 , 1126.	2015
61.	P. Ghosh , M. Hoque and D. Nandi	Homo- and Copolymers of Decyl Methacrylate as Performance Additives for Lube Oil, <i>Pet. Sci. Tech.</i> , 2015, 00 , 1. DOI: 10.1080/10916466.2015.1034364.	2015
62.	M. Hoque and P. Ghosh	Synthesis and performance evaluation of maleic anhydride based polymeric additives for Lubricating Oil, <i>Res. J. Chem. Environ</i> , 2015, 29 .	2015
63.	P. Ghosh and M. Hoque	Synthesis and Performance Evaluation of Vinyl Acetate-Maleic Anhydride Based Polymeric Additives for Lubricating Oil <i>Pet. Sci. Tech.</i> , 2015, 33 , 1182.	2015
64.	M. Upadhyay, P. Ghosh	Shear stability and anti wear properties of three different viscosity modifiers for lube oil, <i>J. Sci. Ind. Res.</i> , 2015, 74 , 567.	2015
65.	P. Ghosh , S. Talukder, M. Upadhyay and T. Das	Multifunctional additive performance of acrylate-styrene copolymers, <i>J. Sci. Ind. Res.</i> , 2016, 75 , 420	2015
66.	B. Bagchi, S. Sharma, A. Chatterjee, P. Ghosh , and A. K. Bothra	QSAR Study and Molecular Docking of 23-hydroxybetulinic Acid, Derivatives as RMGPα and HeLa Cells Inhibitors, 2015, 3 , 75.	2015
67.	B. Roy, S. Ghosh, P. Ghosh and B. Basu	Graphene oxide (GO) or reduced graphene oxide (rGO): efficient catalysts for one-pot metal-free synthesis of quinoxalines from 2-nitroaniline, <i>Tetrahedron Lett.</i> , 2015, 56 , 6762.	2015
68.	S. Shil, M. Roy and A. Misra	Role of Coupler to Design Organic Magnetic Molecules: LUMO Plays an Important Role in Magnetic Exchange, <i>RSC Adv.</i> 5 , 105574 – 105582 (2015).	
69.	S. Sarkar, P. Ghosh, A. Misra and S. Das	Regio-Controlled Nitration of 4-Quinolones at Ambient Conditions, <i>Synth. Comm.</i> 45 , 2386-2393 (2015).	2015
70.	S. Pal, T. Goswami and A. Misra	Noncomparative scaling of aromaticity through electron itinerancy, 5 , 107211 (2015)	2015
71.	S. Shil, D. Bhattacharya, A. Misra and D. J. Klein,	A high-spin organic diradical as a spin filter, <i>Phys. Chem. Chem. Phys.</i> 17 , 23378 (2015)	2015
72.	D. Bhattacharya, S. Shil, A. Misra, L. Bytautas and D. J.	Photomagnetic and Nonlinear Optical Properties in cis-trans Green Fluoroprotein Chromophore Coupled Bis-Imino Nitroxide Diradicals, <i>Int. J. Quantum</i>	2015

	Klein,	<i>Chem.</i> 115, 426-433 (2015).	
73.	D. Bhattacharya, S. Shil, A. Misra, L. Bytautas and D. J. Klein	Borazine: spin blocker or not?, <i>Phys. Chem. Chem. Phys.</i> 17, 14223-14237 (2015).	2015
74.	T. Goswami, S. Paul, S. Mandal, A. Misra, A. Anoop and P. K. Chattaraj	On the Existence of Bond Stretch Isomerism in Be_3^{2-} : A Theoretical Account, <i>Int. J. Quantum Chem.</i> 115, 426-433 (2015).	2015
75.	A. Sarkar, D. K. Mishra & B. Sinha	<i>Journal of Solution Chemistry</i> 45 (2016) 560-573.	2016
76.	A. Sarkar, B. K. Pandit & B. Sinha	<i>Journal of Chemical Thermodynamics</i> 98 (2016) 193-199.	2016
77.	B. K. Pandit, A. Sarkar & B. Sinha	<i>Journal of the Serbian Chemical Society</i> , 2016, In Press, DOI:10.2298/JSC151031034P	2016
78.	S. Saha, A. Das, K. Acharjee & B. Sinha	<i>Journal of the Serbian Chemical Society</i> . In Press, DOI:10.2298/JSC160425065S	2016
79.	A. Sarkar, B. K. Pandit & B. Sinha	<i>Journal of Chemical Thermodynamics</i> 98 (2016) 118-125.	2016
80.	N. A. Al-Omair, D. Das, L. Snoussi, B. Sinha, R. Pradhan, K. Acharjee, K. Saoudi & N. Ouerfelli.	<i>Physics and Chemistry of Liquids</i> 54 (2016) 615-631.	2016
81.	A. Sarkar, B. K. Pandit & B. Sinha	<i>Journal of Chemical Thermodynamics</i> 96 (2016) 161-168.	2016
82.	R. Pradhan, A. Kamath, D. Brahman, & B. Sinha	<i>Fluid Phase Equilibria</i> 404 (2015) 131-140.	2015

8. Research Projects (Major & Minor):

Major Research Project		
Title of the Scheme / Project	Sanctioned Authority	
Prof. M. N. Roy, Project Coordinator		
Solute Solvent Interactions	UGC-SAP (DRS-III)	
Prof. P. S. Roy		
	UGC-SAP (DRS-II)	
Prof. S. K. Saha		
Viscoelastic worm-like micelles from cationic surfactants with quaternary ammonium, pyridinium and imidazolium head groups: Thermodynamics, spectroscopy and rheology	DST, SERB Govt. of India	
Prof. B. Basu		
"Graphite Oxide (GO) Based Carbon Materials: Green Catalytic Applications in Synthetic Organic Reactions"	SERB, DST	

Prof. P. Ghosh		
Transformative reactions on the isolated triterpenoids from the medicinal plants of Darjeeling hills and screening for their biological activity	UGC	
Prof. A. Misra		
Theoretical Investigation of Aromatic Systems and Search for New Quantum Chemical Descriptor of Aromaticity	CSIR	
Theoretical Investigation of Optical, Transport and Magnetic Properties in Mesoscopic Systems	DST	
Minor Research Project		
Title of the Scheme Project	Sanctioned Authority	
Dr. B. Sinha		
Efficac of Some Polydentate Schiff base Transition Metal Complexes as Potential Plant Growth Promoters	N.B.U, Memo No. 4371/R-2015, dated 23/12/2015	2015-16

9. Visiting Fellow:

Name of the Visiting Fellow	Duration	
Prof. Dulal Ch. Ghosh, Ex-Professor of Chemistry, Department of Chemistry, University of Kalyani Corresponding address: A/51 – Survey Park, Santoshpur, Kolkata – 700075.	10 Days	
Dr. Sanjib Bagchi, Dept. of Chemical Sciences, Indian Institute of Sceince Educational & Research, Kolkata Mohanpur Campus, P.O. BCKV Campus Main Office, Mohanpur – 741 252, Nadia.	10 Days	

14. Any other information.

(i) Prof. M. N. Roy

Selected to be honoured with CRSI Bronze Medal 2017 by CRSI

(ii) Dr. Anirban Misra:

CRSI Research Award 2016

(iii) Dr. Sajal Das:

Dr. Sajal Das was awarded “Roman Post Doctoral Fellowship” by UGC, New Delhi

Department of Computer Science & Application

1. Name of The Department : **Computer Science and Application**

2. Date of Establishment : 1988

3. Introduction of the Department :

The Department started imparting instructions with the most modern curricula and syllabus to the students of Post Graduate Diploma in Computer Application Course in the year 1983 initially. Afterwards starts MCA Course in the year 1998. The Department is the oldest Department among all other Universities, which started imparting MCA Course in West Bengal. Presently the department is successfully running MCA & M.Sc. Computer Science Courses.

The Department of Computer Science & Application has been one of the pioneering academic institutions for higher education, research, and innovation in key areas of computer science and application. The mission and vision of the department is to enabling excellences in the world of computer science and application through imparting higher education and research. Students of this department showed their potentiality in their respective services and placed in various reputed industries.

The Department maintains an excellent teaching/learning and research environment with dedicated, qualified and dynamic faculties and well equipped laboratories. Apart from the teaching, faculties are very much active developing, guiding and conducting research oriented projects, articles related to Computer Science & Information Technology, books. The faculties also participates in various International and national Seminars, workshops, Symposiums and conferences of repute. Presently the Department is having Three Professors, five Assistant Professors and Seven Non-Teaching staffs constitute the faculty and non-teaching strength of the department.

4. Name of the Faculty

Professor	Reader	Sr. Lecturer/ Lecturer
Prof. Ranjit Kumar Samanta		Dr. Swarup Das
Prof. Nayan Ranjan Manna		Dr. Sarad Sinha
Prof. Subhas Chandra Pal		Dr. Ardhendu Mandal
		Mr. Rakesh Kumar Mandal
		Dr. Dilip Roy Chowdhury

5. Name of the Research Scholars :

Sl.No.	Name of the Scholar	Designation
01.	Rakesh Kumar Mandal	Research Scholar
02.	Aposh Roy	Research Scholar
03.	Amit Ghosh Roy	Research Scholar
04.	Dipanjan Moitra	Research Scholar
05.	Philip Lepcha	Research Scholar
06.	S. Bannerjee	Research Scholar
07.	T. Bhadra	Research Scholar
08.	Debosmita Saha	Research Scholar
09.	Jayanta Loha	Research Scholar
10.	Abhijit Dutta	Research Scholar
11.	Malay Mitra	Research Scholar
12.	Dipanjan Bhowmik	UGC JRF

6. Name of the Project Scholars :

Sl.No.	Name of the Scholar	Designation
01.	Kanishka Sarkar	Project Scholar

7. Name of the Non-Teaching Staff :

Sl.No.	Name	Designation
1.	Dr. Amal Kumar Saha	Superintended (Tech.)
2.	Mr. Bibekanda Paul	Superintended (Tech.)
3.	Mr. Uttam Ghosh	Sr. Technical Assistant
4.	Dr. Arghya Das	Program Assistant
5.	Mr. Tapan Bhattacharjee	Jr. Record Supplier
6.	Mr. Chanchal Kumar Jha	Lab Attendant(C)
7.	Mr. Manobendra Sarkar	Office Assistant (C)

8. Students Strength

Students	Semester	Male	Female	Total
MCA	1 st Sem.	6	5	11
	2 nd Sem.	-	-	-
	3 rd Sem.	18	6	24
	4 th Sem.	-	-	-
	5 th Sem.	10	4	14
	6 th Sem.	-	-	-
M.Sc. Computer Science	1 st Sem.	2	8	10
	2 nd Sem.	-	-	-
	3 rd Sem.	8	4	12
	4 th Sem.	-	-	-

9. Seminar /Conferences attended (Outside the Country & Within the Country)

Name of the Teacher	Name of the Seminars/Conferences	Venue & Date	Title of the Paper
Prof. Ranjit Kumar Samanta	Nil	Nil	Nil
Prof. N. R. Manna	Nil	Nil	Nil
Prof. S.C. Pal	Nil	Nil	Nil
Dr. Swarup Das	Nil	Nil	Nil
Dr. Sarad Sinha	Nil	Nil	Nil
Dr. Ardhendu Mandal	1. National Seminar on Recent Trends in Computer Science	1. Department of Computer Applications, Raiganj University, 1st April, 2016	1. High Performance Computing
	2. National Conference on Computational Technologies-2016 (NCCIT'2016)	2. Dept. of Computer Science & Application, University of North	2. Segmentation of Breast Tumor from Mammographic Images Using Histogram Peak

	3. Do	Bengal 3. Do	Slicing Threshold 3. Histogram Peak Normalization Based Threshold to Detect Brain Tumor from T1 Weighted MRI
	4. Do	4. Do	4. Design and performance evaluation of Advanced Priority Based Dynamic Round Robin Scheduling Algorithm (APBDRR)
Rakesh Kumar Mandal	1. National Seminar on Recent Trends in Computer Science	1. Department of Computer Applications, Raiganj University, 1st April, 2016	1. Artificial Neural Networks (ANN)
	2. National Conference on Computational Technologies-2016 (NCCT'2016)	2. Dept. of Computer Science & Application, University of North Bengal	2. Histogram Peak Normalization Based Threshold to Detect Brain Tumor from T1 Weighted MRI".
	3. Do	3. Do	3. Pattern Variation Method to Detect Lie Using Artificial Neural Network (PVMANN)
	4. National Conference on Research Trends in Computer Science & Application - 2015 (NCRITCSA'2015)	4. Dept. of Computer Application, Silguri Institute of Technology	4. Double Bit Error Correction using Hamming Code (DBECH)
	5. Do	5. Do	5. Brain Tumor Detection from T1 Weighted MRI using Histogram Peak Difference Threshold
	6. Do	6. Do	6. Handwritten English Character Recognition using Diagonal Segmentation of Image Matrix (DSIM)
	7. Do	7. Do	7. Eighteen Directional Feature Extractions for Handwritten English Character Recognition
Dr. Dilip Roy Chowdhury	1. National Conference on Computational Technologies – 2015 (NCCT'16)	1. Dept. of Computer Science & Application, University of North Bengal, Feb, 2016	1. Green Computing: Efficient Practices And Applications
	2. Do	2. Do	2. Generalized Anxiety Disorder: Prediction using

	3. Do	3. Do	ANN
	4. Do	4. Do	3. Conceptual Framework Strategies for Image Compression: A Review 4. Remote Sensing Applied in Marine Fishing: A Review on Indian Fishing Industry Context
	5. National Conference on Research Trends in Computer Science & Application - 2015 (NCRTCSA'2015)	5. Dept. of Computer Application, Silguri Institute of Technology,	5. Prediction of Survival Possibility of Heart Attack Patient: An Artificial Neural Network Model

10. Organized Seminar / Conferences :

Name of the Seminar/Conference	Date of Seminar Conference
National Conference on Computational Technologies-2016 (NCCT'2016)	February, 2016

11. Publication :

Name of the Author	Name of the Book/Journal/Volume	Year of Publication
<u>Dr. R. K. Samanta</u>	1. Prediction of Heart Disease and Performances of Data Sets", Proceedings of 3rd Int. Conf. on Computing and Systems (ICCS 2016) 2. "A Study on Bio* Tools for Bioinformatics Tasks", Proceedings of 3rd Int. Conf. on Computing and Systems (ICCS 2016), India, pp. 196-200 3. "A Survey on UCI Hepatitis Disease Dataset using Soft Computing", Proc. Of 3rd Int. Conf. on Computing and Systems (ICSS 2016)	2016
<u>Prof. S.C. Pal</u>	A note on Hungarian method for solving assignment problem, Journal of Information and Optimization Sciences 36(5), 451-459, September, 2015	2015
<u>Dr. Sarad Sinha</u>	Proceedings of the 1 st International Conference on Intelligent Computing and Communication(ICIC ²). Dept. of Computer Sc. & Engg., University of Kalyani being published by Spriger (in press). February, 2016.	2016
<u>Dr. Ardhendu Mandal</u>	1. Segmentation of Breast Tumor from Mammographic Images Using Histogram Peak Slicing Threshold, <i>International Journal of Computer Sciences and Engineering (IJCSE)</i> , 4(1), 85-92, 2016. 2. Histogram Peak Normalization Based Threshold to Detect Brain Tumor from T1 Weighted MRI, <i>International Journal of Computer Sciences and Engineering (IJCSE)</i> , 4(1), 16-24, 2016. 3. Design and performance evaluation of Advanced Priority Based Dynamic Round Robin Scheduling Algorithm (APBDRR), <i>International Journal of Computer Sciences and Engineering (IJCSE)</i> , 4(1), 78-84, 2016.	2016

<p><u>Mr. Rakesh Kumar Mandal</u></p>	<ol style="list-style-type: none"> 1. "Histogram Peak Normalization Based Threshold to Detect Brain Tumor from T1 Weighted MRI", International Journal of Computer Sciences and Engineering, Vol. 4, Issue 1, pp 16-24, Feb, 2016. 2. " Pattern Variation Method to Detect Lie Using Artificial Neural Network (PVMANN)", International Journal of Computer Sciences and Engineering, Vol. 4, Issue 1, pp 16-24, Feb, 2016 	<p>2016</p>
<p><u>Dr. Dilip Roy Chowdhury</u></p>	<ol style="list-style-type: none"> 1. "Green Computing : Efficient Practices And Applications", International Journal of Computer Sciences and Engineering (IJCSE), Vol. 4. S Issue: 1, pp. 38-47, IF 2.162, e-ISSN: 2347-2693, Feb' 2016. 2. "Generalized Anxiety Disorder : Prediction using ANN", International Journal of Computer Sciences and Engineering (IJCSE), Vol. 4. S Issue: 1, pp. 48-56, IF 2.162, e-ISSN: 2347-2693, Feb' 2016. 3. "Conceptual Framework Strategies for Image Compression: A Review", International Journal of Computer Sciences and Engineering (IJCSE), Vol. 4. S Issue: 1, pp. 32-37, IF 2.162, e-ISSN: 2347-2693, Feb' 2016. 4. "Remote Sensing Applied in Marine Fishing: A Review on Indian Fishing Industry Context", International Journal of Computer Sciences and Engineering (IJCSE), Vol. 4. S Issue: 1, pp. 105-111, IF 2.162, e-ISSN: 2347-2693, Feb' 2016. 5. "Prediction of Survival Possibility of Heart Attack Patient: An Artificial Neural Network Model", Bonfring Publication, pp. 4-7, IF: 0.651, ISBN: 978-93-85477-34-8, 2015. 6. "Artificial Neural Network Model for Envisaging Generalized Anxiety Disorder", ABACUS- A peer reviewed and Referred Multilingual Journal of Multidisciplinary Studies, 2nd Edition, ISSN: 2454-3233, pp., 2016 [accepted]. 7. "Prediction of Generalized Anxiety Disorder by Using Artificial Neural Network", <i>International Conference on Computing and System, ICCS-2016</i>, University of Burdwan, India, pp. 21-25, ISBN: 978-93-8577713-4, 21st -22nd January' 2016, 8. "Prediction of Survival Possibility of Heart Attack Patient: An Artificial Neural Network Model", <i>National Conference on Research Trends in Computer Science and Application(NCRTCSA-2015)</i>, Organised by SIT, Siliguri, Technically co-sponsored by IEEE Kolkata and CSI Siliguri, pp. 04-07, ISBN: 978-93-85477-34-8, 7th November '2015. 	<p>2015 and 2016</p>

12. Research Projects

Major Research Project		
Title of the Project	Sanctioned Authority	
Design and Development of an Artificial Neural Network (ANN) Based Expert System to Diagnose	UGC Assistance under Innovative Research Activities Scheme for Research Proposal, XII Plan.	Principal Investigator : Dr. Arhendu Mandal Co Investigator : Rakesh Kumar Mandal

Human Brain Tumor from CT scan and MRI Images”,		
Indian Languages Corpora Initiative (ILCI) – Phase II (Nepali), DeitY.	Ministry of Information Technology, Govt. of India	Dr. S Sinha
Minor Research Project		
Lie Detection Expert System based on Artificial Neural Network (ANN)	University of North Bengal.	Rakesh Kumar Mandal

13. Visiting Fellow:

1. Other Information (Award Received):

Department of Geography & Applied Geography

1. **Name of the Department:** Geography and Applied Geography
2. **Date of Establishment:** 1962
3. **Introduction of the Department:** 1962
4. **Name of Faculty:**

Professor	Associate Professor	Assistant Professor
1. Dr. Subir Sarkar	1. Dr. Sushma Rohatgi	1. Dr. Sudip Kumar Bhattacharya
	2. Dr. Suman Sao	2. Dr. Snehasish Saha
	3. Dr. Deepak Kumar Mandal	3. Mr. Arindam Basak
	4. Dr. Indira Lepcha (nee) Lama	
	5. Dr. Ranjan Roy	

5. **Name of Research Scholars:**

- i. Rituparna Das
- ii. Dorjee Tshering Bhutia
- iii. Pronab Kr. Mandal
- iv. Pompei Sarkar
- v. Nanigopal Kapasia
- vi. Biswajit Das
- vii. Swarupa Sarkar

6. **Name of the Project Scholars:** NIL

7. **Name of the Non Teaching Staff:**

Name	Designation
1.Mr. Bhanu Basak	Senior Assistant
2.Mr. Kalyan Roy	Technical Assistant Grade I
3.Mr. Biman Bagchi	Laboratory Attendant III
4.Mr. Surja Das	Laboratory Attendant II
5.Mr. Pawan Kumar Kampti	Senior Peon
6.Mr. Sumit Bhowmick	Junior Peon

8. **Students strength: (in Main Campus)**

Students	Semester	Male	Female	Total
Part I	First Semester	24	25	49
	Second Semester	24	25	49
Part II	Third Semester	28	21	49
	Fourth Semester	28	21	49

9. Seminar/Conferences attended (Outside the Country & within the Country):

Name of the Teacher	Name of the Seminars/Conference	Venue and date	Title of the paper presented
Prof. Subir Sarkar	UGC Sponsored National Seminar on "Remote Sensing and GIS on Environmental Management" from February 02-03, 2016.	Dept. of Geography and Applied Geography, North Bengal University.	Application Of GIS In Integrated Watershed Management
	Resource person in UGC National Seminar; 8-9 January, 2015	Sitalkuchi College	Health disparity in India: Conceptual and empirical explorations
	Resource person in International Conference on Modern Trends in Social and Basic Sciences; 27-28 March 2015	Alipurduar College	Emerging trends in Geo-spatial technology for flood management
	Special Lecture in National Seminar on Role of values and indigenous traditions to sustain life on Earth, 30-31 January, 2016	Bangiya Bhugol Mancha, Koch Bihar	Traditional Ecological Knowledge (TED) in Life Sustenance
Dr. Sushma Rohatgi	UGC Sponsored National Seminar on "Remote Sensing and GIS on Environmental Management" from February 02-03, 2016.	Dept. of Geography and Applied Geography, North Bengal University.	
Dr. Suman Sao	UGC Sponsored National Seminar on "Remote Sensing and GIS on Environmental Management" February 02-03, 2016.	Dept. of Geography and Applied Geography, North Bengal University.	Identification Of Landuse And Urban Facilities Using Remote Sensing And Gis Techniques In Mathabhnaga Town
	5 th NAGI International Conference on Future Earth Perspectives in South Asia (IC FEPSA), 5 th - 7 th Feb. 2016.	Department of Geography, Bharathidasan University, Tiruchiappalli, Tamil Nadu	Planning for the Development of Rural Crafts: Case Study in North Bengal'
	DGSI International Conference October 17 - 19, 2015.	Department of Geography, ML Sukhadia University,	Planning for the Development of Village Industries: Case Study of

	Fourth Global Conference on Economic Geography 2015 from 19 th – 23 rd August 2015.	Udaipur University of Oxford, UK.	Mask Craft' Development of Village Crafts for Micro Area Development in India'
Dr. D.K.Mandal	UGC Sponsored National Seminar on "Remote Sensing and GIS on Environmental Management" from February 02-03, 2016.	Dept. of Geography and Applied Geography, North Bengal University.	Causes Of Embankment Breaching In The River Mahananda, At Champasari In Darjeeling District, West Bengal
	Resource Person in UGC National Conference, 3-4 Sept. 2015	Maynaguri College, West Bengal	Major Environmental issues: Vulnerability and Impacts
	XXXV INCA International Congress on 15-17 December, 2015	INCA, Hyderabad, INCA	Targeting and Management of Ground Water Resources by using Remotely Sensed Digital data and GIS tools in Doon Valley, Uttaranchal
	Resource Person in UGC Sponsored National Seminar 8-9 January, 2016	Sitalkuchi College, West Bengal	Health Disparity Index in India; Conceptual and Empirical Explorations
Dr. Indira Lepcha (nee) Lama	UGC Sponsored National Seminar on "Remote Sensing and GIS on Environmental Management" from February 02-03, 2016.	Dept. of Geography and Applied Geography, North Bengal University.	Fire Hazard Vulnerability Zones In Darjeeling Municipality, West Bengal
Dr. Ranjan Roy	Science in Bengal 37 th Indian Geography Congress, 2 nd to 4 th Dec., 2015, NAGI	NBU, 2015 Department of Geography, University of Jammu	Application of Remote Sensing and GIS in the Study of Wetlands: A Case Study of Sitalkuchi Block in Koch Bihar District, WB
	UGC Sponsored National Seminar on 'Health Disparity in India : Conceptual and Empirical Explorations', 8 th to 9 th Jan., 2016	Department of Geography, Sitalkuchi College, WB	Joint Paper on Inequality of Health Care Infrastructure in Koch Bihar District, West Bengal

Dr. Sudip Kr. Bhattacharya	37 th Indian Geography Congress, Jammu, of National Association of Geographers, India (NAGI) on "Tourism, Resources, Environment and Development using GIS and Remote Sensing Techniques" from December, 2-4, 2015.	The Department of Geography, University of Jammu, Jammu.	Assessment of Landslide vulnerable zones through susceptibility analysis of terrain and human induced factors of Kurseong Hill Subdivision, W.B.
	National seminar on "Role of values and indigenous tradition to sustain life on earth" from January, 30-31, 2016.	Bangiyo Bhugol Mancha. (Regd. No.-S/76955, 1995-95)	Some proposals of environmental awareness to the local people in controlling Landslide Hazards in the Darjeeling hills.
	UGC Sponsored National Seminar "Remote Sensing and GIS on Environmental Management" February 02-03, 2016.	Dept. of Geography and Applied Geography, North Bengal University.	Geomorphometric analysis and terrain evaluation for environmental management in the Kurseong hill subdivision of the Darjeeling district, West Bengal
Dr. Snehasish Saha	UGC Sponsored National Seminar on "Remote Sensing and GIS on Environmental Management" from February 02-03, 2016.	Dept. of Geography and Applied Geography, North Bengal University.	
	22nd W.B.S.S. & T Congress, 2015 28, February and 1, March, 2015	DST, W.B and NBU	Bank erosion of river Ganga in Malda district: A Historical and Geographical Background
	37th Indian Geography Congress, NAGI 2-4 December, 2015	Deptt. of Geography, Jammu University, Jammu	A Study on Fluvial Morphological Environment of Jaldhaka-Murti System in Jalpaiguri, W.B using GIS techniques
	National Seminar 30-31 January 2016	Bangiyo Bhugol Mancha, Kolkata	Human Rights and Sustainable Development: A case of Diara Inhabitants in Malda District, West Bengal

	National Seminar; Geo-Environmental Welfare Society 12-13 August 2016	Birpara College, Birpara, Alipurduar, WB	Basin Morphometry as Indicator of Flood Occurrences: A Case study of River Karala in Jalpaiguri District, West Bengal
Mr. Arindam Basak	UGC Sponsored National Seminar on "Remote Sensing and GIS on Environmental Management" from February 02-03, 2016.	Dept. of Geography and Applied Geography, North Bengal University.	Spatial Variation Of Basic Demography In English Bazar Municipality: A Ward Level Study
	UGC National Seminar on Major Environmental Issues: Vulnerability and Impacts 3-4 September, 2016	Maynaguri College	Solution to problems associated with measuring socio-economic inequality
	37 th Indian Geography Congress NAGI, 2-4 December	Department of Geography, Jammu University	Socio Economic Condition of North Bengal: A spatio temporal analysis
	UGC Sponsored National Seminar on 'Health Disparity in India : Conceptual and Empirical Explorations', 8 th to 9 th Jan., 2016	Sitalkuchi College	Women participation in health care management
	National Seminar 30-31 January 2016	Bangiyo Bhugol Mancha, Kolkata	Role of values and indigenous tradition to sustain life on earth

10. Organized Seminar/Conference:

Name of the Seminar/Conference	Date of the Seminar/Conference
UGC sponsored National Seminar on Remote Sensing and GIS in Environmental Management	Department of Geography & Applied Geography, NBU, on February, 2-3, 2016

1. **Publication:**

Name of the Author	Name of the Book/Journal/Volume	Year of Publication
Prof. Subir Sarkar	1. Application Of GIS In Integrated Watershed Management, Seminar Volume on Remote Sensing and GIS in Environmental Management 2. Some Considerations for Indo-Bhutanese Co-operation in Managing Flood and Related Problems in Sub-Himalayan Duars area in Jalpaiguri district, 2015, <i>Geographical Thoughts</i> , Vol. 13, pp. 1-6.	
Dr/Suman Sao	1. Identification Of Landuse And Urban Facilities Using Remote Sensing And Gis Techniques In Mathabhnaga Town Ujoint Seminar Volume on Remote Sensing and GIS in Environmental Management 2. Terracotta Work: A Study In Economic Perspective, <i>Geographical Thoughts</i> , Volume XIV, ISSN 2229 - 466X	
Dr. Deepak Kumar Mandal	1. Causes Of Embankment Breaching In The River Mahananda, At Champasari In Darjeeling District, West Bengal (Joint), Seminar Volume on Remote Sensing and GIS in Environmental Management	
Dr. Indira Lepcha (nee) Lama	1. Fire Hazard Vulnerability Zones In Darjeeling Municipality, West Bengal, Seminar Volume on Remote Sensing and GIS in Environmental Management 2. A Study Of Sex Ratio In Darjiling District, West Bengal <i>Geographical Thoughts</i> , Volume XIV, ISSN 2229 - 466X	
Dr. Ranjan Roy	1. An Assessment Of Tourism Industry In Koch Bihar District, West Bengal, <i>Geographical Thoughts</i> , Volume XIV, ISSN 2229 - 466X 2. Economic Status Of Tribal People In Mal Subdivision Of Jalpaiguri District, <i>Geographical Thoughts</i> , Volume XIV, ISSN 2229 - 466X Joint 3. Impact Of Environment On Rural Livelihood Pattern: A Case Study Of Darjiling District, West Bengal	
Dr. Sudip Kr. Bhattacharya	1. Application Of Remote Sensing And GIS In Wetland Management: A Case Study Of Koch Bihar District, West Bengal (Joint) Seminar Volume on Remote Sensing and GIS in Environmental Management 2. Quality Of Life Of The Women Workers Vis A Vis The Positional Status Of The Tea Gardens In The Darjeeling Hills, West Bengal, India <i>Geographical Thoughts</i> , Volume XIV, ISSN 2229 - 466X	
Dr. Snehasish Saha	1. Adjustments Of Channel Hydraulics Vs. Channel Bed-Forms, A Case Of River Diana In Jalpaiguri, West Bengal, <i>Geographical Thoughts</i> , Volume XIV, ISSN 2229 - 466X	

Mr. Arindam Basak	1. Spatial Variation Of Basic Demography In English Bazar Municipality: A Ward Level Study Seminar Volume on Remote Sensing and GIS in Environmental Management 2. Housing Condition And Availability Of Household Asset Across Various Districts Of North Bengal, Geographical Thoughts, Volume XIV, ISSN 2229 - 466X	
--------------------------	---	--

12. Research Projects (Major & Minor):

13. Visiting Fellow:

Name of the Visiting Fellow	Duration
Dr. Partha Sarathi Chakraborty	2-3 February, 2016

14. Any other information: Nil

Department of Mathematics

1. **Name of the Department: Mathematics**

2. **Date of Establishment: 1962**

3. **Introduction of the Department:**

The Department of Mathematics came into existence in 1962, with the major objective of developing a centre for excellence in the region of North Bengal in **Mathematical Sciences and Applications** and to provide facilities for training, study, research in these areas. Pioneering research contributions have come from the faculty members in the field of Real Analysis, Complex Analysis, Topology, Relativity & Astrophysics, Graph Theory, Dynamical Systems and Geometry. The Department has the distinction of having on its staff Fulbright Fellow, Erasmus International Fellow, TWAS-UNESCO Visiting Professor JSPS Scholar, Ramanujan Fellow etc. The Department conducts Master's degree programme in Mathematics and Ph. D. programmes. The Department has a record of almost 100% employments at various levels, starting from High Schools, colleges and Universities to Research Laboratories like DRDO, CSIR Labs and others.

- Main areas of research at present are **Real and Complex Analysis, Topology, Differential Geometry, Differential equations, Dynamical Systems, General Relativity.**
- The Department has been receiving annual Library Grant from NBHM since 1991. The Departmental library has about 6500 books and subscribes a large number of International and Indian Peer Reviewed journals including Mathematical Reviews.
- The Department has a large computing facility sponsored by the DST FIST grant.
- The Department is co-ordinating the Mathematical Olympiads and related training programmes for high school students, Madhava Mathematics Competition for undergraduate students in affiliated colleges and other colleges in the vicinity and Refresher Courses in Mathematics organized by ASC-NBU.
- The department received a grant from **RUSA (Rashtriya Uchchatar Shiksha Abhiyan)** for procuring books for the Departmental Library and to built a Smart Classroom.
- The Department received a grant of Rs. 7, 00,000/- from the **UGC XII Plan General Development Scheme 2015 – 16** for purchasing of Equipments.
- The Department has expected to receive the NBHM Library Grant for the F.Y. 2015 – 16 very shortly.

4. (a) Name of the Faculty:

<i>Professor</i>	<i>Associate Professor</i>	<i>Assistant Professor</i>
Prof. M.K. Bose	-	Dr. M. Singha
Prof. K.K. Nandi (Retired on 26.01.2016)	-	Dr. D. C. Pramanik
Prof. D.P. Datta	-	Dr. Pradip Majhi (on Lien from 11.08.2016)
Prof. S. De Sarkar	-	Ms. Nita Tamang

5. Name of the Research Scholars:

<i>Name</i>	<i>Designation</i>
Sri Kapil Roy	J.R.F. (C.S.I.R.)
Smt. Chaiti Ghosh	J.R.F. (C.S.I.R.)

6. Name of the Project Scholars: **NIL**

7. Name of the Non-Teaching Staff:

<i>Name</i>	<i>Designation</i>
Smt. Sonali Sarkar	Jr. Assistant (Casual)
Smt. Rahena Banu	Jr. Peon

8. Students Strength:

<i>Students</i>	<i>Male</i>	<i>Female</i>	<i>Total (2015 – 2016)</i>
Part I, 1 st Sem	39	20	59
2 nd Sem	29	20	49
Part II, 3 rd Sem	34	17	51
4 th Sem	32	16	48

9. Seminar /Conferences attended (Outside the Country & within the Country):

<i>Name of the Teacher</i>	<i>Name of the Seminars / Conference</i>	<i>Venue & Date</i>	<i>Title of the paper presented</i>
Prof. K.K. Nandi			
	Delivered S.N. Bose Memorial Lecture	Calcutta Mathematical Society, 7 Sept.2015	-
	Invited lecture at the IUCAA Center, Dept. of Appl. Maths, Calcutta University.	10-12 Sept. 2015	-
Dr. M. Singha			
	1 st Pan Pacific International Conference on Topology and Applications	Minnan Normal University, Zhangzhou, China, 25-30 November 2015.	\square -metric topological spaces with special emphasis on some fixed point theorems
	International Conference on Nonlinear Dynamics, Analysis and Optimization (ICNDAO 2015)	Department of Mathematics, Jadavpur University, Kolkata, 9-11 December, 2015	On Partial Metric Spaces
	National Conference on Exploring Advances in Mathematics (NCEAM-2015)	Department of Mathematics, University of Gour Banga, December 16-17, 2015	On a metric appeared in representation theory
	National Conference on Emerging Trends in Mathematics and Mathematical Sciences	Calcutta Mathematical Society, December 17-19, 2015	Some results in Topological Hypergroups

	National Seminar on Advances in Mathematical Sciences	Department of Mathematics, Guwahati University, Assam. 22 nd December, 2015.	On Partial Metric Topology
Dr. D.C. Pramanik			
	“International seminar on Gravitational waves: A recent vista to the universe-2016”	March 13, 2016 at Department of Mathematics, Raiganj University, West Bengal, India.	“Some results on the growth of entire functions on the basis of central index”
Ms. Nita Tamang			
	AIS in Analytic Number Theory	KIIT Bhubaneswar, Organized by National Centre for Mathematics. (1 st June to 20 th June 2015)	-
	Workshop in Analytic Number Theory	IMSC Chennai, Organized by National Centre for Mathematics. (19 th Oct to 24 th Oct 2015),	-

10. Organized Seminar/ Conferences:

<i>Name of the Seminar / Conference</i>	<i>Date of the Seminar/ Conferences</i>	<i>Remarks</i>
-	-	-

11. Publication:

<i>Name of the Author</i>	<i>Name of the Book / Journal Volume</i>	<i>Year of Publication</i>
➤ Prof. M.K. Bose		
R. Tiwari and M. K. Bose	On near (\square) compactness, International Journal of Mathematical Sciences and Engineering Applications, 9 no. III (2015), P.231 – 236.	2015
Ajoy Mukharjee and M.K. Bose,	Some results on nearly pairwise paracompact spaces, Bulletin of the Malaysian Mathematics Society, doi: 10.1007/s4 0840 – 015-0199; Published online: 07 August, 2015.	2015
Ajoy Mukharjee, Arup Roy Choudhury and M.K. Bose	On nearly pairwise paracompact spaces, Southeast Asian Bulletin of Mathematics 40 (2) (2016), p: 213 – 223	2016
Ajoy Mukharjee, Arup Roy Choudhury and M.K. Bose	Asymmetric maximal and minimal open sets, to appear in Mathematics Moravica.	-
➤ Prof. K.K. Nandi		
Kamal K. Nandi <i>et al.</i> ,	J.Cosm.Astropart.Phys.07(2015) 018	2015
➤ Prof. D.P. Datta		

A. Palit & D.P. Datta	Comparative Study of Homotopy analysis and Renormalization group methods on Releigh – Van-der Pol (equations; Differ.Eqn. Dyn.Syst. (Springer) ,D.O.I. 10.1007/&12591 – 015- 0253-4, (2015)	2015
A. Palit & D.P. Datta	Existance of Limit Cycles in a class of non- symmetric Lienard System, Indian J. Math. 58 (1), 59 – 93, (2016)	2016
D.P. Datta & S. Sarkar	Duality structure, non-Archimedean Extension of Real number system and emergent fractal sets: p-adic Numbers, Ultrametric Analysis and Applications (Springer), 2016, to appear...	-
➤ Prof. S. De Sarkar		
N. Tamang and S. De Sarkar	Some Nearly Open Sets in a Fuzzy Sequential Topological Space, International Journal of Mathematical Archive, 7(2), (2016) 120-128.	2016
➤ Dr. M. Singha		
M. Singha, Koushik Sarkar	Asymptotic generalization of a fixed point theorem in partial metric spaces Page: 141-146, International Journal of Mathematical Archive Vol. 6 No. 6, (2015)	2015
M. Singha,	A Common Fixed Point Theorem for Four Mappings in k –Metric Spaces, Page: 58-60, International Journal of Engineering and Technical Research, Vol. 3, No. 12,(2015)	2015
M. Singha,	Fixed point theorems for T_k -contractions in k-Metric Spaces Page: 1-4, International Journal of Mathematical Archive, Vol. 6 No. 12, (2015)	2015
M. Singha, Koushik Das	A Common Fixed Point Theorem in Cone Metric Spaces Page: 64-72, International Journal of Engineering and Advanced Research Technology (IJEART), 2015	2015
➤ Dr. D. C. Pramanik		
S. K. Datta, T. Biswas and D. C. Pramanik	Some growth properties of entire functions depending on their relative orders, Int. J. Open Problems Compt. Math., Vol. 8, No. 2, June 2015, ISSN 2074-2827.	2015
➤ Ms. Nita Tamang		
N. Tamang, M. Singha and S. De Sarkar,	Composition of fuzzy sequential operators with special emphasis on FS-connectors, Palestine Journal of Mathematics, 4 (1) (2015), 37-43.	2015
N. Tamang and S. De Sarkar	Some Nearly Open Sets in a Fuzzy Sequential Topological Space, International Journal of Mathematical Archive, 7(2), (2016) 120-128.	2016

12. Research Projects (Major & Minor):

➤ **Dr. M. Singha**

Major Research Project		
<i>Title of the Scheme Project</i>	<i>Sanctioned Authority</i>	<i>Remarks</i>
Design and Development of an Artificial Neural Network (ANN) based expert system to diagnose	UGC	2 Years Grant / Amount Mobilized : 10,10,000/-

human brain Tumor from CT scan and MRI images		
Minor Research Project		
<i>Title of the Scheme Project</i>	<i>Sanctioned Authority</i>	<i>Remarks</i>
Topological emphasis of k-metric spaces and fixed point theorems	University of North Bengal	1 Year (2015-2016) Grant / Amount Mobilized : 75,000/-

13. Visiting Fellow:

<i>Name of the Visiting Fellow</i>	<i>Duration</i>	
-	-	-
-	-	-

14. Any other information:

Prof. K.K. Nandi has received the following international awards

- Best Scientist Award from Bashkir State Pedagogical University, Ufa, Russia (2014)
- Accredited Referee of Classical & Quantum Gravity (IOP publishing, Bristol, UK).

Ph. D. Awarded (from: 1st April, 2015 to 31st March, 2016): *NIL*

- The students of the Department organized **Blood Donation Camp** on **21st May, 2015** (contribution-180 units) in the Department.
- **Regional Mathematical Olympiad (RMO)'15 Test** was held on **22nd November, 2015** in the Department of Mathematics, N.B.U. The Test was jointly conducted by National Board for Higher Mathematics (NBHM) and Indian Statistical Institute (ISI), Kolkata.
- **The Madhava Mathematics Competition Test (MMC – 2016) was held on 13th December, 2015** jointly organized by S P College, Pune & Homi Bhabha Centre for Science Education, Tata Institute for fundamental research, Mumbai and funded by National Board for Higher Mathematics (NBHM).

Department of Microbiology

1. Name of the Department: **MICROBIOLOGY**
2. Date of Establishment: **2005**
3. Introduction of the department:
4. Name of the Faculty :

Professor	Associate Professor	Assistant Professors
		1. Dr Arindam Bhattacharjee
		2. Ms SaritaKumari
		3. Dr.Payel Sarkar
		4. Mr.Shyama Prasad Saha
5. Name of the Research Scholars: Aditi Rai, Swarnab Sengupta, Nitya Rai, Upasana Chetri
6. Name of the Project Scholars: NIL
7. Name of the Non-Teaching staff: Ms. Madhumita Ghosh, Mr. Satya Ranjan Das, Mr. Sudipta Das, Mr. Subir Sarkar
8. Student strength: Part-1: 21 Part-2: 17
9. Seminar / Conference / workshop attended (outside the country & within country)

Name of the teacher	Name of the Seminar/Conference	Venue & Date	Title of Paper
Dr. Arindam Bhattacharjee	22nd West Bengal State Science and Technology Congress	NBU, 28 th Feb to 1 st March, 2015	
	SAKSHAM : 7 day workshop by Microsoft	Computer center, NBU. December, 2015	
Ms. Sarita Kumari	22nd West Bengal State Science and Technology Congress	NBU, 28 th Feb to 1 st March, 2015	
	SAKSHAM : 7 day workshop by Microsoft	Computer center, NBU. December, 2015	
Dr. Payel Sarkar	22nd West Bengal State Science and Technology Congress	NBU, 28 th Feb to 1 st March, 2015	
	SAKSHAM : 7 day workshop by Microsoft	Computer center, NBU. December, 2015	
Mr Shyama Prasad Saha	22nd West Bengal State Science and Technology Congress	NBU, 28 th Feb to 1 st March, 2015	
	SAKSHAM : 7 day workshop by Microsoft	Computer center, NBU. December, 2015	
	International symposium on Biodiversity, Agriculture, Environment and Forestry	11-12 December 2015, syllvun court, Ooty	

10. Organized Seminars/Conferences/Workshop

Name Of the Seminar/Conference/workshop	Date of the Seminar
WORKSHOP FOR UNDER GRADUATE STUDENTS IN ADVANCED TECHNIQUES IN MICROBIOLOGY	March 16th -18th, 2016

11. Publication:

	Name of author	Name of Journal/book/volume	Year of publication
	Dr. Arindam Bhattacharjee	NIL	
	Ms. Sarita Kumari		
1.	Kumari, S. and Sarkar, P.K.	<i>Bacillus cereus</i> hazard and control in industrial dairy processing environment: Review. Food Control 69 : 20-29	2016
2.	Sharma, A., Kumari, S. , Nout, M.J.R. and Sarkar, P.K.	Minimization of antinutrients in idli by using response surface process optimization. Journal of Food Processing and Preservation . Doi:10.1111/jfpp.13099.	2016
3.	Sharma, A., Kumari, S. , Wongputtisin, P., Nout, M.J.R. and Sarkar, P.K.	Optimization of soybean processing into kinema, a <i>Bacillus</i> -fermented alkaline food, with respect to a minimum level of antinutrients. Journal of Applied Microbiology 119 : 162-176.	2015
	Dr. Payel Sarkar		
1.	Payel Sarkar, Khusboo Lepcha and Shilpi Ghosh	Purification and characterization of solvent stable lipase from a solvent tolerant strain of <i>Geobacillusstearothermophilus</i> PS 11. <i>Journal of Microbiology, Biotechnology and Food Sciences.</i> , 5(6):602-605.	2016.
2.	Roy MP, Mazumdar D, Dutta S, Saha SP, Ghosh S:	Cloning and Expression of PhytaseappA Gene from <i>Shigella</i> sp. CD2 in <i>Pichiapastoris</i> and Comparison of Properties with Recombinant Enzyme Expressed in <i>E. coli</i> . <i>Plos One</i> , 2015, 11(1):1-14	2015

12. Research Projects (Major & Minor):

Major Project	
Title of the scheme project	Sanctioned authority
NIL	NIL
Minor Project	
Title of the scheme project	Sanctioned authority
'Isolation of bacteria from high altitude lakes and identifying their extracellular enzyme' PI- Arindam Bhattacharjee	University of North Bengal

13. Visiting Fellow

Duration

Name of Visiting Fellow Prof. Ratan Gachui, Dept of Biotechnology, University of Jadavpur
On 1st December, 2015

14. Any other information: 2nd prize by MSc 1st students in West Bengal State student science fair, 2015, science model competition organised by youth service dept. Govt. of WB.

Department of Physics

1. Name of the Department : **Physics Department**
2. Date of establishment : **1962**
3. Introduction of the Department : **1962**
4. Name of Faculty :

Professor	Associate Professor	Assistant Professor
i. Dr. Pradip Kumar Mandal	i. Dr. Sripada Haldar	i. Dr. Suman Chatterjee
ii. Dr. Amitabha Mukhopadhyay		ii. Dr. Rajat Kumar Dey
iii. Dr. Malay Kumar Das		iii. Mr. Provash Mali
iv. Dr. Bikash Chandra Paul		
5. Name of Research Scholars:
 - (i) Barnali Barman
 - (ii) Rajat Biswas
 - (iii) Tanmay Basak
 - (iv) Bipran Kumar Tiwary
 - (v) Kishor Chowdhury
 - (vi) Dr. Amit Shankar (PDF)
 - (vii) Gautam Sarkar
 - (viii) Pragati Pradhan
 - (ix) Debasish Sinha
 - (x) Anamika Paramanik
 - (xi) Sudipta Sarkar
 - (xii) Sanchita Barman
 - (xiii) Sanjib Kumar Manna
 - (xiv) Kartick Chandra Dey
 - (xv) Somdatta Basak
 - (xvi) Soumya Sarkar
 - (xvii) Souvik Ganguly
 - (xviii) Debarghya Goswami
 - (xix) Rakesh Kar
 - (xx) Asim Debnath
 - (xxi) Somnath Ghosh
 - (xxii) Manabendra Roy
6. Name of Project Scholars :
 - (i) Ms. Rumi Deb (UGC)
 - (ii) Ms. Aparna Ghosh
 - (iii) Mr. Sushanta Chakraborty
7. Name of non-Teaching Staff :

Name	Designation
(i) Mr. Sudip Saha	Jr. Super
(ii) Mr. Sankha Subhra Roy	Technical Assistant Gr. I
(iii) Mr. Subrata Hazra	Technical Assistant Gr. II
(iv) Rajesh Pradhan	Technical Assistant Gr. II
(v) Mr. Ayub Ahmad	Technical Assistant Gr. II
(vi) Mr. Amitava Roy	Technical Assistant Gr. II

- (vii) Mr. Tapas Sen
 (viii) Mr. Lubai Hansda
 (ix) Mrs. Sarita Chhetri
 (x) Mrs. Ram Kumari Yadav

Jr. Laboratory Attendant Gr. II
 Sr. Peon
 Sr. Peon
 Sr. Peon

8. Students Strength

Students	Male	Female	Total
Part-I 1 st Semester	23	12	35
2 nd Semester	31	14	45
Part-II 3 rd Semester	26	12	38
4 th Semester	20	17	37

9. Seminar/ Conferences attended (Outside the country & within the country) :

Name of the Teacher	Name of the Seminars/ Conference	Venue & Date	Title of the paper presented
Pradip Kumar Mandal	(i) Discussion Meeting on the Science Using X-ray free Electron Laser and user meeting of DESY, Hamburg, Germany	JNCASR, Bangalore February 25-26, 2016	Wide range room temperature electroclinicliquid crystal mixture with large induced tilt and very small layer contraction
	(ii) Faculty of Science Seminar Meeting	Shiv Nadar University, Noida April 18-19, 2016	Liquid Crystals: A Simple View on a Complex System
Malay Kumar Das	22 nd National Conference on Liquid Crystals	Department of Physics, DIT University, Dehradun, Uttarakhand during .21-23, December, 2015	Invited Lecture: "Critical behavior in the vicinity of nematic-smectic-A and smectic-A-smectic-C phase transitions from high-resolution birefringence measurements"
	22 nd National Conference on Liquid Crystals	Department of Physics, DIT University, Dehradun, Uttarakhand during .21-23, December, 2015	Effect of achiral phenyl pyrimidine molecule on the phase behaviour and physical properties of chiral orthoconic anti-ferroelectric esters
Bikash Chandra Paul	(i) 28 th Texas Symposium in Relativistic Astrophysics	Geneva Dec. 14-17, 2015	Creation of the Emergent Universe via wormhole
	(ii) Regional Meeting on Trends and Challenges in Astronomy & Astrophysics	IUCAA Resource Centre, Kolkata Sept. 10-12, 2015	Creation of EU with wormhole
	(iii) AAPCOS-2015	Saha Institute of Nuclear Physics, Kolkata Oct. 14-15, 2015	Cosmology : The past and present Universe
Provash Mali	(i) Indo-US workshop on Time Series Analysis	Indian Institute of Science Education	25-30 May 2015

		and Research (IISER), Pune:	
	(ii) Department of Atomic Energy Outreach Programme	Jalpaiguri College, Jalpaiguri	27 August 2015

10. Organized seminar/Conferences :

Name of the Seminar/ Conference	Date of the Seminar/ conference	Remarks
IUCAA Sponsored Winter School on General Relativity and its Application	Nov. 23-28, 2015	IUCAA Activity
Conference Organized: Department of Atomic Energy Outreach Program	August 26, 2015	DAE
Contemporary Issues in High-Energy Physics	March 21-22, 2016	UGC

11. Publications

Name of the Author	Name of the Book / Journal / Volume	Year of Publication
P. K. Mandal	(i) Phase Transitions/88	2015
	(ii) AIP Conf. Proc. /1665	2015
	(iii) J. Phys. And Chem. Of Solids/88	2016
	(iv) Mat. Science in Semicon Processing/46	2016
	(v) J. Applied Phys. /119	2016
	(vi) Liquid Crystals/43	2016
	(vii) J. Molecular Liquids/221	2016
	(viii) RSC Advances/6	2016
	(ix) AIP Conf. Proc. /1731	2016
	(x) Journal of Alloys & compds./672	2016
A. Mukhopadhyay	(i) Physica A: Statistical Mechanics and Its Applications, Volume: 424 Pages: 25–33	2015
	(ii) Physica Scripta Volume: 90Page: 035209 (13 pages)	2015
	(iii) Physics of Atomic Nuclei Volume: 78 (2)Pages: 258–267	2015
	(iv) Physica A: Statistical Mechanics and Its Applications, Volume: 450 Pages: 223–332	2016
M. K. Das	(i) Liquid Crystals, 42(8), 1083-1094	2015
	(ii) International Journal of Advanced Research, 3(3), 967-981	2015
	(iii) Phase Transitions, 88(7), 745-757	2015
	(iv) Materials Research Express, 2, 045015	2015
	(v) The European Physical Journal B, 88: 175 (1-5)	2015
	(vi) Soft Materials 13, 201–209	2015
	(v) Physica B, 479, 90-95	2015
	(vi) Phase Transitions, 89(9), 910	2016
B. C. Paul	(i) Astrophys. Space. Sci. 356, 327-337	2015
	(ii) Non-linear Dynamics and its application, published by Book Center (ISBN:978-81-921612-6-6) 240-247	2015
	(iii) Research in Astronomy & Astrophysics	2015

	15, 28-36	
	(iv) Gravitation and Cosmology 21, 83-92	2015
	(v) Astrophys. Space Sci. 355, 147-153	2015
	(vi) Classical and Quantum Gravity 32, 115001	2015
	(vii) Mon. Not. Roy. Astron. Soc. Doi:10.1093/mnras/stv2276	2015
	(viii) Edited Book : Scholars's Press ISBN 978-3-639-85990-4 PP : 1-177	2015
	(ix) An Introduction to Astronomical Data Analysis : ed.- B. C. Paul Chapter 5, 96-114	2015
	(x) An Introduction to Astronomical Data Analysis: ed. -B. C. Paul Chap-7, 149-177	2015
	(xi) Astrophys. Space Sci. (2016)	2016
	(xii) Int. Journal of Applied Physics (ISSN 2350-0301) Vol : 3, 2	2016
	(xiii) Astrophys. & Space Sci. 361, 1	2016
P. Mali	(i) Theoretical and Applied Climatology, Volume: 121 Pages: 641-648	2015
	(ii) Physica A: Statistical Mechanics and Its Applications Volume: 424 Pages: 25-33	2015
	(iii) Physica Scripta Volume: 90Page: 035209 (13 pages)	2015
	(iv) Physics of Atomic Nuclei Volume: 78 (2)Pages: 258- 267	2015
	(v) Journal of Statistical Mechanic: Theory and Experiment Volume: NA Page: 013201 (17 pages)	2015
	(vi) Physica A: Statistical Mechanics and Its Applications Volume: 450 Pages: 223-332	2016

12. Research projects (Major & Minor):

Major Research Project		
Title of the Scheme Project	Sanctioned Authority	Amount of Grant
Fabrication and characterization of organic field effect transistors with high mobility and stability	BRNS(ATC), DAE	Rs. 24,96,000
Evaluation of order parameter critical exponent from electric field induced director tilt measurement in chiral smectic A* phase. PI : Prof. P. K. Mandal	DST	Cost of travel and stay of two scientists for a week for doing experiment at DESY, Hamburg, Germany
Cosmologies with Dark Matter. Dark energy and modified Gravity PI : Dr. B. C. Paul	UGC	Rs. 9.09 Lakh
Experimental studies on the relationship between molecular structure and physical properties of bent-core mesogens having nematic and smectic phases PI: Dr. M. K. Das	DST Grant (SB/EMEQ-290/2013 dated 11.10.2013):	Rs. 53 lakhs

Development of high-resolution optical detector for growth monitoring of bacteria in liquid culture PI : M. K. Das and R. Chsakraborty	UGC XII Plan Innovative Research Activities Scheme	Rs. 16 Lakhs
Minor Research Project		
Title of the Scheme Project	Sanctioned Authority	

13. Visiting Fellow

Not Applicable

Name of the Visiting Fellow	Duration	

14. Any other information (Awards Received)

I. Prof. A. Mukhopadhyay :

The High-energy Physics group of NBU has been selected as an Associate Member of FAIR-CBM Collaboration (GSI, Darmstadt, Germany) in the year 2016.

II. Prof. B. C. Paul :

Award of TWAS-UNESCO Associateship extended by one more year (upto Dec. 2017). Recently, DST awarded **INDO-SOUTH AFRICAN FLAGSHIP PROGRAMME IN ASTRONOMY - Enhanced Scientific Exchange** Programme with South Africa (NBU is one of the member with Jamia. New Delhi, IIT. Chennai and University of Natal, South Africa (2016).

III. Prof. P. K. Mandal :

Delivered an invited popular lecture on "A journey in search of light" on 24, Aug., 2015 to celebrate International Year of Light at North Bengal Science Centre, Siliguri

Delivered an invited popular lecture on "The story of the Photon" on 15, Dec., 2015 on the occasion of concluding program of celebration of International Year of Light at North Bengal Science Centre, Siliguri.

Department of Tea Science

1. Name of Department : Department of Tea Science
2. Date of Establishment : 1995
3. Introduction of the department : See Annexure 'A'
4. Name of the Faculty :

Assistant Professor	Reader	Sr. Lecturer/Lecturer
Dr. Sayed Edward Kabir	NIL	NIL
5. Name of the Research Scholars : NIL
6. Name of the Project Scholars : NIL
7. Name of the Non-Teaching Staff:

Name	Designation
Mr. Nripendra Nath Biswas	Office Assistant
Mr. Mainak Mukherjee	Soil Analyst
Mr. Subash Singh	Peon
Mrs. Kalpana Subba	Jr. Peon

8. Students Strength :

Students	Male	Female	Total
M. Sc. in Tea Science (3 rd & 4 th Sem)	3	1	4
M. Sc. in Tea Science (1 st & 2 nd Sem)	2	3	5
Postgraduate Diploma in Tea Management (2 nd Sem)	14	NIL	14
Postgraduate Diploma in Tea Management (1 st Sem)	26	2	28

9. Seminar/Conferences attended (Outside the Country & Within the Country): None

Name of the Teacher	Name of the Seminar/Conference	Venue & Date	Title of the paper Presented

10. Organized Seminar/conferences: See Annexure 'B'

Name of the Seminar/Conference	Date of the Seminar/Conference	

11. Publication: See Annexure 'B'

Name of the Author	Name of the Book/Journal/Volume	Year of Publication

12. Research Projects (Major & Minor): Since this is a Self Financed Department and no Permanent faculty is there, no research is conducted.

Major Research Project		
Title of the Scheme Project	Sanctioned Authority	
Minor Research Project		
Title of the Scheme Project	Sanctioned Authority	

13. Visiting Fellow: See Annexure 'C'

14. Any other information – Awarded received – None

15. Placement of the students:

Session: 2015-2016		
1	Deepak Kumar Jha	Gillanders Arbuthnot & Co. Ltd.
2	Sabya Sachi Bhadra	Gillanders Arbuthnot & Co. Ltd.
3	Marshal Biswakarma	Merry View Tea Garden
4	Biju Bage	Merry View Tea Garden
5	Gopal Pal	Terai Tea Company
6	Bishwanath Dhar	Terai Tea Company
7	Santanu Datta	Terai Tea Company
8	Jiban Das	Duncan Industries Ltd.
9	Bikash Biswakarma	Matigara Tea Estate
10	Saddam Hussain	Adhikari Tea Estate
11	Buddhadev Mishra	Bought Leaf Factory
12	Yuwa Pradhan	Orange Valley Tea Estate
13	Pujan Sunwar	Sonagachi Tea Estate
14	Sudip Paul	Pathini Tea Estate (Assam)
15	Abhijit Mandol	Merry View Tea Estate
16	Swagata Mani	TRA, Nagrakata
17	Bibek Thapa	Gayaganga Tea Estate
18	Md. Altab ahmed	Vivo Skill & Training

Annexure 'A'

DEPARTMENT OF TEA SCIENCE-UNIVERSITY OF NORTH BENGAL

A BRIEF RESUME

The Department of Tea started at North Bengal University in the year 1995. Prof. Nurul Hassan, Hon'ble Governor of West Bengal at that time was instrumental in starting the much needed Course in this University, which is situated on the heart of tea belt of Terai region. Initially a Course on Postgraduate Diploma in Tea Management was launched and later in the year 2012, M.Sc. in Tea Science, which is considered to be first of its kind in the world started to cater to the need of the tea industry in a better way.

The characteristic features of the presently run Courses are furnished below :

1) **M.Sc. in Tea Science:** It's a two-year Postgraduate Course divided into four semesters. Course fee (Non-refundable) is Rs 30,000 per semester. Science graduates with Honours in Physics, Chemistry, Botany, Zoology, Biochemistry, Microbiology and B.Sc. Agriculture students are eligible to apply for the Course. The students from other Universities require to attend a written test and viva-voce for admission to the Course. Reservation of seats for other Universities is 40%.

Number of Seats : 20 (Twenty) (General category - 11; Reserved for SC Category 22% - 5; Reserved for ST category 6% - 2; Reserved for BPL/Antyodaya category 3%- 1; Reserved for Physically challenged category 3% - 1;)

The Course curriculum consists of the following aspects:

1st Semester : i) Tea Culture , Botany & Microbiology ii) Breeding of Tea iii) Biostatistics iv) Basic Principles of Physical Sciences & Instrumentation v) Computer Applications

2nd Semester : i) Tea Propagation and Nursery Management ii) Young Tea Management iii) Management of Mature Tea iv) Manufacturing & Packaging of Tea

3rd Semester : i) Tea Pests & their Management ii) Soil & Integrated Nutrient Management iii) Tea Industry Waste Management iv) Tea Chemistry & Pharmacology v) Sensory Evaluation & Quality Control of Tea

4th Semester : i) Legislation & Trade of Tea ii) Ethics & Intellectual Property Rights

Accommodation : Hostel facility is available for the M.Sc. students.

Admission Test :

Distribution of Marks : i) Marks of the Qualifying Exam - 30 marks(maximum). ii) Written Test - 50 marks. iii) Written Test Marks allocation - Objective type - 20 marks; Essay in English - 10 marks; Short questions - 20 marks

Written test subjects / topics : Botany, Zoology, Chemistry, English, GK, Current affairs, reasoning etc.

Written test time : 1 (one) hour

Viva-voce - 20 marks

The candidates securing 40 % marks and above in written test will be selected for viva-voce.

The ranking of the successful candidates will be made on the basis of the marks of the qualifying examination + the marks obtained in the written test + marks obtained in the viva-voce.

2) **Postgraduate Diploma in Tea Management (PGDTM) :** This is a one-year postgraduate diploma Course divided into two semesters. Graduate of any discipline is eligible to apply for the Course.

Course fee (Non refundable): Rs 40,000 (for Indian students) ; Rs 50,000(for candidates from other SAARC countries) ; Rs 80,000 (for candidates from foreign countries other than SAARC countries)

Number of Seats : 40 (forty)

Indian students : 33 (General 21; Reserved for SC Category 22% - 8; Reserved for ST category 6% - 2; Reserved for BPL/Antyodaya category 3%- 1; Reserved for Physically challenged category 3% - 1;) Reserved for students of other SAARC countries - 2; Reserved for Foreign students other than SAARC countries - 5.

The Course curriculum consists of the following aspects:

- i) Botany of Tea & Tea Nursery
- ii) Agronomy of Tea
- iii) Soil & Water Management

- iv) Pest Management
- v) General Aspects of Tea
- vi) Biochemistry & Tea Manufacture
- vii) Labour Laws & Management
- viii) Tea Economics
- ix) Computer Applications

Admission Test :

Distribution of Marks : i) Marks of the Qualifying Exam – 30 marks (maximum). ii) Written Test – 50 marks. iii) Written Test Marks allocation – Objective type – 20 marks; Essay in English – 10 marks; Short questions – 20 marks

Written test subjects / topics : Botany, Zoology, Chemistry, English, GK, Current affairs, reasoning etc.

Written test time : 1 (one) hour

Viva-voce – 30 marks

The candidates securing 40 % marks and above in written test will be selected for viva-voce.

Accommodation : This Course is non-residential. But few seats are available in the University hostel on first come first serve basis.

The ranking of the successful candidates will be made on the basis of the marks of the qualifying examination + the marks obtained in the written test + marks obtained in the viva-voce.

Practical Training : University has a 40- acre tea plantation where students get hands on training. Every week the students are taken to various tea gardens for gaining practical knowledge. As per the curriculum, the M.Sc. students need to stay 15 days and the PGDTM students 30 days in a tea garden as a Residential Training.

Role of Tea Board and Planters' Associations : Tea Board provides financial support for the Course every year. All the tea Associations (Indian Tea Association, Tea Association of India, Indian Tea Planters' Association, Terai Indian Planters' Association) under the Consultative Committee of Planters' Association (CCPA) assists the Department by imparting Residential training to the students free of cost and also helps in placement of the students.

Placement of the students : The Department makes all efforts to get the students jobs in tea gardens and Tea Board, tea research centres and agrochemical companies. So far the percentage of placement is very encouraging.

Faculty : The faculty comprises of the teachers from the tea gardens (mainly tea garden Managers), Executives of the tea associations, teachers from other departments and teachers of the parent Department.

3) SHORT TERM COURSE FOR THE FOREIGN STUDENTS

ONE MONTH – INTERNSHIP FOR THE UNDERGRADUATE STUDENTS:

The break up of the curriculum is as follows:

- i) Seven days' Orientation Course on Tea Science & Management, mainly consisting of theoretical lectures.
- ii) Seven days' Practical exposure to tea cultivation and processing in the tea plantation of North Bengal University as well as the adjacent tea gardens.
- iii) Seven days' off campus residential training in any commercial tea gardens.

Course Fee (Non-refundable)- US\$ 500 which includes board and lodging, conveyance to the tea gardens, study materials, course fee, cost of off-campus training in any commercial tea garden and contingency expenses.

OTHER COURSES:

This Department has the distinction of conducting Tea Board sponsored Training Program for the Small Tea growers of North Bengal, Bihar and Sikkim.

3-month Training Programme (Refresher Course) was conducted for the Assistant Managers of various tea gardens under Andrew Yule & Company Ltd.

In future also there is a plan to conduct Short Term Training Programme / Refresher Courses for the Executives of tea gardens if sufficient number of candidates are available.

TEA BOARD APPROVED SOIL TESTING LABORATORY

In the soil Testing laboratory, soil from various tea gardens of North Bengal, Bihar, Assam and Sikkim are analyzed for various parameters viz pH, Organic Carbon, Organic matter, Nitrogen, available Phosphorus, available Potassium, available Sulphur, texture, EC etc.

GUEST FACULTY

Dr. M. P. Sinha, Former Agronomist, Tocklai Experimental Station, Jorhat, Assam
Dr. S. Debnath, Former Mycologist, Tocklai Experimental Station, Jorhat, Assam
Mr. N. K. Basu, Former Principal Advisor, Indian Tea Planters' Association
Mr. V. S. Parmar, Advisor, P. C. Mittal Tea Group
Mr. S. S. Selvam, Tea Taster, J. Thomas & Company Pvt. Ltd.
Dr. Soumitra Sarkar, Assistant Professor, Alipurduar College
Mr. Kamal Kallani, Distributor of American Springs & Pressing Works
Mr. C. R. Nayak, Former Head Computer Centre NBU

VISITING FACULTY FROM THE UNIVERSITY

Dr. Om Prakash Sharma, Department of Law
Dr. Arnab Sen, Department of Botany
Prof. A. P. Das, Department of Botany
Prof. Ananda Mukhopadhyaya, Department of Zoology
Dr. Subhash Chandra Roy, Department of Botany
Dr. Palash Mandal, Department of Botany
Dr. Biswajit Sinha, Department of Chemistry

ANNEXURE 'A'

LIST OF PUBLICATIONS

Sarkar, Satyajit and Kabir, S.E. (2016). Studies on the impact of commonly used herbicides on beneficial soil microbes in Terai tea plantation, West Bengal, India. *Annals of Plant Sciences*. Volume 5.1. Page no.: 1254-1260.

Sarkar, Satyajit and Kabir, S.E. (2016). A field Survey of Sucking Tea Pest and Their Control Measures in Few Tea Gardens of Terai Region, West Bengal, India. *International Journal of Science and Research*. Volume 5 Issue 3. Page no.: 1343-1345.

Sarkar, Satyajit and Kabir, S.E. (2016). A Field Survey of Tea Diseases and Their Control Measures in Some Tea Gardens of Terai Region, West Bengal, India. *International Journal of Recent Scientific Research*. Volume 7 Issue 3. Page no.: 9810-9813.

Sarkar, Satyajit; Datta, Satarupa; Roy, Pradipto; Biswas, Hemen and Kabir, S.E. Population dynamics of Red Spider Mites (*Oligonychus coffeae*) against synthetic pesticide, bio-pesticide and natural extracts in Terai region of West Bengal, India. International Journal of Scientific and Research Publications. Volume 6 Issue 8. Page no.: 347-354.

Sarkar, Satyajit; Chakraborty, Dipanjana; Chowdhury, Sneha; Santra, Priyanka Chakraborty, Bhaskar and Kabir, S. E. Population dynamics of Scarlet Mites (*Brevipalpus phoenicis*) at tea garden against synthetic pesticide; bio-pesticide and natural extracts in Terai region of West Bengal, India. International Journal of Current Research. Volume 8 Issue 9. Page no.: 39275-39279.

Bhaduri, Jayanta. Kundu, Pritam. Sayed Edward Kabir, Roy, Subhash Kanti. (2016) Isolation and Characterization of non-symbiotic Nitrogen fixing bacteria (*Azotobacter* sp) from the tea field soil of Terai region of North Bengal, India. International Journal of Advanced Research in Engineering and Applied Sciences. Vol. 5, No. 8, August, 2016, pp 19-33.

Bhaduri Jayanta, Kabir, S.E. (2016) Effect of Azospirillum, Azotobacter and Processed Organic Manure on Growth of Young tea (*Camellia sinensis*) plant in Terai Region of W.Bengal. Assam Review and Tea News, July 2016, Vol. 105 No. 5 pp11-17

Debnath, S. & Kabir, S.E. (2016) Antagonistic behavior of *Trichoderma harzianum* against *Aspergillus flavus* and *A.niger*. Communicated to Two & a Bud, Tocklai Tea Research Institute, Jorhat.

Kabir, S.E. (2016) Natural Enemies & Plant Extracts for Control of Tea Pests. The Assam Review & Tea News. Vol 105. No. 11, 26th March, 2016. pp 11-19.

Kabir, S.E. (2015) Biodynamic preparations, compost and Vermiculture. Published on "The Assam Review & Tea News"

Kabir, S.E. (2016) Different types of Looper Caterpillars found in Tea gardens. The Assam Review & Tea News. Vol 104. No. 11, 26th January, 2016. pp 15-24

Seminars Organized in the Department

Drought Management in Tea – 24.09.2015

Impact of Commonly used Herbicides on Beneficial Soil Microbes in Terai Tea Region – 07.10.2015

Manufacturing and chemistry of tea – 12.02.1026

Vegetative Propagation of Tea – 10.03.2016

Recent Trends in Tea Processing and Food Safety – 28.03.2016

Seminar presented outside the University

Kabir, S.E. (2015) Role of Adjuvant in tea cultivation. Seminar on Environmental Pollution, Health Hazard and Tea Plantation. Organized by Centre for Indian Small Tea Growers Associations (CISTA) and Back to Life Society at Jalpaiguri on 15th November, 2015

Department of Zoology

1. Name of the Department: **Zoology**
2. Date of Establishment : **1984**
3. Introduction of the Department :

The Department of Zoology, University of North Bengal was established in 1984. The Department had Eight Faculty members and 8 Secretarial and Laboratory Personnel. The Department has earned high accolades with the awards of DST-FIST (Faculty Improvement Program) and UGC-SAP (Special Assistant Program) supports apart from independent research projects sponsored by almost all funding authorities of Government of India and Govt. of West Bengal. The Department has identified itself in the specialized fields of (i) Insect pest management including resistance status of tea pests and biopesticide development (ii) Ecology and impact of pollutants/pesticides on aquatic biota including fish fauna (iii) Molecular Cell Biology and Genetics in study of human health at chromosomal and DNA levels (iv) Studies on Ornamental Fishes and Integrated Fish Farming in the hills of Darjeeling and plains of North Bengal. Further field extension programmes have been executed in the field of Aquaculture and a Centre named "Fisheries and Training Centre" has been established. The Department has produced more than fifty Ph.D. scholars, most of these have been placed in responsible positions in teaching, research, corporate and governmental services.

The Faculty Members have been honoured by various awards such as FNASC, FZSEI, FZS (Calcutta), DBT National Associateships, Overseas Associateship, INSA Exchange collaborateship State honours for book writing Members of different Academic Boards and so on. Scientific contributions of the Faculty Members in terms of project investigation and publication have attained an enviable position. Central and State funded projects have been bagged by the Department from various authorities, such as UGC, CSIR, DST, DBT, DoE & F, NTRF, ICMR, State DST, State DBT and State Department of Fisheries. The Department has published numerous papers in Foreign and National Peer-Reviewed Journals having high Impact factor in some of them.

Department of Zoology is proud of having today a sophisticated laboratory marked with almost all precision instruments for conducting advance research like, Phase Contrast Microscope, Magnetic Cell Sorter, PCR, Gel doc, Micro Plate reader, UV Spectrophotometer, HPLC, Ultra Centrifuge and GC-MS.

4. Name of the Faculty:

<u>Professor</u>	<u>Associate Professor</u>	<u>Assistant Professor</u>
Prof. A. Mukhopadhyay (Rtd.)	Dr. M. Bahadur	Dr. D. Saha
Prof Sudip Barat	Dr. S. Bhattacharjee	Mr. T. Saha
Prof. T. K. Chaudhuri (Rtd.)	-	

5. Name of the Research Scholars: (2015-2016)

S. No.	Name
	Benoy Kishore Rai
	Dawa Bhutia
	Rujas Yonle
	Ritesh Biswa
	Sangita Khewa Subba
	Pokhraj Guha
	Gautam Debnath

	Ganesh Bahadur Thapa
	Rakesh Prasad Bhagat
	Subhrojyoti Roy
	Tapan Sarkar
	Arpita Dey

6. Name of the Project.Scholars:

S.No	Name	Remarks
1.	Anjali Kumari Prasad	NTRF Fellow
2.	Priyankar Dey	ICMR Fellow
3.	Uttara Dey Bhowmick	UGC BSR
4.	Ruksa Nur	MANJR Fellow
5.	Jayashree Saren	RGNF
6.	Sutanuka Chattaraj	UGC BSR
7.	Tanmoy Mukhopadhyay	UGC BSR
8.	Kumar Basnet	UGC BSR Fellow
9.	Sanjib Sarkar	UGC BSR
10.	Minu Bharti	CSIR-UGC JRF
11.	Bappaditya Ghosh	UGC BSR
12.	Subhashis Paul	UGC BSR
13.	Tanmoy Dutta	UGC BSR
14.	Somit Dutta	UGC BSR
15.	Avisek Das	UGC BSR
16.	Mrinal Roy	UGC BSR
17.	Trisita Mazumdar	UGC BSR
18.	Swati Singh	WB-DBT (Project Asst)

7. Name of the Non –teaching Staff: (2014-2015)

Name	Designation
Mr. Subrata Ghosh	Sr. Assistant
Mr. Samiran Ch. Debnath	Lab Attendant
Mr. Samarendra Nath Ghosh	Lab Bearer
Mr. Ram Krishna Ghosh	Lab Attendant
Mr. Sudam Das	Peon (Casual)

8. Student Strength

Semester	Male	Female	Total	Year
2 nd Sem	16	16	32	(2015-2016)
4 th Sem	07	19	26	(2015-2016)

9. Seminar/Conferences attended:[Outside the Country & Within the Country(2015-2016)]

Name of the teacher	Name of the Seminar/ Conference	Venue and Date	Title of the paper presented
Prof. Ananda Mukhopadhyay	National Symposium on Nanotechnology Applications in Biological Research for Human Welfare,	Department of Zoology, University of North Bengal. February 6-7,2016	

	National Seminar on Global climate change and its impacts on Floral, Faunal and Microbial biodiversity, Organized by Department of Botany, St. Joseph's College, Darjeeling in collaboration with Teesta Torsa Agro Care Welfare Society, Kalimpong, June, 2015	Department of Botany, St. Joseph's College, Darjeeling, June 2015	UGC Sponsored
Prof. T.K.Choudhuri	National Symposium on Nanotechnology Applications in Biological Research for Human Welfare,	Department of Zoology, University of North Bengal. February 6-7, 2016	
Prof. Sudip Barat	Advance practices on fish and shrimp health management for sustainable aquaculture	West Bengal Univ of Animal & Fisheries Sciences, Kolkata March 22, 2016	Water & Soil Quality parameters in relation to Fish Health: Its importance
	National Symposium on Nanotechnology Applications in Biological Research for Human Welfare,	Department of Zoology, University of North Bengal. February 6-7, 2016	
Dr. Min Bahadur	National Symposium on Nanotechnology Applications in Biological Research for Human Welfare,	Department of Zoology, University of North Bengal. February 6-7, 2016	
Dr. Soumen Bhattacharjee	National Symposium on Nanotechnology Applications in Biological Research for Human Welfare,	Department of Zoology, University of North Bengal. February 6-7, 2016	
	National Conference on "Natural resources, diversity & sustainable development" Organized by Foundation for science and environment, kolkata and West Bengal Biodiversity Board	Department of Zoology, University of North Bengal. December 11-12, 2015.	genetic diversity analyses of <i>badis badis</i> (hamilton-buchanan, 1822) in the sub-himalayan dooars region of west bengal, india.
Mr. Dhiraj Saha	4 th Congress on Insect Science	Department of Entomology, Punjab Agricultural University, Ludhiana, Punjab, April 16-17	Genetic variation among different populations of <i>Helopeltis theivora</i> Waterhouse (Miridae)

		2015.	Hemiptera), a major sucking pest of tea from Northeast India
	Science in Bengal” a Satellite Conference of ‘22nd West Bengal State Science and Technology Congress 2015’	University of North Bengal, June 3-4, 2015.	
	National Conference on “Advances in Biology: Eastern Himalayan perspective”	Department of Zoology, Kalimpong college, Kalimpong, West Bengal. October 3-4, 2015,	Genetic Diversity of Scirtothrips dorsalis Hood, an important sucking insect pest of tea, through RAPD-PCR from different tea plantations of sub-Himalayan West Bengal
	National Conference on “Advances in Biology: Eastern Himalayan perspective”	Department of Zoology, Kalimpong college, Kalimpong, West Bengal. October 3-4, 2015,	Variation in esterase activity among different sub-Himalayan populations of Stegomyia (=Aedes) aegypti L
Mr. Tilak Saha	Asutosh College centenary talk on ‘ Fish Immunology ’	Department of Fishery, Asutosh College, Kolkata On November 19 th 2015	“on’ Fish Immunology ’
	National Conference on “Natural Resources, Diversity and Sustainable Development”	Department of Biotechnology, NBU 11 - 12 December, 2015	“Isolation of multiple antibiotic resistant Salmonella strains..... Kaziranga National Park”
	On Zoology Practical Part II (NBU Syllabus)	North Bengal St. Xavier’s College, Jalpaiguri, 10 th October, 2015	
	On “Contemporary Laboratory and Field Courses in Zoological Science”	Department of Zoology, APCR Go. College, Siliguri, 22 nd Nov.- 1 st Dec., 2015	
	National Conference on “Natural Resources, Diversity and Sustainable Development”	Department of Biotechnology, NBU, 11 - 12 December, 2015	“Molecular Characterization of Six Novel Decomposers Isolated from the Gut of Eisenia fetida
	National Conference on “Natural Resources, Diversity and Sustainable Development”	Department of Biotechnology, NBU, 11 - 12 December, 2015	Modulation of Coelomocyte Phagocytic Behavior in Eisenia fetida in

			response to Bacillus thuringiensis Infection”
	“Man and Microbes”	Department of Microbiology, Raiganj University, 28-29 th March, 2016	

10. Organized Seminar/ Conference

Name of the Seminar/ Conference	Date of the Seminar/ Conference	
National Symposium on Nanotechnology Applications in Biological Research for Human Welfare, Department of Zoology, University of North Bengal.	February 6-7,,2016	UGC General Dev. Fund
National Conference on “Natural resources, diversity & sustainable development” Organized by Foundation for science and environment, kolkata and West Bengal Biodiversity Board	Department of Zoology, University of North Bengal. December 11-12, 2015.	
Skill Upgradation on Processing of Fish and Fishery Products, Fisheries Research & Training Centre, Department of Zoology, University of North Bengal	13th ana 14th August 2015	WBUAFS, Kolkata

11. Publications:

Name of the Author(s)	Name of the Book / Journal/volume	Year of publication
Prof Ananda Mukhopadhyay	Pesticide Resistance in Insect and Mite Pests of Tea in Sub-Himalayan Terai-Dooars Plantations: Status, Detection and Possible Management. In: Tea Technologic Initiatives. Eds., Niladri Bag, Arundhati Bag and L.M.S. Palni, New India Publishing Agency, New Delhi. Pp. 91–122	2016
	Journal of Asia-Pacific Entomology. 19: 167-172.	2016
	Applied Microbiology and Biotechnology, 100: 4831-4844.	2016
	NBU Journal of Animal Sciences. 9: 1-8.	2015
	Journal of Applied Bioscience. 41(2): 163-167.	2015
	Journal of Current Research and Academic Review. 3(8): 81–87.	2015
	Annals de la Société entomologique de France. 55(2): 145–152.	2015
	Proceedings of National Academic of Sciences, India Section B: Biological Sciences. DOI: 10.1007/s40011-015-0532-y. (Impact Factor: 0.396) (Springer)	2015
	International Journal of Pest Management Vol. 61(3): 179-197	2015
Prof. T. K. Chaudhuri	Chemico-Biological Interactions. 235(7):37-46.	2016
	Human Immunology. 76(11):789-94.	2016
	Pharmaceutical Biology 1104702.	2016
	Cytotechnology, 1-13.	2015

	J Basic and Clinical Physiology and Pharmacology.	2015
	Food and Agricultural Immunology, 1-13.	2015
	Indian J Pharmacology. 47(4):447-450	2015
	Frontiers in Molecuklar Biosciences. 2: 1-5.	2015
	Cytotechnology, 1-13.	2015
	J Basic Clin Physiolo Pharmaco., 26(4): 395-401.	2015
	Food and Agricultural Immunology, 1-13.	2015
	BMC Complementary and Alternative Medicine. 15:107.	2015
	Human Genetics. 1-11.	2015
	Journal of Ethnopharmacology, 161 128-137.	2015
Prof.(Dr.) Sudip Barat	International Journal of Pure & Applied Sciences, 3(1): 247-256	2015
	International Journal of Science and Research, 4(6): 2565-2569	2015
	International Journal of Applied Research, 1(9): 424-435	2015
	European Journal of Biotechnology and Bioscience, 3(9):12-17	2015
	International Journal of Multidisciplinary Research and Development 2 (10): 507-509	2015
	International Journal of Recent Scientific Research, 6 (10): 3931-3935	2015
	European Journal of Experimental Biology, 5(10): 46-48	2015
	Journal of Entomology and Zoology Studies, 3(6): 183-188	2015
	International Journal of Current Research, 7(11): 22208-22215	2015
	Our Nature, 13(1): 50-57	2015
	NBU Journal of Animal Sciences , 9: 21-25	2015
	NBU Journal of Animal Sciences, 9: 15-19	2015
	International Journal of Pure & Applied Science, 3(1): 247-256	2015
	International Journal of Applied Research, 1 (11): 767-768	2015
	International Journal of Pure & Applied Bioscience, 4 (2): 9-16	2016
	International Journal of Pure & Applied Bioscience , 4(3): 144-153	2016
	International Journal of Research in Fisheries and Aquaculture, 6(2): 26-31	2016
	International Journal of Fisheries and Aquatic Studies, 4(1): 209-2013	2016
	A synthetic Hormone enabled procvss of captive breeding of genus Barillius , Patent aplication No. 201631003059 A, Date of filing application : 28.01.2016 and publication	2016
Dr. Min Bahadur	Journal of Genetics 95(2): 399-409.	2015
	NBU Journal of Animal Sciences 9: 27-32(ISSN 0975-1424)	2015
	Int. J. Sci. Res. 4(6): 2565-2569. ISSN (Online):2319-7064 I	2015
	India. Int. J. Fisheries and Aquatic Studies 3(2):17-23.	2015
	Int. J. Current Research and Academic Review. 3(8): 81-87.	2015
Dr. Soumen Bhattacharjee	North Bengal University Journal of Animal Sciences 9: 9-13.	2015
	Virus Adaptation and Treatment 7: 57-66.	2015
	Human Immunology 76: 789-794.	2015
	International Journal of Fisheries and Aquatic Studies 3(2): 17-23.	2015
	International Journal of Aquaculture 5 (27): 1-10.	2015

	International Journal of Pharmacy and Pharmaceutical Sciences 7 (7): 30-39.	2015
	Indian Journal of Medical Microbiology 33 (4): 491-495.	2015
Dr. Dhiraj Saha	International Journal of Tropical Insect Science. 36(3): 106-118.	2016
	Insecticide resistance Edited by Stanislav Trdan, InTech Europe, Rijeka, Croatia, ISBN 978-953-51-4591-2.	2016
	Proceedings of Zoological Society 68 (2): 184-188.	2015
Mr. Tilak Saha	Nil	

12. Research Projects (Major & Minor):

Major Research Project			
Name of the teacher	Title of the Scheme Project	Sanctioned Authority	
Prof. Ananda Mukhopadhyay	NIL		
Prof. T.K.Choudhuri	Study of the frequency and distribution and Toll like receptor (TLR) genes and Killer cell Immunoglobulin like receptor (KIR) in Gurkha and Rajbanshi population of Sub – Himalayan region of West Bengal.	Indian Council of Medical Research (ICMR)	Continued
Prof.(Dr.) Sudip Barat	1)“Establishment of Rural Bio-resource Complex in North Bengal”	DBT, New Delhi	Continued
	2)“ Formulation of Probiotics for Major and Minor Carps”	DBT, Govt. of West Bengal	Continued
Dr. Min Bahadur	Pesticide Residue Analyses of River Water flowing through the Tea gardens of Terai region of North Bengal and in the tissues of the riverine fishes with a special emphasis on molecular characterization and phylogenetic analyses of cytochrome p450 involved in pesticide metabolism.	West Bengal Department of Biotechnology (PI) Period: 2014-2017	Continued
Dr. Soumen Bhattacharjee	Estimation of Genetic Diversity of Threatened Fishes of Ornamental Values in Terai and Dooars region of West Bengal. [Major]	UGC Reference No.: 40-289/2011. Period: 2011-2014	
	Pesticide residue analyses of river water flowing through the tea gardens of Terai region of North Bengal and in the tissues of the riverine fishes with a special emphasis on molecular characterization and phylogenetic analyses of Cytochrome P450 involved in pesticide metabolism. [Major]	West Bengal Department of Biotechnology (Co-Investigator) Period: 2014-2017	

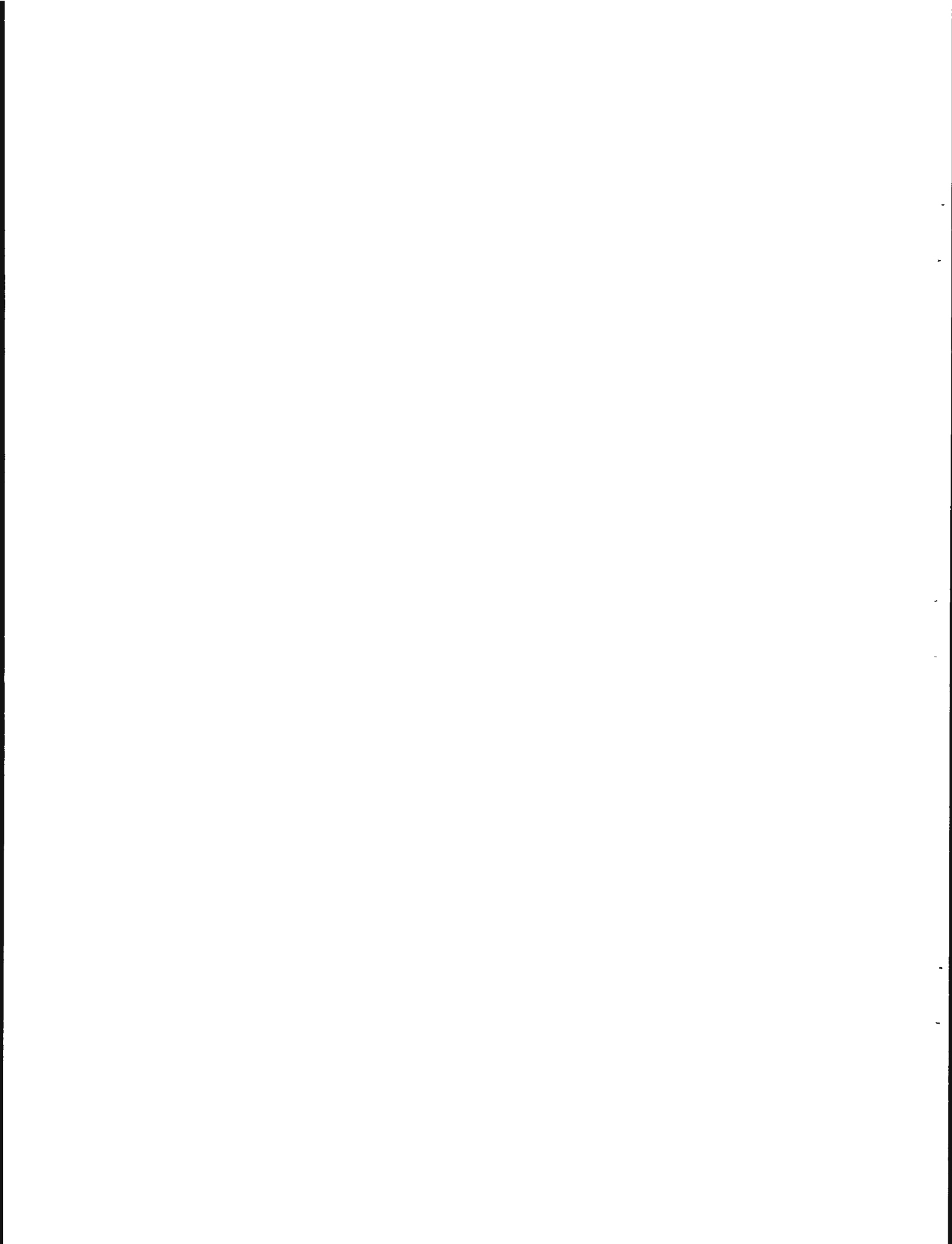
Mr. Dhiraj Saha	Nil		
Mr. Tilak Saha	Nil		
Minor Research Project			
Name of the teacher	Title of the Scheme Project	Sanctioned Authority	
Prof. Ananda Mukhopadhyay	Nil		
Prof. T.K.Choudhuri	Nil		
Prof.(Dr.) Sudip Barat	Nil		
Dr. Min Bahadur	Nil		
Dr. Soumen Bhattacharjee	Nil		
Mr. Dhiraj Saha	Nil		
Mr. Tilak Saha	Nil		

13. **Visiting Fellow:** **NIL**

Name of the Visiting Fellow	Duration	

14. **Any other information (Award received): Nil**

ARTS, COMMERCE & LAW



Department of Bengali

1. Name of the Department : Bengali

2. Date of Establishment : 1965

3. Introduction of the Department :

The Department of Bengali commenced its journey from 8th February 1965, three years after the establishment of the University of North Bengal. The basic objectives were the promotion of Vernacular education, systematic and scholarly study of Bengali literature and language and regional languages & literature as well. In its long journey of last 51 years, it has most commendably performed its duties and successfully fulfilled its purpose. At the outset the Department was started with two teachers and thirteen students in its present location. Over the years, the number of Students, Research Scholars and Teachers have increased. It is now running with ninety three students in each part and six teachers. It has firmly established its worth in teaching and research in the field of Bengali language and literature.

4. Name of the Faculty :

Professor : 4 Associate Professor : NIL Assistant Professor : 2

Sl.No.	Name	Designation
1.	Dr. Subodh Kumar Jash	Professor
2.	Dr. Manjula Bera	Professor
3.	Dr. Nikhil Chandra Ray	Professor
4.	Dr. Dipak Kumar Roy	Assistant Professor
5.	Dr. Utpal Mandal	Professor
6.	Dr. Tapan Mandal	Assistant Professor

5. Name of the Research Scholars : 40

6. Name of the Project Scholars : NIL

7. Name of the Non-Teaching Staff :

Sl. No.	Name	Designation
1.	Rajiv Goswami	Senior Assistant.
2.	Ramesh Chandra Singha	Jr. Peon

8. Students Strength

Students	Male	Female	Total
Session 2015-16			
Part – I			
1 st Sem.			
2 nd Sem.	27	64	91
Part – II			
3 rd Sem.			
4 th Sem.	27	58	85

9. Seminar/Conference attended (Outside the Country & Within the Country):

Name of the teacher	Name of the Seminars/conference	Venue & Date	Title of the paper presented
Prof. Subodh Kumar Jash	1. Attended UGC Sponsored International Seminar on 25-26 February, 2016 on "Bish Sataker Shat-Sattar Dasak(1960 - 1979) : Samay O Sristi"	Department of Bengali, University of North Bengal. 25-26 February, 2016	
Prof. Manjula Bera	1. Attended International Seminar on 18-19 September, 2015 on Manishi Thakur Panchanan Barma organized by Thakur Panchanan Smarak Samity, Siliguri and Manishi Thakur Panchanan Barma Janma Sardha Satabarsha Udjapan Committee 2015, Siliguri in Collaboration with Centre for Studies in Local Languages and Cultures, North Bengal University. 2. A Lecture delivered as a Resource Person in the Short Term Course on Reseach Method for Scholar (Inter - disciplinary) during December 17 - 23, 2015 in the HRDC premises organised by the UGC Human Resource Development Centre (Erstwhile UGC Academic Staff College), University of North Bengal. 3. Attended UGC Sponsored International Seminar on 25-26 February, 2016 on "Bish Sataker Shat-Sattar Dasak(1960 - 1979) : Samay O Sristi" 4. Attended UGC Sponsored National Seminar On 'Women, Environment & Science' on 29-30 March, 2016 and Chaired in the Technical Session - IV on 30 th March 2016 organized by Centre for Women's Studies, University of North	1. Rabindra Bhanu Mancha, University of North Bengal, on 18-19 September, 2015. 2. UGC Human Resource Development Centre (Erstwhile UGC Academic Staff College), University of North Bengal on 19 th December, 2015 3. Department of Bengali, University of North Bengal on 25-26 February, 2016 4. Seminar Hall, Humanities Building, University of North Bengal on 29-30 March, 2016.	1. Gabeshana Paddhati Bangla Bhasha Sahitye

	Bengal. 5. Attended a National Level Seminar on the issue of 'Local Self Government, Democracy and Importance of the 73 rd and 74 th Constitutional Amendment Act` on 16 th August, 2015 organized by Siliguri Municipal Corporation, Siliguri	5. Hotel Sinclairs, Siliguri on 16 th August, 2015.	
Dr. Nikhil Chandra Ray	2. Attended UGC Sponsored International Seminar on 25-26 February, 2016 on "Bish Sataker Shat-Sattar Dasak (1960 - 1979) : Samay O Sristi	Department of Bengali, University of North Bengal 25-26 February, 2016	
Dr. Dipak Kumar Roy	3. Attended UGC Sponsored International Seminar on 25-26 February, 2016 on "Bish Sataker Shat-Sattar Dasak (1960 - 1979) : Samay O Sristi"	Department of Bengali, University of North Bengal 25-26 February, 2016	
Dr.Utpal Mandal	4. Attended UGC Sponsored International Seminar on 25-26 February, 2016 on "Bish Sataker Shat-Sattar Dasak (1960 - 1979) : Samay O Sristi"	Department of Bengali, University of North Bengal 25-26 February, 2016	
Dr. Tapan Mandal	5. Attended UGC Sponsored International Seminar on 25-26 February, 2016 on "Bish Sataker Shat-Sattar Dasak (1960 - 1979) : Samay O Sristi"	Department of Bengali, University of North Bengal 25-26 February, 2016	

10. Organized Seminar/Conference:

Name of the Seminar/Conference	Date of the Seminar/Conference	
UGC Sponsored International Seminar on "Bish Sataker Shat-Sattar Dasak(1960 - 1979) : Samay O Sristi"	25-26 February, 2016	

11. Publication :

Name of the Author	Name of the Book/Journal/Volume	Year of Publication
Prof. Subodh Kumar Jash		
Prof. Manjula Bera		
	1 Doulat Kajir Lorchandrani O Satimayna : Parjalochana O Mulyayan published from Bangiya Sahitya Sansad, 11A, Bankim Chatterjee Street, Kolkata – 73 (Book)	2015
	2. Baishnav Padabliir Bhasasaili published from Bangiya Sahitya Sansad, 11A, Bankim Chatterjee Street, Kolkata – 73 (Book)	2016
	3. Aashapura Devir ‘Aayojan’ : Natun Bhavna Grahaner Prastutir Aalekhya published in ‘Galpakatha : Prasanga Aashapura Devir Nirbachita Chhotagalpa’ (Book) Edited by Samaresh Majumder and Tapan Mandal & Published by Vidya, 11 Raja Rammohan Roy Road, Navapally, Barasat, Kolkata – 700126. (Article)	July, 2015
	4. Jamidar Rabindranath : Sristi O Karmar Bandhane published in Bangla Bibhagiya Patrika, Department of Bengali, University of North Bengal. (Article)	2016
	5. Satimoyna O Lorechandrani :Ekti Tulanamulak Aalochana published in Visvabharati Patrika, (Editor – Prof. Amitrasudan Bhattacharya) Visva Bharati Granthan Bibhag, 6 Acharya Jagadish Chandra Basu Road, Kolkata – 700017. (Article)	2016
	6. Rabindranather Kalame Kalidas O Tanr Sahitya-Kriti : Ekti Anusandhani Samiksha published in Visvabharati Patrika, Visva Bharati Granthan Bibhag, 6 Acharya Jagadish Chandra Basu Road, Kolkata – 17. (Article)	2016
	7. Narayan Dev-er ‘Padmapuran’-e Bishay O Silpa-Kathamor Baichitrya published in Oikik Patrika, D. B. C. Road, Jalpaiguri and edited by Mithun Datta & Editorial Board.	2015
Prof. Utpal Mandal		
	1. BANGLA PROBANDHA PATH O BISLESHON (Jointly Edited), published from GRANTHOTIRTHO (Book)	2016

12. Research Projects (Major & Minor):

Major Research Project		
Title of the Scheme Project	Sanctioned Authority	
NIL		
Minor Research Project		
Title of the Scheme Project	Sanctioned Authority	
NIL		

13. Visiting Fellow :

Name of the Visiting Fellow	Duration	
NIL		

14. Any other information (Award Received) : NIL

Department of Commerce

Name of the Faculty Members	Articles Published	Papers presented in Seminars & Conferences
Prof. Palas R. Sengupta	3	0
Prof. Indrajit Ray	8	0
Prof. SamirendraNath Dhar	2	0
Prof. Hirak Ray	1	0
Prof. Debabrata Mitra	3	11
Prof. Dipen Roy	1	3
Dr. Debasis Bhattacharya	4	0
Total	22	14

Detail List of Publications

Publications by Prof. Palas R. Sengupta

1. "An Empirical Study of the Influence of the work itself on the Motivation of School Teachers" Amity Business Review (ISSN: 0972-2343), Vol.17, No.1, Jan – June 2016 with co-author Debarshi Roy.
2. 'An Empirical Study of the workplace happiness of Doctors in North Bengal', Research Journal of Humanities and Social Sciences, ISSN:0975-6795, Vol.7,No.1, January-March, 2016 with co-authors Mamta Prasad and Debarshi Roy
3. "An Empirical Study of the Influence of colleagues on the Motivation of Teachers" in ""Challenges in Teacher Education"", December, 2015 (Invited Article) with co-author Debarshi Roy.

Publications by Prof. Indrajit Ray,

1. Dynamics of Bengal coal mining in the nineteenth century: Dissemination of mineralogical knowledge and railway networking', Indian Economic and Social History Review, Vol. 52, No. 4, 2015, pp. 463-499
2. 'The Great Divergence' Revisited: The Case of Bengal in Early ModernTimes', Economic History of Developing Regions, Volume 30, Issue 2, DOI: 10.1080/20780389.2015.1071662, pp. 125-156
3. 'The myth and reality of de-industrialisation in early modern India', in Latika Chaudhary, Bishnupriya Gupta, Tirthankar Roy, Anand V. Swamy (eds), A new economic history of colonial India, Routledge, London and New York, 2015, pp. 52-66.
4. 'Indigo in Bengal', in Helaine Selin (ed.), Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures, 3rd edition, DOI 10.1007/978-94-007-3934-5_10260-1, Springer, Berlin and New York, 2015
5. 'Jute in Bengal', in Helaine Selin (ed.), Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures, 3rd edition, DOI 10.1007/978-94-007-3934-5_10258-1, Springer, Berlin and New York, 2015
6. 'Salt in Bengal', in Helaine Selin (ed.), Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures, 3rd edition, DOI 10.1007/978-94-007-3934-5_10029-1, Springer, Berlin and New York, 2015

7. Shipbuilding in Bengal', in Helaine Selin (ed.), *Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures*, 3rd edition, DOI 10.1007/978-94-007-3934-5_10261-1, Springer, Berlin and New York, 2015

8. 'Silk in Bengal', in Helaine Selin (ed.), *Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures*, 3rd edition, DOI 10.1007/978-94-007-3934-5_10259-1, Springer, Berlin and New York, 2015

Publications by Prof. Samirendranath Dhar,

1. Business Correspondents as Catalysts of Financial Inclusion- Empirical Evidences from North Bengal, (coauthor S. Sarkar), *International Journal of Banking Risk and Insurance*, Vol 4 (1), March 2016, ISSN 2320-7507.

2. Awareness and Risk Perception of ATM Card Users: An Empirical Investigation, (coauthor P. Dhar), *International Journal of Research in Computer Application and Management*, Vol 5 (9), September 2015, ISSN 2231-1009, double blind reviewed and indexed at Ulrich Periodicals Directory USA, Cabell's Directory of Publishing Opportunities, USA and Index Copernicus, Poland,

Publications by Prof. Hirak Ray

'Integration of Domestic Financial Markets: An Indian Experience'; (with co-author A. Lahiri and D. Dey); *Asian Journal of Research in Banking and Finance*, Vol.5, No.10, Oct.2015, pp1-19, ISSN: 2249-7323(online). DOI: 10.5958/2249-7323.2015.00121.2

Publications by Prof. Debabrata Mitra,

1. Latest Trends in Management, Economics & Social Sciences" published by the Department of Business Administration, Siliguri Institute of Technology (A Unit of Techno India Group), November, 2015, pp. 97 -- 109 (Co-authored with Ms. Piyali Chandra Khan), ISBN: 978-93-5235-998-1.

2. Published a Research Paper entitled "A Study on Intellectual Capital and Performance of Life Insurance Companies Operating in India" in the quarterly *Journal of Management Development*, Vol. 46, No. 3-4, July-Dec. 2015, pp. 15-23 (Co-authored with Ms.Piyali Chandra Khan), ISSN: 0048-6175.

3. Published a Research Paper entitled "A Study on Technical Efficiency of Life Insurance Companies Operating in India in the Post Liberalized Regime – A Dynamic Panel Approach" in the *Indian Journal of Commerce*, vol. 68, No. 3, July-September, 2015, pp. 16-27, ISSN: (Print) 19-512X, (Online) 2454-6801(Co-authored with Ms. Piyali Chandra Khan).

Publications by Dr. Debasis Bhattacharya

1. Spousal purchase decision making in metropolis incorporating the moderating effect of product involvement and brand trust: A binary logistic approach, *GE- International Journal of Management Research (GE-IJMR)* ISSN: 2394-4226, 2016 co-authored by Mr. D Saha. (Accepted for publication)

2. A Comparative Assessment of Two Important Destinations in India in an IPA Framework, *Journal of Exclusive Management Science-JEMS* (ISSN-2277 5684) Vol. 4 No. 2, pp. 1-7 Impact Factor: 2.78, 2015, Co-author: Mr . S. Dey

3. How satisfied are our bank customers? An Analysis of Performance of Banks in an IPA Framework, *Indian Journal of Scientific Research-IJSR* -- (ISSN: 2277- 8179) Vol. 4 No. 2, pp 15-17, Impact Factor:1.8651, 2015. Co-author: Mr. S. Dey

4. Do Store Attributes Discriminate Between Store Formats? A Binary Logistic Approach Using Dummy, vol.4 (11), 2015, ISSN: 2277-8160, Co-author: Mr . S. Dey.

Publications by Prof. Dipen Roy

1. Education, Economic Growth and Skill Development: An Empirical Study to Explore Effective Educational and Skill Development Methods for Growth and Prosperity of the Nation, *University News*, May, 2016, ISSN: 0566-2257

List of Papers Presented in Seminars and Conferences

Papers Presented by Prof. Debabrata Mitra

1. Presented a paper entitled "The Impact of Information Technology on Commerce & Management: Evidence from Indian Life Insurance Industry" under the subtheme of Corporate Governance, Business Ethics & Business Analytics in the 6th National Business Research Conference on "Latest Trends in Management, Economics & Social Sciences", LTMES – 2015 organized by Department of Business Administration, Siliguri Institute of Technology, A Unit of Techno India Group held on 21st November, 2015 (Co-authored with Ms. Piyali Chandra Khan).
2. Acted as a technical chairperson on Human Capital in the 6th National Business Research Conference on "Latest Trends in Management, Economics & Social Sciences", LTMES – 2015 organized by Department of Business Administration, Siliguri Institute of Technology, A Unit of Techno India Group held on 21st November, 2015.
3. Presented a paper entitled "Women Empowerment through Microfinance in West Bengal with Special Reference to Jalpaiguri District" at the National Seminar on Emerging Issues in Accounting & Finance organized by the Department of Commerce, University of Kalyani and Board of Studies, Institute of Chartered Accountants of India, New Delhi held on 20th November, 2015.
4. Chaired a Technical Session IV at the National Seminar on Emerging Issues in Accounting & Finance organized by the Department of Commerce, University of Kalyani and Board of Studies, Institute of Chartered Accountants of India, New Delhi held on 20th November, 2015.
5. Presented a paper entitled "Business Education and Skill of Employability: An Empirical Study on East and West Midnapore Districts of West Bengal", at the 68th All India Commerce Conference organized by Vinoba Bhabhe University, Hazaribag held on 6th – 8th November, 2015 (co-authored with Dr. Debasish Biswas).
6. Presented a paper entitled "A Study on Influence of Behavioral Finance on Investors Preference towards Unit Linked Life Insurance Policies in India" at the 68th All India Commerce Conference organized by Vinoba Bhabhe University, Hazaribag held on 6th – 8th November, 2015 (co-authored with Ms. Piyali Chandra Khan).
7. Presented a paper entitled "Skill Development of Rural Artisans in this Globalized Regime: A Case Study with Special Reference to Three Districts of West Bengal" at the 68th All India Commerce Conference organized by Vinoba Bhabhe University, Hazaribag held on 6th – 8th November, 2015.
8. Presented a paper entitled "A Study on Smart Cities of North East India with Special Reference to Contemporary Digital India Initiatives" at the 68th All India Commerce Conference organized by Vinoba Bhabhe University, Hazaribag held on 6th – 8th November, 2015 (co-authored with Mr. Sanmoy Mallick).
9. Presented a paper entitled "Make in India: The Challenges Ahead" at the National Seminar Organised by Indian Association for Management Development, Lucknow in association with Impact College, Patna held on 4th November 2015.
10. Presented a paper entitled "Challenges & Responsibilities of Human Rights in this Globalized Regime with Special Reference to India" in the National Seminar on "Human Rights: Challenges &

Responsibilities” organized by the Teachers’ Council, Saldiha College, Saldiha, Bankura, West Bengal held on 8th – 9th October 2015.

11. Presented a paper entitled “Financial Inclusion: A Way to Empowerment of Women in Rural India” at the UGC Sponsored National Level Seminar on “Financial Inclusion: Challenges & Prospects” organized by Department of Commerce, Malda College, Malda, in collaboration with the Institute of Cost Accountants of India held on 12th – 13th September 2015 (co-authored with Ms. Piyali Chandra Khan).

Papers Presented by Prof. Dipen Roy

1. Presented a paper entitled “FDI and GDP growth” in UGC sponsored National Seminar on ‘Regional Imbalances and Sustainable Development in India with Special Reference to North Eastern Region’ organised by Siliguri College of Commerce on February 20 – 21, 2016.

2. Presented a paper entitled “Organizing PRI in West Bengal” in UGC sponsored National Seminar on ‘Regional Imbalances and Sustainable Development in India with Special Reference to North Eastern Region’ organised by Siliguri College of Commerce on February 20 – 21, 2016.

3. Presentation of paper entitled Skill Development, Business Education & Economic Growth: An Empirical Study to Explore Factors and Methods of Skill Development at the 68th All India Commerce Conference organized by Vinoba Bhave University, Hazaribag held on 6th – 8th November, 2015

Department of Economics

1. **Name of the Department** : Economics
 2. **Date of Establishment** : 01.06.1962
 3. **Introduction of the Department** : 06.11.1962
 4. **Name of the Faculty** :

Sl. No	Professor	Associate Professor	Assistant Professor
1	J. Sankrityayana	-	-
2	Dr. K. K. Bagchi	-	-
4	Dr. Sanchari Roy Mukherjee	-	-
5	-	Ms. Sudakshina Ray	-
6	-	Dr. K. Datta	-
7	-	-	Mr. T. R. Majumdar
8	-	-	Dr. G. Choudhury
9	-	-	Mr. Karan Tamang

5. **Name of the Research Scholars:**

Sl. No.	Name	Status of the Scholars	Remarks
1.	Sheela Karjee	Rajiv Gandhi Fellow	UGC
2.	Yankey Sherpa	Rajiv Gandhi Fellow	UGC
3.	Edgar Clement Mukhia	Maulana Azad National Fellowship for Minority Student	UGC
4.	Archana Tamang	Maulana Azad National Fellowship for Minority Student	UGC
5.	Dr. Minakshi Das	ICSSR Post- Doctoral Fellow	ICSSR
6.	Priyanka Muchahary	National Fellowship for Higher Education (NFHE) of ST Students (01.04.2016)	UGC
7.	Adit Pariyar	Rajiv Gandhi National Fellowship (01.04.2016)	UGC
8.	Binita Rai	National Fellowship for Students of Other Backward Classes (OBC) (01.04.2016)	UGC
9.	Alen Lama	Maulana Azad National Fellowship for Minority Student (01.04.2016)	UGC

6. **Name of the Project Fellow** : Mr. Sailesh Chettri (SAP DRS -III)
 7. **Name of the Non-Teaching Staff** : a) Shri. Nayanjyoti Das Roy (Jr. Assistant cum typist)
 b) Smt. Dolly Dey (Senior Peon)
 8. **Students Strength** :

Class	Semester	Male	Female	Total
Part I	1 st Sem.	8	22	30
	2 nd Sem	15	15	29
Part - II	3 rd Sem	9	13	22
	4 th Sem	11	13	24

9. Seminar / Conferences attended (Outside the Country & Within the Country):

Name of the Teacher	Name of the Seminar/ Conference	Venue & Date	Titled of the Paper presented
Prof. K. K. Bagchi	1. "Issues in Nutrition Security Affecting Dalits and Adivasis"	Jointly organized by National Campaign on Nutrition for Dignity (NCND), National Confederation of Dalit and Adivasi Organizations (NACDOR) in partnership with Global Alliance for Improved Nutrition (GAIN) and Department of Lifelong Learning and Extension (DLLE), University of North Bengal on 19 th November 2015.	Chaired Technical Session II on 'Dalit Voices from Grassroots on Nutrition Services Delivery and Strategies and Solutions for "Inclusive Nutrition security"'
	2. <i>Three-day Training of Trainers (TOT) Programme on Panchayat and Rural Development</i>	Organized by the Department of Lifelong Learning & Extension (DLLE), University of North Bengal, on 21.12.2015.	Chaired Technical Session II on ' Panchayat Finance in West Bengal: Challenges and Possibilities for Financial Autonomy '
	3. UGC-sponsored National Seminar on Contemporary Regional Development: Issues and Challenges	Organized by the Department of Economics, North Bengal University on 21 st December 2015	"Usefulness and need of Scholarship by Upper Primary students – A Case Study of West Bengal" jointly with Sourav Roy
	4. UGC-sponsored National Seminar on Contemporary Regional Development: Issues and Challenges	Organized by the Department of Economics, North Bengal University on 21 st December 2015	"Educational Status of Socially Backward and Forward Students in Kalimpong Town: A Comparative Study" jointly with Raju Sharma (Dahal)
	5. UGC-sponsored National Seminar on Anthropology and Society	Organized by the Department of Anthropology, North Bengal University on 23 rd December 2015	"Usefulness and need of Scholarship by Upper Primary students – A Case Study of West Bengal" jointly with Sourav Roy
	6. UGC-sponsored National Seminar on Anthropology and Society	Organized by the Department of Anthropology, North Bengal University on 23 rd December 2015.	"Educational Status of Socially Backward and Forward Students in Kalimpong Town: A Comparative Study" jointly with Raju Sharma

			(Dahal)
	7. 98th Annual Conference of the Indian Economic Association	Organized by Centre for Economic & Social Studies, Hyderabad on 27-29 December 2015	'Economic Growth and employment in India – a Critical Review' jointly with Bhajan Barman and Ratul Saha
	8. UGC-sponsored national Seminar on 'Role of SHGs as a Catalyst in Increasing Rural Livelihood'	Organized by Departments of Economics and commerce, Dinhata College on 19 th December 2015.	'Variations in Physical Performance of SHGs – A Study of West Bengal', jointly with Ratul Saha
	9. UGC-sponsored national Seminar on 'Role of SHGs as a Catalyst in Increasing Rural Livelihood'	Organized by Departments of Economics and commerce, Dinhata College on 19 th December 2015.	'Microfinance and Financial Inclusion in Nadia District, West Bengal', jointly with Bhajan Chandra Barman
	10. UGC-sponsored Short Term Course on "Positive Discrimination of SC/ST in National Development"	Organized by Equal Opportunity Cell, ABN Seal College, Cooch Behar, West Bengal, on 16/02/2016.	"Social Justice through Positive Discrimination in India: An Assessment"
	11. UGC-sponsored National Seminar on "Contemporary Development Issues on Indian Economy"	Organized by Department of Economics, West Bengal State University, Barasat on 01-02, March 2016.	Chaired Technical Session IB on "Financial and Social Exclusion and Livelihood Generation"
	12. "Contemporary Development Issues"	Organized by Department of Economics, Raiganj University, on 19 th March 2016.	Delivered a Special Lecture on "Role of Equal Opportunity in Educational Attainment: A Case Study of West Bengal"
	13. "Contemporary Development Issues"	Organized by Department of Economics, Raiganj University, on 19 th March 2016.	Chaired Technical Session on "Poverty, Inequality and Development"
	14. "Ecoregional & Human Development Perspectives in Regional Economics"	Organized by the Department of Economics, University of North Bengal, 29-30 March 2016.	"Migration and Trafficking from Sick and Closed Tea Gardens of Duars Region – A Diagnosis".
Sanchari Roy Mukherjee	UGC SAP DRS III National Seminar on ' <i>Ecoregional & Human Development Perspectives in Regional Economics</i> '	organized by Department of Economics, North Bengal University, 29-30 March 2016	Seminar Director and Presented paper on 'Wage Determination and Wage Discrimination in the Tea Plantations of North Bengal'.

Sanchari Roy Mukherjee	UGC Sponsored National Seminar on <i>Employment Guarantee and Rural Regeneration: An Appraisal</i>	held on 3-4 December, 2015 at Tufangunj Mahavidyalaya, Coochbehar, West Bengal.	Special Lecture delivered on invitation and Session Chairperson
Sanchari Roy Mukherjee	UGC Sponsored National Seminar on <i>Women's Empowerment: Issues and Challenges</i>	held on 3-4 December, 2015 at Tufangunj Mahavidyalaya, Coochbehar, West Bengal.	Keynote address and Session Chairperson
Sanchari Roy Mukherjee	UGC SAP DRS III National Seminar on ' <i>Ecoregional & Human Development Perspectives in Regional Economics</i> ',	organized by Department of Economics, North Bengal University, 29-30 March 2016	Seminar Director and Presented paper on 'Wage Determination and Wage Discrimination in the Tea Plantations of North Bengal'
Sudakshina Ray	UGC Sponsored National Seminar on <i>Contemporary Regional Development: Issues and Challenges</i>	Dept. of Economics, University of North Bengal, 21 st December, 2015	<i>Inequalities in Provisioning and Educational Achievement in India: Analysis of DISE Data for Elementary School Education in Darjeeling District</i> (Jointly with Nisha Rana)
Sudakshina Ray	UGC-SAP Seminar on <i>Eco-regional and Human Development Perspectives in Regional Economics</i>	Dept. of Economics, University of North Bengal, 29-30 March, 2016	<i>Microfinance in India: An Inter-regional and Intra-regional Overview</i>
Sudakshina Ray	UGC Sponsored National Seminar on <i>Employment Guarantee and Rural Regeneration: An Appraisal</i>	Tufangunj Mahavidyalaya, Coochbehar, West Bengal, 3-4 December, 2015	Session Chairperson
Govinda Choudhury	International Conference ' <i>Between the Plough & the Pick: Informal Mining in the Contemporary World</i> ',	Held at the Australian national University, Canberra, 4-6 November 2015.	Rural livelihood strategies, sand mining and stone quarrying in Eastern Himalaya of India,
Govinda Choudhury	International Conference on ' <i>Decent Work and Sustainable Development along Rural-Urban Gradients</i> ',	Held at the Tata Institute of Social Sciences, Guwahati, 19-20 February 2016.	Agrarian changes and growth of non-farm activities: A study of artisanal small scale mining in rivers of Sub-Himalayan West Bengal,

Govinda Choudhury	International Conference 'Mountain of our Future Earth',	Held at the Centre for Mountain Studies, University of Highlands and Islands, Perth, Scotland, 4-8 October 2015.	Forest enclosures, tenure rights and demographic changes in the Himalayan region of Eastern Gangetic Basin.
Govinda Choudhury	SAP-DRS (III) National Seminar 'Ecoregional & Human Development Perspectives in Regional Economics'	held at the Department of Economics, University of North Bengal, West Bengal. 29-30 March 2016	Valuing Ecosystem Services in the Lower Tista Watershed of West Bengal, India,
Kanchan Datta	First International Conference on Humanities and Social Sciences (ICHUSS-1)	Thrissur, Kerala, India on 28-29 th January 2016.	"Bamboo Handicraft Industry in Jalpaiguri- A case Study of Jalpaiguri Sadar Block"
Kanchan Datta	SAP-DRS(III) National Seminar on 'Eco-regional & Human Development Perspectives in Regional Economics'	Department of Economics, University of North Bengal, West Bengal, 29-30 March 2016	"Natural Fibre Mission and the Present Status of Bamboo Handicrafts in Jalpaiguri District"
Kanchan Datta	Econometric Modeling. Techniques and Research Applications.	Department of Economics, SMVD University, Katra, Jammu & Kashmir in Association with the Indian Econometric Society from 22 nd to 26 th August .2016	Participated in this workshop
Tamash Ranjan Majumdar	1) National Conference on Interrogating Development: Regional and Sub-Regional Trends in India in the Era of Globalisation	Conference Hall, St. Joseph's College, North Point, Darjeeling, 29th and 30th March, 2015	Efficiency Performance of Tea Smallholdings in North Bengal in the Post-Liberalization Period- A Study with DEA.
Tamash Ranjan Majumdar and Karan Tamang	2) Social Dimensions of Development in North Bengal and Sikkim'	Department of Sociology, North Bengal University 10-11 March, 2016	Globalisation and its Impact on West Bengal Tea Economy- A Study on Production Restructuring and Labour Casualisation
Tamash Ranjan Majumdar and Karan Tamang	3) National Seminar on Contemporary Development Issue	Dept. of Economics, Raiganj University, 19 th and 20th March, 2016	Restructuring of Tea Industry in West Bengal: It's Impact on Production and Employment
Tamash Ranjan Majumdar and Karan	4) UGC-SAP Seminar on Ecoregional & Human Development	Department of Economics University of North Bengal. 29-30 March 2016	Dichotomy in Tea Plantation Industry in West Bengal-The Emerging trends in the

Tamang	Perspectives in Regional Economics		Post globalisation Era
Karan Tamang	National Seminar	Sociology Department, 11/March/2016	Globalization and its Impact on West Bengal Tea Economy – A Study on Production Restructuring and Labour Casualization
Karan Tamang	National Seminar	Economics Department, Raiganj University, 20/March/2016	Restructuring of Tea Plantation Industry in West Bengal: Its impact on Production and Employment
Karan Tamang	National Seminar	Economics Department, NBU, 29-30/March/2016	The Dichotomy of Tea Plantation Industry in West Bengal- Emerging Trends in Post Globalization Era

10. Organized Seminar/ Conferences:

Name of the Seminar/ Conference	Date of the Seminar/ Conference
A Comparative Study of the Public Distribution System in Tamil Nadu & West Bengal	9 th February, 2016, Department of Economics, North Bengal University
National Seminar on “Contemporary Regional Development: Issues and Challenges”	21 st December, 2015, Department of Economics, North Bengal University
UGC SAP Seminar on “Ecoregional & Human Development Perspectives in Regional Economics”	29 th – 30 th March, 2016, Department of Economics, North Bengal University
22 nd University Level Workshop on “Research Methodology & Training, 2016” special session: Using SPSS in Social Science Research,	1 st March, 2016, Department of Economics, North Bengal University

11. Publications:

Name of the Author	Name of the Book/ Journal/ Volume	Year of Publication	Name of Publisher
Kanak Kanti Bagchi (ed.)	North Bengal Development Perspective [ISBN – 978-93-81757-12-3]	2015	University of North Bengal
Samapti saha and Kanak Kanti Bagchi	‘Role of the Women Panchayat Members in Village Development’, in <i>Communique</i> , Vol. 9, No. 1, March, pp.89-92. [ISSN 0973-8584].	2015	An Academic Journal of Durgapur Government College
Kanak Kanti Bagchi (ed.)	International Migration of Labour – Nature, Trends, Determinants and Consequences, [ISBN-978-93-5074-193-1]	2015	Abhijeet Publications, New Delhi-110002
Sanchari Roy Mukherjee	“Issues of Productivity, Employment and Exploitation in Artisanal Silk Industry of West Bengal”, (jointly with Chandan Roy),	2015	<i>Indian Journal of Social and Natural Sciences</i> , Vol.4:1-3,

			pp. 47-64, 2015 (ISSN 2277-6117)
Sanchari Roy Mukherjee	"Burden of Disease: A Study of Morbidity Profile of the Households of Siliguri Municipal Corporation Area (SMCA), West Bengal, India", (Jointly with S. Ghosh and A. Majumder),	2016	<i>International Journal of Social Science, Arts and Humanities</i> , Vol.4 (1), pp. 1-7, 2016 (ISSN 2321-4147)
Govinda Choudhury	'Land Tenure and Forest Conservation in the Dooars of the Eastern Himalaya', <i>Review of Agrarian Studies</i> , 5(1): 61-85	2015	
Kanchan Datta	"Bamboo handicraft industry in Jalpaiguri –A Case Study of Jalpaiguri Sadar Block" <i>International Journal of Socio-Legal Analysis and Rural Development</i> , ISSN: 2455 4049, website: www.ijdsard.org (April, 2016)	April, 2016	
Kanchan Datta	"Determinants of Trade Balance in India- An ARDL Cointegration Approach", Edited Volume titled " <i>Research Issues in Applied Economics</i> " edited by Dr. K.Majumdar and Dr. P.K. Jena, (2015),	2015	Mc Graw Hill Education, ISBN 978-93-392-2429-5
Tamash Ranjan Majumdar	Anweshan, Vol.3, No.1	2015	Dept. of Commerce, University of North Bengal

12. Research Projects (Major & Minor):

Minor Research Project			
Name of Teacher	Title of the Scheme Project	Sanctioning Authority	Sanctioned Amount
Coordinator Sanchari Roy Mukherjee Deputy Coordinator Sudakshina Ray (including All Faculty Member)	SAP DRS - III	UGC	Rs. 60 lakh
Prof. Kanak Kanti Bagchi	"An Enquiry into the Pattern and Causes of Out-Migration and Human Trafficking from the Duars Region of North Bengal"	University of North Bengal	Rs. 50,000.00
Kanchan Datta	"Bamboo Handicraft Industry in Jalpaiguri- A case Study of Jalpaiguri Sadar Block"	N.B.U	Rs.50,000.00

13. Visiting Fellow: N.A.

Department of English

1. Name of the Department: Department of English

2. Date of Establishment: 1962

3. Introduction of the Department:

The Department of English was one of the few departments with which the University of North Bengal started functioning fifty years ago in 1962. Since then the department of English has always been vibrant with teaching, research and extramural activities. The Department has at present only five teachers and two posts are likely to be filled up shortly. Most of the teachers serving now have International publications and visits to their credit. Some of them are engaged in collaborative work with Universities abroad. Always innovative but earnestly student-friendly, the staffs of the Department have always been trying to keep the matter of teaching and research on a par with the current international standards. A language lab, well-stocked seminar library, a computer lab, and the audio-visual aids supplement the élan of the teachers to break new grounds. And the desired results have always been satisfactory. The Department takes pride in regular output of brilliant students and researchers many of whom are well established academics home and abroad.

4. Name of the Faculty:

Professor	Associate Professor	Assistant Professor
S. Samanta	C. Laha	R. Ghosh
A. Sengupta	B.P. Ray	

5. Name of the Research Scholars:

- a. Pinaki Ranjan Das (State – SRF)
- b. Subashish Bhattacharjee (UGC – JRF)
- c. 13 others are private research scholars

6. Name of the Project Scholars: NIL

7. Name of the Non-Teaching Staff:

Name	Designation
Mahashankar Jha	Sr. Assistant Clerk
Partha Majumder	Peon (Casual)

8. Students Strength:

Students		Male	Female	Total
Part – I	Ist Sem (NBU+JAL)	26+10	56+32	36+88=124
	IIInd Sem			
Part – II	IIIrd Sem (NBU +JAL.)	21+8	52+19	29+71= 100
	IVth Sem			

9. Seminar / Conferences attended (Outside the Country & Within the Country):

Name of the Teacher	Name of the Seminars/ Conferences	Venue and Date	Title of the Paper presented
Dr.	i. English Studies:	K. G. P. T. M.,	Keynote Address

Chandanashis Laha	Literature and Society ii. Exploring Trauma: Interdisciplinary Perspectives	2015 University of Gour Banga, 2016	Trauma and the Dynamics of Memory: Some Literary Praxes
Professor Ashis Sengupta	i. Melus- Melow International Conference ii. Changing Directions of Postcolonial Indian Theatre iii. Theatre for Peace Seminar	Guru Govind Indraprasth University, 2016 University College, 2015 JNU, 2015	Playing Islam/ Reading South Asian Plays Keynote Address Panelist

10. Organised Seminar / Conferences:

Name of the Seminar /Conferences	Date of the Seminar/Conferences
NIL	NIL

11. Publication:

Name of the Author	Name of the Book / Journal / Volume	Year of Publication
Mr. Bishnupada Ray	i. "Through the Veil of Neurosis": A Review of Ishita Bhaduri's <i>Blue Horizon</i> in <i>Muse India</i>	2015
	ii. "A Tribute to Rabindranath": A Review of Ishita Bhaduri's <i>Rabindranath</i> , in the <i>Brown Critique</i>	2016
Dr. Chandanashis Laha	The Past (Im)perfect: Re-reading the English Past Perfective in Theory and Practice	2016
Dr. Ranjan Ghosh	i. 'Intra-active Transculturality' in <i>MLN</i> 30	2015
	ii. 'Caught in the Cross Traffic: Rabindranath Tagore and the Trials of Child Education' in <i>Comparative Education Review</i> . Vol. 59, No. 3.	2015
	iii. 'Rabindranath and Rabindranath Tagore: Home, History, World' in <i>History and Theory</i> . Vol. 54. Issue 4.	2015

12. Research Projects (Major and Minor): NIL

13. Visiting Fellow: NIL

14. Awards Received : NIL

Department of Hindi

1. Name of the Department : **Department of Hindi**

2. Date of Establishment: 2004

3. Introduction of the Deptt.:

The Department offers M.A. and Ph.D. programmes. The present intake of P.G. is 39.

4. Name of the Faculty:

Associate Professor : **Dr. Manisha Jha**

Asstt. Professor : **Dr. Sunil Kr. Dwivedi**

5. Name of the Research Scholar/s

a) University Research Fellow: Sri Santosh Kumar Gupta

b) UGC Research Fellow : Sri Saroj Lama

c) UGC Research Fellow : Sri Ravi Shanker Shukla

6. Name of the project Scholar/s: NIL

7. Name of Non-teaching staff:

a) Sri Surendra Kr. Mahato- Sr. Asstt.

b) Smt. Jasinta Oraon- Sr. Peon

8. Student strength:

Students	Semester	Male	Female	Total
Part-I	1 st Semester	05	29	34
	2 nd Semester	05	29	34
Part-II	3 rd Semester	07	17	24
	4 th semester	07	17	24

9. Seminar / Conferences attended:

Name of the teacher	Name of the Seminar/ Conferences	Venue & date	Title of the paper presented
Dr. Manisha Jha	1. Orientation Programme	UGC-HRDC, NBU 19.05.15	Concept of Friendship & Society
	2. Orientation Programme	UGC-HRDC, NBU 19.05.15	Religion & Indian Society
	3. Hindi Seminar	NHPC, Siliguri, 23.06 15	Rajbhasha Hindi
	4. Hindi Karyashala	NHPC, Kalijhora, 09.09.2015	Rajbhasha Hindi
	5. Hindi Karyashala	NHPC, Siliguri, 11.09.2015	Rajbhasha Hindi
	6. UGC- sponsored	Hindi Department,	Jaishankar Prasad Ka Srijan

	National Seminar	NBU, 07.12.2015	
	7. Special Lecture	PMS Mahavidyalay, Jalpaiguri, 08.12.2015	Samkaleen Hindi Kahani Mein Samaj
	8. Special Lecture	M. Agrasen Mahavidyalaya, Dalkhola, 15.03.2016	Pragatisheel Hindi Kavita
	9. National Seminar	W.B.S. University, Kolkata, 28.3.2016	Samkaleen Kavita, Chunautiyan Aur Sambhavnayen
	10. North Bengal University sponsored National Seminar	Hindi Deptt. NBU, 17.02.2016	Samkaleen Hindi Kahani Mein Samaj
Dr. Sunil Kr. Dwivedi	1. International Seminar (UGC & Hindustani Prachar Sabha, Mumbai)	Birla College of Arts, Science & Commerce, Kalyan, Maharashtra, 27-28 Nov. 2015	Hindi Ka Vaishwik Sandarbh
	2. UGC- sponsored National Seminar	Hindi Deptt. NBU, 7 th December, 2015	Jaishankar Prasad ka Srijan: Vartman Pariprekshya
	3. Special Lecture	Parimal Mitra Smriti Mahavidyalaya, Malbazar, 08.12.2015	Hindi Kahani Mein Samaj
	4. Special Lecture	Kalipada Ghosh Tarai Mahavidyalaya, Bagdogra , 22.12.2015	Premchand Aur Premchandottar Hindi Kahaniyan
	5. North Bengal University sponsored National Seminar	Hindi Deptt. NBU, 17.02.2016	Samkaleen Hindi Kahani Mein Samaj
	6. National Seminar by Hindi Deptt. Sikkim University, Sikkim & Kendriya Hindi Sansthan, Agra	Hindi Deptt. Sikkim University, Sikkim, 20-21 March, 2016	Samkaleen Katha Sahitya: Vividh Aayaam

10. Organized seminar/Conferences :

Name of the Seminar/Conference	Date of the Seminar/Conference	Remarks
Name of Teacher- Dr. Manisha Jha: A. Orientation Programmes (28 days each)-03	i) 22 nd Orientation Programme, 29.04.2015-26.05.2015 ii) 23 rd Orientation Programme, 30.07.2015-26.08.2015	

B. Workshop/Short Term Courses (7 days each)	iii) 25 th Orientation Programme, 25.02.2016 - 23.03.2016 i) Research Scholars' Training Programme-01, 02.09.2015- 08.09.2015 ii) Research Methods for Scholar- 01, 17.12.2015-23.012.2015	
C. Refresher Course (21 days)	R.C. on Teaching Methodology & Communication skill Development, 08.01.2016-28.01.2016	
Name of Teacher- Dr. Sunil Kumar Dwivedi:		
A. UGC sponsored National Seminar on the topic entitled- 'Jaishankar Prasad Ka Srijan: Vartman Pariprekshya'	07.12.2015	
B. NBU sponsored National Seminar on the topic entitled 'Samkaleen Hindi Kahani mein Samaj'	17.02.2016	

11. Publications:

Name of the Author	Name of the Book/ Journal/ Volume	Year of Publication
Dr. Manisha Jha	1. Muktanchal, Kolkata 2. Kaimur Times, Sonbhadra (ISSN-2454-6453) 3. Samvad-10, Hindi Deptt. NBU (ISSN-2231-0525)	December, 2015 November, 2015 Feb,2016
Dr. Sunil Kr. Dwivedi	1. Madai, Issue- 29, Bilaspur (ISSN-2278-8352) 2. Hindi Kahani Samvedana Ke Dharatal Par (ISBN-978- 81-88904-55-6) 3. Visva-Bharati Patrika, Issue-4, Santiniketan (ISSN- 2348-4977) 4. Uttar Adhunikta Aur Adivasi Vimarsh (Naye Vishwason, Nayi Aasthaon Ki Or Kadam) (ISBN-978-93- 85833-08-3) 5. Jankriti (International E-Magazine), Issue-11 (ISSN-2454-2725) 6. Samvad-10, Hindi Dept. NBU (ISSN-2231-0525)	2015 2015 2016 2016 2016 2106

12. Research Projects (Major & Minor):

Major Research Project: NIL

Minor Research Project		
Title of the Scheme Project	Sanctioned Authority	Duration
Samkaleen Hindi Upanyas Mein Pariwar Aur Stree Jeevan by Dr. Manisha Jha	N.B.U.	01.04.2015-31.03.2016

13. Visiting Fellow: NIL

Name of the Visiting Fellow	Duration

14. Any other information: Award Received- NIL

Department of History

1. Name of the Department : **History**
2. Date of Establishment : 1965
3. Introduction of the Department : 23.02.1965
4. Name of the Faculty :

Professor	Reader	Sr. Lecturer/ Lecturer
Prof. Ichhimuddin Sarkar Prof. Anita Bagchi Prof. Bijoy Kr. Sarkar		Kaushik Bandyopadhyay(Absent) Dr. Dahlia Bhattacharya Dr. Sankar Kr. Das Dr. Sudash Lama Sri Varun Kr. Roy

5. Name of the Research Scholars :
6. Name of the Project Scholars :
7. Name of The Non-Teaching Staff :

Name	Designation
Sharmistha Das	Jr. Asstt-cum-Typist
Gopal Das	Sr. Peon

8. Students Strength :

Students		Male	Female	Total
Part I	1 st Sem.	50	43	93
	2 nd Sem.	49	41	90
Part II	3 rd Sem.	43	38	81
	4 th Sem.	42	36	78

9. Seminar/ Conferences attended (Outside the Country & Within the Country):

Name of the Teacher	Name of the Seminars/ Conference	Venue & Date	Title of the paper presented

10. Organized Seminar / Conferences :

Name of the Seminar/Conference	Date of the Seminar / Conference	

11. Publication :

Name of the Author	Name of the Book/Journal/Volume	Year of Publication
Sudash Lama	Karatoya Omnibus of North Bengal 2015	2015

12. Research Projects (Major & Minor):

Major Research Project		
Title of the Scheme Project	Sanctioned Authority	
Minor Research Project		

Title of the Scheme Project	Sanctioned Authority	

13. Visiting Fellow:

Name of the Visiting Fellow	Duration	

Dr. Bijoy Kumar Sarkar

Professor

Name of the Research Scholars : Biswajit Das, Nabiul Islam, Chanchal Adhikary, Pranay Rajak
Dipak Sarkar, Debojit Dutta, Gouri Dey, Tahiti Sarkar

Name of the Project Scholar : Nil

Seminar/ Conferences attended (Outside the country & within the country):

Name of the Teacher	Name of the Seminars/ Conference	Venue & Date	Title of the paper presented
Prof. Bijoy Kr. Sarkar Professor	Bi-Decennial Conference and International Seminar, Association of Third World Studies South Asia Chapter	Cooch Behar Panchanan Barma University, Cooch Behar. 27 th -29 th Noverber 2015. mm	“Narasimha Temples in Cooch Behar: Religious Pluralism against Aggressive Imperialism.”
	36 th Annual conference of North East India History Association (NEIHA)	Department of History and Ethnography, Mizoram University. 18 th -20 th November 2015	“ Neo-Vaishnavism in Kamata-Koch Dynasty: Uniqueness of Biranarayan”
	UGC –sponsored National Seminar on Historical Geography of Ancient to Medieval Eastern India.	Abhedananda Mahavidyalaya (Sainthia, Birbhum) September 23-24, 2015	“Decline of capitals and urban centre in early and Medieval Eastern India.
	International seminar on Recent Trends on Histro-Geograpic Approaches of South-Asian Environment.	Saldiha College (Bankura) September 24-25, 2015	“ Historical Geography of Bankura in the early medieval period”
	International Conference of Itihas Academy Dhaka	Dhaka August 28, 2015	“Panchpuriya of the Chain Community in West Bengal: An Anthro-Historical Prespective”
	IUAES (International Union of Anthropological and Ethnological Sciences) 2015 Inter-Congress	Thammasat University Bangkok (Thailand) 15-17 July, 2015	“ Oral Literature of the Chain Community in West Bengal : An Anthropological Study of the Marriage Songs”
	International Conference on Modern Trends in	Aliputduar College, Alipurduar	“ Recent Trends in India Historiographical Thought

	Social and Basis sciences (MTSBS-2015)	March 27-28, 2015	and Writing and History of North Bengal”
--	---	-------------------	---

14. Organized Seminar / Conferences :

Name of the Seminar/ Conference	Date of the Seminar / Conference
UGC sponsored National Seminar “Movements in North Bengal throughout the ages : Political and Socio-Cultural Perspective”	18 th Feb 2016

15. Publication :

Name of the Author	Name of the Book/Journal/Volume	Year of Publication
	KAROTOYA	2015

16. Research Projects (Major & Minor):

Major Research Project		
Title of the Scheme Project	Sanctioned Authority	
	NIL	
Minor Research Project		
Title of the Scheme Project	Sanctioned Authority	
	NBU	

17. Visiting Fellow:

Name of the Visiting Fellow	Duration	
Ruby Malini	7 days	

Dr. Dhalia Bhattacharya

Assistant Professor

Name of the Research Scholars : John Biswas, Manoranjan Sarkar, Chanchal Mandal,
Tushar Kanti Barman, Mampi Barman

Name of the Teacher	Name of the Seminars/ Conference	Venue & Date	Title of the paper presented
	UGC National Seminar on Centre of Women’s Studies	University of North Bengal 29 th and 30 th March 2016	“Women in Indian Armed Forces: Challenges, Triumphs and Male Response”
	UGC National seminar on Protest Movements in North Bengal through ages: Social, Political and Economic Perspective.	Department of History, N.B.U. 17 th March 2016	“The Shift in the social paradigm: The Rabhas of North Bengal “
	UGC National Seminar on Women in 21 st Century: Livelihood, Environment and Sustainability	Centre of Women’s Studies, University of North Bengal 27 th & 28 th March 2015	“Women in Protest: The anti-liquor movement in Andhra Pradesh
	UGC National Seminar on Women, Patriarchy and	Department of History March 13-14, 2015	“ Women in Indo- Bangladesh Border: Some

Dr. Dhalia Bhattacharya	Gender: Deconstruction and Reconstruction of History (India and Beyond)		Narratives and Experiences”
--------------------------------	---	--	-----------------------------

1. Organized Seminar / Conferences :

Name of the Seminar/Conference	Date of the Seminar / Conference	

2. Publication :

Name of the Author	Name of the Book/Journal/Volume	Year of Publication
Dr. Dhalia Bhattacharya, Editor	Karatoya, Journal of History, Volume-8	March 2015
Dr. Dhalia Bhattacharya, Associate Editor of Book	Omnibus of North Bengal, History of the Culture and Society of the Hills and Plains, Volume –I & II, 2013	2015
	Tracing The Roots : Reflections of Indian Diaspora during the Nineteenth and Twentieth Centuries, in Indian Historical Studies, Vol- XI, No-2	April 2015
	Zenana Missions and Christian Missionaries: Some Reflections of the ‘White woman’s Burden and Imperialism in the Nineteenth century Bengal, Exploring History, Vol-VII.	January-June 2015
	Towards Emancipation: Reflection of Writings of some Muslim women in the 20 th Century in Karatoya, North Bengal University Journal of History, Volume-7	March 2015
	The Exodus of the Bengali evacuees from Burma to Bengal : A tale of return, relocation and resettlement in Bengal (1948-64) accepted in Journal of the Asiatic Society 2016	2016

3. Research Projects (Major & Minor):

Major Research Project		
Title of the Scheme Project	Sanctioned Authority	
Minor Research Project		
Title of the Scheme Project	Sanctioned Authority	

4. Visiting Fellow:

Name of the Visiting Fellow	Duration	

Dr. Sudash Lama
Assistant Professor

Name of the Research Scholars : Badol Roy, Gyamit Lepcha

Name of the Teacher	Name of the Seminars/ Conference	Venue & Date	Title of the paper presented

1. Organized Seminar / Conferences :

Name of the Seminar/Conference	Date of the Seminar / Conference	

2. Publication :

Name of the Author	Name of the Book/Journal/Volume	Year of Publication
Sudash Lama	Karatoya Omnibus of North Bengal 2015	2015

3. Research Projects (Major & Minor):

Major Research Project		
Title of the Scheme Project	Sanctioned Authority	
Minor Research Project		
Title of the Scheme Project	Sanctioned Authority	

4. Visiting Fellow:

Name of the Visiting Fellow	Duration	

Department of Law

1. Name of the Department : Law
2. Date of Establishment : 1974
3. Introduction of the Department : 2000
4. Name of the Faculty :

Professor

Sr. Lecturer/Lecturer/Asst. Professsor (Contractual)

Sl. No.	Professor	Sl. No.	Sr. Lecturer/Lecturer/Assistant Professor
1	Prof. Gangotri Chakraborty [Professor]	1	Dr. R. D. Dubey [Assistant Professor Full Time Contractual]
2	Dr. Rathin Bandyopadhyay [Professor]	2	Ms. Sangeeta Mandal [Assistant Professor Full Time Contractual]
3	Dr. Sujit Kumar Biswas [Assistant Professor]	3	Dr. Om Prakash Sharma [Assistant Professor Full Time Contractual]
4	Dr. Narender Nagarwal [Assistant Professor]	4	Ms. Sanyukta Moitra [Assistant Professor Full Time Contractual]
		5	Ms. Soma Dey Sarkar [Assistant Professor Full Time Contractual]
		6	Mr. Tanwir Arshed [Assistant Professor Full Time Contractual]
		7	Mr. Md. Maazul Haque [Assistant Professor Full Time Contractual]
		8	Mr. Sanjay Dutta [Assistant Professor Part Time Contractual]
		9	Ms. Taniya Basu Mazumdar [Assistant Professor Part Time Contractual]
		10	Ms. Debarati Chanda [Assistant Professor Part Time Contractual]

5. Name of the Research Scholars :

Sl. No.	Name of Research Scholars	Status
1	Sarita Sharma	Registered
2	Rupali Singha Roy	Registered
3	Pramita Gurung	Registered
4	Denkila Bhutia	Registered
5	Veerendar Mohan	Registered

6. Name of the Project Scholars : Not yet, but likely to be appointed soon (one)

7. Name of Non Teaching staff :

Name	Designation
1. Mr. Arunava Choudhury	Jr. Superintendent
2. Mr. Samir Kr. Roy	Technical Assistant

3. Mr. Santanu Chanda	Assistant Librarian
4. Mr. Bachchu Ch. Dey	Sr. Peon
5. Mr. Babla Nag	Jr. Assistant-Cum-Typist
6. Mr. Amal Kr. Dhar	Daily Wage Worker (Grade-III)
7. Mr. Bhaskar Pal	Daily Wage Worker (Grade-III)
8. Mr. Anjan Choudhury	Jr. Peon
9. Mr. Bechan Mallick	Daily wage Sweeper (Grade-IV)

8. Student Strength- 2015-16

Students		Male	Female	Total
Part-I	1 st Sem.	15	14	29
	2 nd Sem.	13	11	24
Part-II	3 rd Sem.	07	08	15
	4 th Sem	05	07	12

9. Seminar/Conference attended (Outside the country & Within the Country):

Name of the Teacher	Name of the Seminars/Conference	Venue and Date	Title of the Paper Presented
Prof. Rathin Bandyopadhyay	UGC sponsored National Seminar on "Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism"	Department of Law, North Bengal University, Darjeeling 2 Day (19-20 December, 2015)	_____
Prof. Rathin Bandyopadhyay	2 Day (04- 05 April, 2015) UGC sponsored National Seminar on RTI Act 2005 – A Perfect Guideline and Regulation to Administrative Discretion Promoting Participatory Democracy	Patna Law College, Patna University, Bihar in collaboration with Faculty of Law, College of Commerce, Magadh University, Patna, Bihar April, 2015	Chaired a technical session entitled : The Official Secret Act and RTI (Technical Session III)
Prof. Gangotri Chakraborty	UGC sponsored National Seminar on "Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism"	Department of Law, North Bengal University, Darjeeling 2 Day (19-20 December, 2015)	Shrinking contours of Constitutionalism in Globalized Era
Prof. Gangotri Chakraborty	MHRE sponsored national seminar on Right to Information.	27-28th September, 2015	Right to Information: Limitations of Implementation
Dr. Sujit Kumar Biswas	UGC sponsored National Seminar on "Changing Dimensions of Concept of Legal Systems and Rule of Law: Emerging Trends in Constitutionalism"	Department of Law, North Bengal University, Darjeeling 19th-20th, December 2015.	In search of the Custodian of the Rule of Law.
Dr. Sujit Kumar Biswas	Saksham-IT Champion Training Program held at	Internal Quality Assurance Cell (IQAC),	_____

	the University of North Bengal	University of North Bengal and Microsoft Corporation, from 16th to 22nd December 2015.	
Dr. Narender Nagarwal	UGC sponsored National Seminar on "Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism"	Department of Law, North Bengal University, Darjeeling 2 Day (19-20 December, 2015)	Constitution of India and its Major Threats-A Comprehensive Analysis of Sectarian Violence, Crisis of Secularism and Denial of Justice
Dr. R. D. Dubey	UGC sponsored National Seminar on "Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism"	Department of Law, North Bengal University, Darjeeling 2 Day (19-20 December, 2015)	Constitutional System in India and Rule of Law: and analysis with special reference to Judicial pronouncement.
Dr. R. D. Dubey	UGC sponsored national seminar on Women, Environment and Science.	29-30th March, 2016, organized by Centre for Women's Studies, University of North Bengal.	Role of Women in the protection of Environment: A study
Dr. R. D. Dubey	UGC sponsored national seminar on Anthropology and Society.	22-23rd December, 2015, organized by Department of Anthropology, University of North Bengal	Constitutional Providence for protection of Weaker section of Society and Judicial Pronouncement.
Dr. R. D. Dubey	UGC sponsored National Seminar on Relevance of Dr. B. R. Ambedkar's vision: Present Scenario.	15th February, 2016, organized by B.M.T. Law College, Purnia, Bihar.	Ambedkar and Women Rights, Social Justice and Empowerment: An Analysis
Dr. R. D. Dubey	UGC sponsored national seminar on RTI Act 2005.	04-05th April, 2015, organized by Patna Law College, Patna University, Patna, Bihar	RTI: As a tool of personal Vendetta AN In Sight.
Ms. Sangeeta Mandal	UGC sponsored National Seminar on "Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism"	Department of Law, North Bengal University, Darjeeling 2 Day (19-20 December, 2015)	Establishment of Rule of Law Through Judicial Law Making.
Ms. Sangeeta Mandal	UGC sponsored national seminar on Anthropology and Society.	22-23rd December, 2015, organized by Department of Anthropology, University of North Bengal	Role of Law in Changing Society
Ms. Sanyukta	UGC sponsored National	Department of Law,	Freedom of Speech and

Moitra	Seminar on "Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism"	North Bengal University, Darjeeling 2 Day (19-20 December, 2015)	expression and rule of law: A constitutional quandary.
Ms. Sanyukta Moitra	UGC sponsored national seminar on Women, Environment and Science.	29-30th March, 2016, organized by Centre for Women's Studies. University of North Bengal.	Role of Women in the protection of Environment; A study
Ms. Sanyukta Moitra	UGC sponsored national seminar on Anthropology and Society.	22-23rd December, 2015, organized by Department of Anthropology, University of North Bengal	Constitutional Providence for protection of Weaker section of Society and Judicial Pronouncement.
Dr. Om Prakash Sharma	UGC sponsored National Seminar on "Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism"	Department of Law, North Bengal University, Darjeeling 2 Day (19-20 December, 2015)	
Ms. Soma Dey Sarkar	UGC sponsored National Seminar on "Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism"	Department of Law, North Bengal University, Darjeeling 2 Day (19-20 December, 2015)	Right to be considered for promotion and good governance: A Constitutional Perspective.
Ms. Soma Dey Sarkar	UGC sponsored national seminar on Anthropology and Society.	22-23rd December, 2015, organized by Department of Anthropology, University of North Bengal	Role of Law in Changing Society
Mr. Tanwir Arshed	UGC sponsored National Seminar on "Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism"	Department of Law, North Bengal University, Darjeeling 2 Day (19-20 December, 2015)	Pakistan occupied Kashmir: Emerging Trends in Constitutional issues and Development.
Mr. Tanwir Arshed	17th Annual National Conference of West Bengal Political Science Association.	5-6th March, 2016. organized by WBPSA	Challenges to the Regional Peace and Policy making: The Kashmir Dispute.
Md. Maazul Haque	UGC sponsored National Seminar on "Changing dimensions of concept of legal systems and rule of law: Emerging trends in	Department of Law, North Bengal University, Darjeeling 2 Day (19-20 December, 2015)	Feasibility of SEZ in the Backdrop of Asian Highway 02 & Asian Highway 48 in and around Siliguri: A

	constitutionalism”		Study`.
Md. Maazul Haque	UGC Sponsored National Seminar on Anthropology and Society	Department of Anthropology, University of North Bengal, Darjeeling, West Bengal	‘Globalization and the Muslim Community’
Mr. Sanjay Dutta	UGC sponsored National Seminar on “Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism”	Department of Law, North Bengal University, Darjeeling 2 Day (19-20 December, 2015)	_____
Ms. Taniya Basu Mazumdar	UGC sponsored National Seminar on “Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism”	Department of Law, North Bengal University, Darjeeling 2 Day (19-20 December, 2015)	Women and Land Rights: A Study in A Village of North Bengal.
Ms. Debarati Chanda	UGC sponsored National Seminar on “Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism”	Department of Law, North Bengal University, Darjeeling 2 Day (19-20 December, 2015)	_____

10. Organised Seminar/Conferences:

Name of the Teacher	Name of the Seminars/Conference	Date of Seminar Conference
Dr. Rathin Bandyopadhyay	UGC sponsored National Seminar on “Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism”.	2 Days (19-20 December, 2015)
Prof. Gangotri Chakraborty	UGC sponsored National Seminar on “Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism”.	2 Days (19-20 December, 2015)
Dr. Sujit Kumar Biswas	UGC sponsored National Seminar on “Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism”.	2 Days (19-20 December, 2015)
Mr. Narendar Nagarwal	UGC sponsored National Seminar on “Changing dimensions of concept of legal systems and rule of law: Emerging trends in constitutionalism”.	2 Days (19-20 December, 2015)

11. Publication:

Name of the Author	Name of the Book/Journal/Volume	Year of Publication
Dr. Sujit Kumar Biswas	“Rights of the Accused and Convicts: Role of a Pro-active Judiciary in India in the book titled “Human Rights and Duties” (ISBN No. 978-81-921285-3-5) published by The Registrar, University of North Bengal	2015-16
Dr. Sujit Kumar	“Judiciary as a Protagonist in Reforming the Administration, Admission and Fee Structure of Minority Educational Institutions in	2015-16

Biswas	India” in the Indian Journal of Law and Justice (IJLJ) (ISSN: 0976-3570) Volume 6 No.2 (Sept 2015) published by the Department of Law, University of North Bengal.	
Dr. Sujit Kumar Biswas	Electoral Reforms and the Role of The Judiciary in India” in the India International Journal of Juridical Sciences (IIJS) (ISSN: 2278-3237) Volume 5 Issue 1 (March 2016) published by Paragon International Publishers, 5, Ansari Road, Daryaganj, New Delhi-110002	2015-16
Dr. Narender Nagarwal	Prevention of Corporate Corruption in India, Judicial Response and Rule of Law-A Critical Analysis, Chapter in edited book published from Department of Law, NBU. CHAPTER IN BOOK	2015-16
Dr. Narender Nagarwal	Media and Minorities: Understanding the Ethical Issues of Freedom of Press in the Context of Rule of Law Indian Journal of Law and Justice ISSN NO: 0976-3570 ARTICLE IN JOURNAL	2015-16
Dr. Narender Nagarwal	Social Media Revolution and Cyber Crime in India-The Law, Policy and Practice in Cyber Security and the Law: A Panoramic View, Chapter in Book, published from NEHU, Shillong	2015-16
Dr. R.D. Dubey	Limited Government Judicial Review and Judicial Activism in Edited book Corporate Public Law , Published by EBH Publisher, First Edition, 2016, CHAPTER IN BOOK , ISBN: 978-93-83252-76-3	2015-16
Dr. R. D. Dubey	Human Rights and Criminal Justice System: A Study, Published in Edited Book “Justice Shafiqul Haque” Reflection & Judicial Thoughts by Empyreal Publication, ISBN: 978-81-930928-1-1, CHAPTER IN BOOK	2015-16
Ms. Sanyukta Moitra	Protection of Refugees in India : Mechanisms and Strategies of India with its Neighbors and Challenges Ahead, Indian Journal of Law and Justice, Volume – 6, ISSN NO: 0976-3570 ARTICLE IN JOURNAL	2015-16
Ms. Sangeeta Mandal	Article in Indian Journal of Law and Justice, Volume – 6, No. – 2, September, 2015.	2015-16
Ms. Sangeeta Mandal	Article in Indian Journal of Law and Justice, Volume – 7, No. – 1, March, 2016.	2015-16
Mr. Tanwir Arshed	1. “The Thunder Dragon Kingdom and India –An Asymmetric Relation of Strategic Importance and Mutual Development” in Journal of Life Long Education and Development ; ISSN No: 2231-4121 2. “Revisiting the Foundations of Non-Alignment Movement in the Post Nehruvian Era: Compulsions and Realities” in the Edited Book Post Nehruvian Politics in India: Agitations, Assimilations, Assertions and Consequences ; compiled by Dr Manas Chakraborty; Levant Books; 2015; ISBN: 978-93-84106-24-9 3. Sino Indian Border Dispute: An Analysis of the Territorial Dispute in the Himalayas ; in Indian Journal of Law and Justice , March, 2016, Vol. 06, No. 01; ISSN No: 0976-3570	2015-16

	4. Empowering Women Through SHG & Microfinance: An Inclusive Approach in the edited book Women Empowerment in India Opportunities and Challenges ; Compiled by Dr. Gopal Sharma; Rupali Publications; 2015; ISBN: 978-93-81669-88-4	
Mr. Maazul Haque	'Exchange Of Indo-Bangladesh Enclaves - Holistic Step Forward' India International Journal of Juridical Science, ISSN No. 2278-3237, Vol. 5, No-1, 2016.	2015-16
Ms. Taniya Basu Majumder	Women and Land Rights: A Study in A Village of North Bengal, Indian Journal of Law and Justice, Volume – 7, No. – 1, March, 2016.	2015-16
Ms. Debarati Chanda	IJELLII, Volume – 3. Issue - 6	2015-16
Ms. Debarati Chanda	IJELLII, Volume – 3. Issue - 8	2015-16

12. Research Projects (Major & Minor):

RESEARCH PROJECTS – MAJOR		
Name of the Teacher	Title of the Scheme Project	Sanctioned Authority
Dr. Ratnin Bandyopadhyay (Principal Investigator)	An Assessment Study of Food (IN) Security in Eastern and North Eastern India in the Light of Laws Relating to Food, Food Standard, Food Security and PDS	UGC Innovative Research Programme
Prof. Gangotri Chakraborty (Principal Investigator)	An Assessment Study of Food (IN) Security in Eastern and North Eastern India in the Light of Laws Relating to Food, Food Standard, Food Security and PDS	UGC Innovative Research Programme
Dr. Suujit Kumar Biswas (Co-Investigator)	An Assessment Study of Food (IN) Security in Eastern and North Eastern India in the Light of Laws Relating to Food, Food Standard, Food Security and PDS	UGC Innovative Research Programme
RESEARCH PROJECTS – MINOR		
Name of the Teacher	Title of the Scheme Project	Sanctioned Authority
Dr. Sujit Kumar Biswas (Project Investigator)	“Ensuring Right to Food through PDS: A Socio-Legal Study of the State of West Bengal.”	University of North Bengal

13. Visiting Fellow: N/A

Name of the Visiting Fellow	Duration	

14. Any other Information: N/A

Department of Library & Information Science

1. Name of the Department : Library and Information Science
2. Date of Establishment : 1990-91
3. Introduction of the department : The Department of Library and Information Science was established in the year 1990-91. As a fully fledged department, it started with one year (two semesters) Bachelor of Library and Information Science (BLIS) with an intake of 56 students. In the year 2005 the department introduced the two years (four semesters) Master of Library and information Science (MLIS) with an intake of 40 students. The department is now having services of two full time faculties, four guest faculties and two non teaching staffs. The new annex building is accommodating both BLIS and MLIS courses and also have the provision for expansion of academic activities like M.Phil and Research programmes. Being the only department rendering such professional courses, the department is executing as an information hub in the entire North Bengal.

4. Name of the Faculty :

<u>Professor</u>	<u>Associate professor</u>	<u>Assistant professor</u>
		Dr. Saptarshi Ghosh
		Sri Tapan Barui

5. Name of the Research Scholars : NIL

6. Name of the Project Scholars : NIL

7. Name of the Non-teaching Staff : 2
- | | |
|---------------------|--------------------|
| <u>Name</u> | <u>Designation</u> |
| 1. Deep Kumar Dutta | Gr. III (Casual) |
| 2. Sankar Saha | Gr. IV (Casual) |

8. Student Strength

<u>Students</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
BLIS 1 st Sem.	16	40	56.
2 nd Sem.	15	34	49.
MLIS 3 rd Sem.	15	20	35.
4 th Sem.	15	20	35.

9. Seminar / Conference attended (Outside the Country & Within the Country)

Name of the Teacher	Name of the Seminar/Conference	Venue & Date	Title of the paper presented

10. Organized Seminar/Conferences:

Name of the Seminar/Conference	Date of the Seminar/Conference

11. Publication:

Name of the Author	Name of the Book/Journal/Volume	Year of Publication
Department of Library and Information Science	Advances in Library and Information Science	2015

12. Research Projects (Major & Minor)

Major Research Project		
Title of the Scheme Project	Sanctioned Authority	
NIL	NIL	NIL
Minor Research Project		
Title of the Scheme Project	Sanctioned Authority	
NIL	NIL	NIL

13. Visiting Fellow:

Name of the Visiting Fellow	Duration	
NIL	NIL	NIL

14. Any other information: - Awards Received: - NIL.

Department of Lifelong Learning & Extension

1. **Name of the Department:** Department of Lifelong Learning & Extension

2. **Date of Establishment:** 3rd August, 1987

3. **Introduction of the department:** The Centre for Adult Continuing & Extension, University of North Bengal commenced functioning from August, 1987 with financial assistance received from the University Grants Commission. The Centre was upgraded into an academic department in April 2005 under the UGC Tenth Plan Guidelines and the name was eventually modified as Department of Adult, Continuing Extension Education & Field Outreach (DACEEFO). As per the Eleventh Plan Guidelines of UGC and the decision of the North Bengal University Executive Council, the Department has become a full-fledged Department with full academic status under the University of North Bengal. The nomenclature has been changed as the Department of Lifelong Learning & Extension (DLLE) in October, 2009. From its inception, the thrust of the Department has been the expansion of the third dimension of higher education in Northern part of West Bengal by meeting regional need of Adult Education, Continuing Education, Population Education, Health Education, Environmental Education and Rural Development Education as well as by taking up several successive educational extension and outreach activities that extend far beyond the traditional academic programmes delivered through the University system. The general objective of DLLE is to contribute through the lifelong learning to the development of the community as an advanced knowledge society with sustainable economic development and to facilitate in bringing the changes in the lives of the common people by providing professional, vocational, skill based courses, workshops, trainings, seminars, sensitization cum awareness programme.

4. **Name of the Faculty:**

Professor	Associate Professor	Assistant Professor
M.Yasin (Head)	Monotosh Bose	Dr. Ratna Sarkar (Contractual)
	Mahbub Ul Alam	Ms. Manasree Dasgupta (Part-time)

5. **Name of the Research Scholars:**

- a. Monalisa Das
- b. Arijit Talukdar
- c. Malini Dutta
- d. Dipika Dewan
- e. Samcer Das
- f. Seema Gupta

6. **Name of the Project Scholars:** None

7. **Name of the Non-Teaching Staff:**

Name	Designation
Basudeb Sutradhar	Peon (Group-D)
Ajoy Singha	Peon (Group-D)

8. **Students Strength:**

Students		Male	Female	Total
Part -I	1 st Semester	05	11	16
	2 nd Semester	03	09	12
Part -II	3 rd Semester	07	18	25
	4 th Semester	07	18	25

9. Seminar/Conference attended (Outside the Country & Within the Country):

Name of the Teacher	Name of the Seminars/Conference	Venue & Date	Title of the Paper presented
Mahbub Ul Alam	Social Dimensions of Development in North Bengal and Sikkim	Department of Sociology, University of North Bengal, March 10 & 11, 2016.	Educational Problems of the Minorities with Special Reference to Muslims in Uttar Dinajpur District of West Bengal

10. Organised Seminar/Conferences/Workshop/Training:

Name of the Workshop/Training	Date of the Workshop/Training
West Bengal State Level Consultation on "Issues in nutrition security affecting Dalits and Adivasis"	19 th November, 2015
Three-day Training of the Trainers (TOT) Programme On Panchayat and Rural Development	21 st December, 2015 to 23 rd December, 2015

11. Publication:

Name of the Author	Name of the Book / Journal / Volume	Year of Publication
Mahbub Ul Alam	1. SAMBARTIKA	2015
	2. SAMBARTIKA	2016
	3. Shikad/ Loksanskriti Bishoyak Prabandha Sankalan, with Nanadadulal Debnath. Siliguri: N L Publishers	2016
Dr. Ratna Sarkar	1. International Journal of Marketing, Financial services & Management Research. Vol.4. Oct-Dec.	2015
	2. Asian Journal of Research in Social Sciences and Humanities	2016
	3. Journal of Bhutan Studies; Vol. 32.	2016
	4. Journal of Bhutan Studies; Vol. 32.	2016
	5. Journal of Global Research in Education and Social Science. International Knowledge Press. 7(2):94-99.	2016
	6. IOSR Journal Of Humanities And Social Science (IOSR-JHSS) Volume 21, Issue 11. Ver. 4 (Nov. 2016)	2016

12. Research Projects (Major & Minor): Nil

13. Visiting Fellow:

Name of the Visiting Fellow	Duration
Dr. Biswanath Chakraborty, Professor and Head, Department of Political Science, Rabindra Bharati University Kolkata	June, 2015 (4 days); December, 2015 (3 days)

14. Any other information: Awards Received: None.

Department of Management

1) Name of the Department : Department of Management

2) Date of Establishment : April, 2003

3) Introduction of the Department :

The University is conducting a full time Master of Business Administration (MBA) Programme (approved by AICTE and recognized by UGC) under Department of Management in order to provide quality management education and other services of global standard in a high quality ambience. The Institution aspires to achieve excellence in every sphere of its activity including curricular works, research, professional outlook, consultancy, student support, & outreach programme. The Department of Management, University of North Bengal has been rated as an **A+ category B-School in the National B-School survey conducted by Business India, and other National B-School surveys like Businessworld, Business Today, and Competition Success Review**. The department has also been rated as a B1 category B-School based on the AIMA-IMRB National B-School survey 2010. Last year the students bagged 9th Position in the “Earthian Annual Awards 2012” conducted by WIPRO. The students of the department have recently entered the semi finals in Asia’s B-Plan competition organized by IIT Bombay.

The Department of Management, University of North Bengal is an official member of the Association of Indian Management Schools (AIMS), where the contemporary members are the highly reputed B-Schools in India like IIMs, Jamnalal Bajaj Institute of Management Studies, FMS, IISWBM, Calcutta etc. This has enabled the Department of Management to gain its foothold in the sphere of the nationally acclaimed B-Schools of our country.

4) Name of the faculty :

Professor	Associate Professor	Sr. Lecturer/Lecturer
Prof.(Dr). Rathin Bandyopadhyay (Head)		Ms. Nandita Pradhan Dr. Subrata Ray Mr. Dipanjan Moitra Mrs. Piyali Chandra Khan

5) Name of the Research Scholars : None

6) Name of the Project Scholars : None

7) Name of the Non-Teaching Staff :

Name	Designation
Mr. Somnath Ghosh	Office Assistant (Contractual)
Mr. Deepak Kumar Chhetri	Group-D (Casual)
Mr. Somnath De	Group-D (Casual)
Mrs. Draupadi Mallik	Group-D (Casual)

8) Students Strength

	Semester	Male	Female	Total
Part -I	1 st Sem	19	27	46
	2 nd Sem			
Part-II	3 rd Sem	14	13	27
	4 th Sem			

9. Seminar/Conferences attended (Outside the Country & within the Country):

Name of the Teacher	Name of the Seminars/Conference	Venue & Date	Title of the paper presented
Mr. Dipanjan Moitra	NCCT '15	Department of Computer Science & Applications, University of North Bengal, 2015	Performance Evaluation of BioPerl, Biojava, BioPython, BioRuby and BioSmalltalk for Executing Bioinformatics Tasks
	ICCS '16 (International)	Department of Computer Science, University of Burdwan, 2016	A Study on Bio* Tools for Bioinformatics Tasks
Ms. Piyali Chandra Khan	6th National Business Research Conference on "Latest Trends in Management, Economics & Social Sciences", LTMES – 2015	Department of Business Administration, Siliguri Institute of Technology, A Unit of Techno India Group held on 21st November, 2015	The Impact of Information Technology on Commerce & Management: Evidence from Indian Life Insurance Industry
	68 th All India Commerce Conference	V noba Bhabhe University, Hazaribag held on 6 th – 8 th November, 2015	A Study on Influence of Behavioral Finance on Investors Preference towards Unit Linked Life Insurance Policies in India

10. Organised Seminar/Conferences:

Name of the Seminar/Conference	Date of the Seminar/Conference
Career Meet: : A Management Student Industry Interface	2016
Awhaan 2016: Round Table Conference on Industry-Institute Convergence	2016

11. Publication:

Name of the Author	Name of the Book / Journal / Volume	Year of Publication
Prof. Rathin Bandyopadhyay	Human Rights and Duties, Subject book to be published by University of North Bengal at University Press, ISBN No. 978-81-921285-3-5	2015
Mr. Dipanjan Moitra	International Journal of Computer Sciences and Engineering; ISSN: 23472693	2015
	Conference Proceeding of ICCS '16, University of Burdwan	2016
	Management Information System; Himalaya Publishing House Pvt. Ltd.; ISBN: 978-93-5262-012-8	2016
Ms. Piyali Chandra Khan	The Journal of Commerce (Indian Commerce Association); ISSN:19-512X	2015
	Quarterly Journal of Management Development (Indian Association for Management Development); ISSN:0048-6175	2015

12. Research Projects (Major & Minor):

Major Research Project		
Title of the Scheme Project	Sanctioned Authority	

Nil		
Minor Research Project		
Title of the Scheme Project	Sanctioned Authority	
Nil		

13. Visiting Fellow:

Name of the Visiting Fellow	Duration	
Nil		

14. Any other information:

Awards Received - Ms. Piyali Chandra Khan won the Best Research Paper in Peter F. Drucker Memorial National Conference, 2015.

Department of Mass Communication

1. Name of the Department: Department of Mass Communication

2. Date of Establishment: 17th August 2009

3. Introduction of the Department:

Within one year of the establishment, this Department has already made itself equipped with a PD professional camera, a SLR digital camera, few editing software and so on. The Department has been conducting regular practical classes on cinematography and video editing. The students are being taken to visit AIR at Kurseong, Doordarshan Kendra at Fulbari, Jalpaiguri and RED FM at Siliguri. The construction of the vertical extension of the building has been completed, and the department has accommodated class room and for lab purposes. Students are making short films/ documentaries, preparing advertisements, house journals to mention a few. Practical classes are given equal importance to the theory classes.

4. Name of the Faculty:

- Subhrajyoti Kundu, Assistant Professor
- Deepika Thapa, Assistant Professor (Contractual)

5. Name of the Reserach Scholars: NIL

6. Name of the Project Scholars: NIL

7. Name of the Non-Teaching Staff:

- Dipak Dey, Peon (Casual)

8. Student strength:

	Male	Female	Total
Part I: 1 st Sem.	7	17	24
2 nd Sem.	6	8	14
Part II: 3 rd Sem.	6	8	14
4 th Sem.	2	9	11

9. Seminar/Conference attended (Outside the country & Within the country): NIL

10. Organized Seminar/ Conference: NIL

11. Publication: NIL

12. Research Projects (Major & Minor): NIL

13. Visiting Fellow: NIL

14. Any other information: All most all the previous batch students have been absorbed in renowned firms.

Department of Nepali

1. Name of the Department : **NEPALI**
2. Date of Establishment : **1977**
3. Introduction of the Department : **Full fledged Department for Nepali Literature**
4. Name of the Faculty : **Arts, Commerce & Law**

Professor

1. Prof. Ghanashyam Nepal
2. Prof. Mohan Prasad Dahal

Reader

1. Dr. Naresh Chandra Khatri
2. Dr. Krishnaraj Ghatani

Sr. Lecturer/Lecturer

1. Dr. Pushkar Parajuli

5. Name of the Research Scholars :

1. Gyanendra Subba (NET-SRF)
2. Dup Tshering Lepcha (R.G.N.F)
3. Sarswati Mohora (R.G.N.F)
4. Gopimaya Gurung (N.B.U.) JRF
5. Bikram Biswakarma (R.G.N.F)
6. Kamana Lama (R.G.N.F)
7. Amrit Sharma (R.G.N.F)
8. Nilu Gahatraj (R.G.N.F)
9. Nita Pradhan (M.A.N.F)
10. Nabina Thapa (M.A.N.F)
11. Adarsh Sundas (R.G.N.F)
12. Dipesh Lama (UGC-NET) JRF

6. Name of the Project Scholars : Nil

7. Name of the Non-Teaching Staff :

<u>Name</u>	<u>Designation</u>
1. Gyan Prasad Chhetri	Technical Assistant (G-1)
2. Jamuni Sharma	Record Supplier
3. Rina Subba	Office Assistant (Casual)

8. Students Strength :

Students	Male	Female	Total
Part- I 1 st Sem.	13	33	46
2 nd Sem.			
Part – II 3 rd Sem.	13	25	38
4 th Sem.			

9. Seminar/Conference attended (Outside the Country & Within the Country):

Name of the Teacher	Name of the Seminars/Conference	Venue & Date	Title of the Paper Presented
1. Dr. Naresh Chandra Khati	Seminar : On Modern Criticism in Eastern Regional Language by Sahitya Academy.	New Delhi organised by Sahitya Academy Central University, Tejpur Assam, on 29.07.2015.	Modern Trends in Nepali Criticism (in English)

10. Organized Seminar/Conference:

Name of the Seminar/Conference	Date of Seminar/Conference
Nil	Nil

11. Publication:

Name of the Author	Name of the Book/Journal/Volume	Year of Publication
Editor- Dr. Pushkar Parajuli Editorial Board: 1. Prof. Ghanashyam Nepal 2. Prof. Mohan Prasad Dahal 3. Asso.Prof. Krishnaraj Ghatani 4. Asso.Prof. Naresh Chandra Khati	<u>Avijnan</u> (Nepali Journal) (ISSN : 0976-1640 ABHIJNAN) Vol.5 No.5	January to June 2016.

12. Research Projects (Major & Minor)

Major Research Project		
Title of the Scheme Project	Sanctioned Authority	
1. Tri-Lingual Dictionary Project	University Grant Commission New Delhi.	Department of Nepali, university of North Bengal. Sri. Gyan Prasad Chhetri (Technical Assistant) engaged.
2. ILCI- Phase- II Project	DIT/HRDM, New Delhi Sanctioned Amount Rs. 61.53 Lakhs. Period : 27 September 2012 to 20 th October, 2016 (extended)	Department of Nepali University of North Bengal 1. Principal Investigator- Prof. Ghanashyam Nepal. 2. Co-PI- Dr. Pushkar Parajuli.
3. SPTIL-Project	DIT/HRDM, Hyderabad University, Andhra Pradesh Sanctioned Amount Rs. 33.81 Lakhs. Period: 2013 to 18 th December 2016 (extended)	Department of Nepali University of North Bengal 1. Principal Investigator- Dr. Naresh Chandra Khati. 2. Co-PI- Dr. Krishnaraj Ghatani.
Minor Research Project		
Title of the Scheme Project	Sanctioned Authority	
Nil	Nil	

13. Visiting Fellow :

Name of the Visiting Fellow	Duration	
Nil	Nil	

14. Any other information:

Beside the Departmental activities, the faculty members of Nepali Department are time to time engaged in various National and state level confidential works in relation to the Nepali language and literature assignments under the UPSC, UGC, WBPS, WBCSS & etc.

Department of Philosophy

1. **Name:** *Philosophy*

2. **Date of Establishment:** 1968

3. **Introduction of the department:**

Department of Philosophy, North Bengal University is one of the very accomplished centers of learning and research in Philosophy in India. We pride ourselves in being a department where equal emphasis is placed on quality research as well as on development and training of students through extensive teacher-student interaction.

The Department of Philosophy, University of North Bengal has been awarded Special Assistance DRS-II (2009-2014) and DRS-III (from 2014 onwards) by the UGC to carry on research on '*The Problem of Meaning in Classical Indian Philosophy and Contemporary Western Philosophy*' including translation of Sanskrit texts into regional language. Centre for Buddhist Studies is also housed in the department.

i. Courses Taught: MA, M Phil, PhD

Classical and Contemporary Indian Philosophy and Western Philosophy (From Ancient to Contemporary Period)

Brief Course Structure at MA Level:

The compulsory papers comprise of basic themes in philosophy as epistemology, metaphysics, Ethics (both theoretical and applied), logic, Phenomenology, Existentialism, Post-modernism and Indian philosophy (classical and modern). Under each optional paper there are several alternatives to choose from, giving the students a scope to specialize in a particular direction as well as to acquaint themselves with new developments in the subject. There are 24 papers of 50 marks each. The total marks is 1600 of which 100 marks in each Semester are set aside for internal evaluation, such as

1. Seminar presentation & group discussions (25 marks)
2. Tutorial taken by each individual teacher (25 marks)
3. Comprehensive viva voce (50marks) is conducted at the end of the written examination of each semester.

Research Programme

Ph.D. / M Phil

The department also runs a successful Ph.D. and M.Phil Programme. About 40 PhD dissertations have been supervised by the teachers. At present there are about 22 registered Ph.D. scholars and 50 course work students in the Department. About a similar number of M.Phil students completed their dissertations over the years.

Research Profile:

Research Interests:

1. Indian Philosophy - both classical and contemporary
2. Philosophy of Language with special reference to theories of meaning -Indian and Western
3. Ethics - traditional and applied
4. Continental Philosophy

Thrust area under SAP is 'Theories of meaning'; Faculty members have undertaken research project on the thrust area i.e., the problem of meaning independently and collectively. Some of the papers written by

the departmental colleagues as well as others invited from stalwarts from other Universities have been published.

ii. Journal (if any)

Name of the Journal: *Philosophical Papers, Journal of the Dept. of Philosophy*, (ISSN 0976 – 4496)

Editors: Head, Editor-in-Chief

Co editor: Dr. Laxmikanta Padhi (from 2007 onwards)

4. Name of the Faculty:

<u>Professor</u>	<u>Associate Professor</u>	<u>Assistant Professor</u>
Prof. Debika Saha	Dr. Koushik Joardar	Dr. Laxmikanta Padhi
Prof. Kantilal Das	Dr. Nirmal Kr. Roy	Dr. Anirban Mukherjee
Prof. Jyotish Ch. Basak		Dr. Ngaleknao ramthing Smt. Swagata Ghosh

5. Name of the Research Scholars:

1. Soma Dutta, 2. Indrani Chowdhury, 3. Egam Khaling, 4. Juhi Routh, 5. Sanghamitra Barman, 6. Banani Barman, 7. Nabanita Bhowal, 8. Swati Bhattacharya, 9. Swati Ghatak, 10. Joly Roy, 11. Sujit Kumar Dutta, 12. Kaizar Rahaman, 13. Baishali Majumdar, 14. Jayeeta Majumdar, 15. Abir Kr. Das, 16. Sutapa Goswami, 17. Chandra Shekhar Mondal, 18. Monoranjan Roy Prodhani, 19. Hare Krishna Barman, 20. Chayanika Roy, 21. Sutapa Goswami, 22. Debanjali Mukherjee, 23. Anup kr. Das, 24. Ranjit kr. Barman, 25. Shrabani Roy, 26. Sujata Deo, 27. Subir kumar Roy, 28. Gopa Bhattacharya 29. Priyanka Hazra, 30. Jadav Roy, 30. Buddhiswar Haldar, 31. Pankaj Kanti Sarkar, 32. Pinki Das, 33. Soumitra Chakroborty, 34. Rakhi Debnath, 35. Harendranath Barman, 36. Suman Das, 37. Bishnupriya Saha, 38. Sushobhan Debbarmar, 39. Biman Karmakar, 40. Meenakshi Goswami, 41. Sadek Ali, 42. Rituparna Paul, 43. Hasen Ali Ahmed

6. Name of the Project Scholars:

7. Name of the Non-Teaching Staff:

<u>Name</u>	<u>Designation</u>
Smt. Priyanka Roy	Jr. Asstt. Cum Typist
Sri Balaram Kundu	Record Supplier

8. Students Strength:

<u>Students</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
Part- I	1 st Sem	36	63
	2 nd Sem	36	63
Part-II	3 rd Sem	38	56
	4 th Sem	38	56

9. Seminar/Conferences attended (Outside the Country & Within the Country)

<u>Name of the Teacher</u>	<u>Name of the Seminars/conference</u>	<u>Venue & Date</u>	<u>Title of the Paper presented</u>
Dr. Koushik Joardar	<u>Within India:</u> 1. Metaphysical Tradition from Plato to Kant : ICPR periodical lecture	16.12.2015, Mathabhanga College, Jalpaiguri	
	2. Morality and Justice:	10.2.2015 (Invited	

	RC in Law (ID) on Social Justice	Lecture)	
Dr. Debika Saha	<p><u>Within India:</u></p> <p>1. 89th session of Indian Philosophical Congress</p> <p>2. ICPR sponsored two day national seminar on Women's Issues in Philosophy & Comparative Religion</p> <p>3. National Seminar on 'Changing Dimensions of Concept of Legal Systems & Rule of Law: Emerging Trends in Constitutionalism',</p> <p>4. 90th Indian Philosophical Congress</p> <p><u>Outside in India:</u></p> <p>1. 27th International Conference of Philosophy</p> <p>2. World Phenomenology Institute</p> <p>4. 9th International Convention of Asian Scholars</p> <p>5. Glocal Symposium 'Posthumanism & Society'</p>	<p>5th-8th January, 2015, A.N.University, A.P.India</p> <p>Viswa-Bharati, Santiniketan, 27th-28th March, 2015</p> <p>Dept. of Law, University of North Bengal, 19th-20th December, 2015.</p> <p>Magadth University, Bodh-Gaya, Bihar, 1st-4th February, 2016..</p> <p>Athens, Greece, 11th-16th july, 2015</p> <p>the Harvard Science Centre, Harvard University, Massachutes, US, 4th-6th june, 2015</p> <p>Adelaide Convention Centre, Australia, 5th-9th july, 2015</p> <p>New York University on 8th May. 2015</p>	<p>'Global Justice: A Study'</p> <p>'Deconstructing the unheard voices of the subaltern'</p> <p>'Good Governance & Digital India'</p> <p>'The Role of Good Governance for making Digital India'</p> <p>'Global Justice: Myth or Reality'</p> <p>'The Lived Experince of Posthuman Phenomenology'</p> <p>'The Role of Cyberspace in South Asian Women Intellectuals Lives'</p> <p>'Body-enhancement & Morphological Freedom'</p>
Dr. Nirmal Kumar Roy	<p><u>Within India:</u></p> <p>1. Philosophy and Practical Life</p>	<p>SBS, Govt. College, Hili, Dakshin Dinajpur</p>	<p>"Philosophy and its utility in our day today Life"</p>
Dr. Laxmikanta Padhi	<p><u>Within India:</u></p> <p>1. International Conference on <i>Science and Jaina Philosophy</i></p>	<p>8th to 10th of January, 2016 at IIT, Mumbai.</p>	<p>The Relationship between Mind and Body: Descartes, Spinoza, Liebnitz and</p>

	<p>2. UGC-ICPR sponsored National Seminar on <i>Philosophy of Mind, Matter and Morals from Buddhist Perspective</i> at Centre</p> <p>3. Two lectures on Environmental Ethics and Ecofeminist Thought in the Refresher Course in Environmental Science</p> <p>3. Two lectures on Intrinsic value in Nature: the Value Objectivist's Position and Environmental Holism in Hindu Philosophy and Culture</p> <p>4. Certificate Course in Centre for Womens' Studies,</p> <p>5. National Seminar on <i>Reason, Emotion and Dream: Philosophical Excavations</i></p> <p>6. World Philosophy Day, 2015</p> <p>7. National Seminar on <i>Language and Meaning: East and Western Perspective</i></p>	<p>Mahayana Buddhist Studies, Acharya Nagarjuna University, Guntur, Andhra Pradesh, from 12th to 14th February, 2016.</p> <p>UGC's human Resource Development Centre, University of North Bengal on 5th November 2015.</p> <p>UGC's Centre for Professional Development and Higher Education Development, (UGC-HRDC) Delhi University, on 4th March, 2016</p> <p>University of North Bengal on 12th March, 2016.</p> <p>Department of Philosophy, 23rd November, 2015</p> <p>1st December 2015, Department of Philosophy</p> <p>Department of Philosophy, 9th to 10th February, 2016</p>	<p>Jainism</p> <p>Some Reflections on Buddhist Morality</p> <p>Attended</p> <p>Attended</p> <p>Ecological Crisis and Ecofeminism</p>
<p>Smt. Swagata Ghosh</p>	<p>Within India:</p> <p>1. Delivered invited lecture on "Knowing the Couselling process" and conducted workshop on "International aspects of Communication"</p> <p>2. Invited as Resource Person for Refresher</p>	<p>P.D. Women's College, Jalpaiguri, 2015</p> <p>UGC Human Resource Development Centre,</p>	

Course (Need-Based) in Counselling	University of North Bengal, 2016	
3. Delivered lecture on "Women's Studies: Analysis and Observations" at UGC Sponsored 7-day Certificate Course on Women's Studies	Centre for Women's Studies, University of North Bengal, March 10, 2016.	

10. Organized Seminar/Conferences:

Name of the Seminar/Conference	Date of the Seminar/Conference	
Dr. Laxmikanta Padhi: 1. National Seminar on <i>Reason, Emotion and Dream: Philosophical Excavations</i>	23 rd November, 2015	
Dr. Ngaleknao Ramthing 1. National Seminar on "The Theory of Meaning: Eastern & Western"	9 th – 10 th February, 2016.	
Smt. Swagata Ghosh 1. National seminar on "Reason, Emotion & Dream: Philosophical Excavations"	23 rd November, 2015	

11. Publication:

Name of the author	Name of the Book/Journal/Volume	Year of Publication
Dr. Koushik Joardar	1. Astibaad o Bangla sahityer duti khun (Existentialism and Two murders in Bengali Literature)	2016
Dr. Debika Saha	1. <i>Citizenship in the Posthuman Era</i> in Philosophical Papers: <i>Journal of Philosophy</i> , Dept. of Philosophy, University of North Bengal, Vol-X	2015
	2. Paper titled 'The Rights of the Marginalized' published in the edited volume of 'Human Rights and Duties' by the Law Dept. N.B.U.	2015
Dr. Laxmikanta Padhi	1. <i>Speech, Thought, Skills, and Some Proofs of Reason in Animals: A Greek Philosophical Perspective in Language and Communication</i> (edit.) Kanti Lal Das, Northern Book Centre, New Delhi. (NBU studies in Philosophy-22)	2015 (in press)
	2. <i>An Attack on Scepticism</i> in Ravenshaw Journal of Philosophy, Dept. of Philosophy, Vol.-1.	2015
	3. <i>Some Observations on Animal Rights in Does Human Right Exists?</i> Edit. Sidhatrtha Chatterjee, Manav Prakashan, Kolkata	2015
	4. <i>Ethical Approaches in Anthropology</i> in the semi-annual journal <i>South Asian Anthropologist</i> , Serials Publications.	March, 2016
	5. <i>Is Indian Philosophy Mystical</i> in Philosophical Papers: <i>Journal of Philosophy</i> , Dept. of Philosophy, University of North Bengal, Vol-X, March,	2015
Smt. Swagata Ghosh	1. 'Moral Communication in Purva-Minansa Darsana: A Prescription for Right Living' <i>Language and</i>	(In press)

	<p><i>Communication: Esat-West Comparartive Study</i>, NBU Studies in Philosophy: 28 (UGC SAP DRS – II), Department of Philosophy, University of North Bengal and Levant Book, Kolkata pp. xx-xx [ISBN:-xx]</p> <p>2. Empathic Communication: A New Paradigm to the Problem of Knowing Other Minds, <i>Philosophical Papers</i>, Vol. XI, Department of Philosophy, University of North Bengal, [ISSN:- 0976 4496]</p> <p>3. Effective Communication: An Important Means of Problem – Solving, <i>Counselling: Approaching Mental Health Issues of the Present Generation</i>, Mathabhanga College, Cooch Behar, [ISBN: - 978-81-932449-1-3]</p>	<p>2015 (In press)</p> <p>2016 (In press)</p>
--	--	---

12. Reserach Projects (Major & Minor):

Major Research Project		
Title of the Scheme Project	Sanctioned Authority	
Minor Research Project		
Title of the Scheme Project	Sanctioned Authority	

13. Visiting Fellow:

Name of the Visiting Fellow	Duration	
1. Prof. Gopal Ch. Khan, Rtd. Professor Burdwan University	(19.08.2015-21.08.2015)	
2. Prof. R. C. Pradhan, Hyderabad Central University	(24.08.2015 - 28.08.2015)	
3. Prof. Rupa Bandyapadhyay, Jadavpur University	(21.09.2015 – 23.09.2015)	
4. Prof. Rajat Kumar Bhattacharjee, Burdwan University	(03.12.2015)	
5. Prof. Tapan Chakroborty, Jadavpur University	(04.12.2015)	
6. Amb. Ashoke Sajjanhar, Ambassador of India to Kazakhstan, Sweden	Latvia (10.12.2015)	
7. Dr. Panos Eliopoulos, University of Pelounese, Greece	(13.01.2016)	
8. Prof. Asha Maudgail, Panjab University	(15.02.2016-17.02.2016)	
9. Prof. Chhanda Chakraborti, Kharagpur, IIT	(15.02.2016-17.02.2016)	
10. Prof. Ashok Vorha, Delhi University)	(14.03.2016 – 16.03.2016)	
11. Prof. Amitabha Dasgupta, Hyderabad Central University	(15.03.2016-18.03.2016)	
12. Prof. Bhaswati Bhattacharya Chakroborty, North Bengal University	(29.03.2016-31.03.2016)	

Department of Political Science

The Department of Political Science is one of the leading Departments in the University. It was established in the year of 1962. It offers Post Graduate teaching. The Department offers five special Courses. The students are also offered one practical Research Methodology training based on field survey. It also executes regular M.Phil and Ph.D Courses. Apart from these, there are two posts of JRF where the NET/SLET qualified students work for their Ph.D Degree, Part-time scholars in huge number also work for Ph.D. under the supervision of different teachers.

Faculty

Professor

Dr. M.Yasin
Dr. Anup Kr. Datta
Dr. Manas Chakraborty
Dr. Soumitra De

Associate Professor

Dr. Maya Ghosh
Dr. Dyutis Chakraborty
Dr. Arun Kanti Jana

Assistant Professor

Smt. Ranjita Chakraborty
Sri Ramesh Dural

Name of the Research Scholars :

Shanta Kerketta, Amrita Roy Sarkar, Biki Biswakarma, Chimme Tamang, Bhajan Basak, Purnima Roy, Tseten Uden Bhutia, Akangsha Mukhia, Aloka Roy, Mukunds Giri

Name of the Project Scholars : Nil

Name of the Non-Teaching Staff :

- 1) Ramprosad Bhattacharjee

Enrolment of Students :

	SC	ST	GEN	OBC	Total
	M-F	M-F	M-F	M-F	
Sem.-I	21-18	06-04	13-08	02-03	75
Sem.-II	20-15	06-05	13-08	02-03	75
Sem.-III	10-11	00-05	16-15	01-02	60
Sem.-IV	10-11	00-05	16-15	01-02	60

Seminars/Workshops organized by the Department :

1. Symposium on 'Human Rights : Ethics, Values and Ideology', March 2015(UGC)
2. National Seminar on Nehru and Nation-building in India, March 2015 (Centre for Nehru Studies)

Major research projects sanctioned/completed :

S.De, D.Chakrabarti & M.Yasin : "Applications of ICT & Major Governmental Programmes in the Remote and Rural Areas of North Bengal" (Rs. 8 lakh)

Publications:

Prof. M.Chakraborty:

1. Post Nehruvian Politics in India, Kolkata, 2015 (Book)

2. JUDICIAL ACTIVISM : A BULWARK OF INDIVIDUAL FREEDOM in Sahoo Jitendra-India's Constitutional Development Since The 1950s : Its Socio-Political and Economic Dimensions. (New Delhi: New Academic Publishers, 2015)
3. INDO-CHINA RELATIONSHIP: A PRISMATIC VIEW in Mahendra Gaur (ed) UDIES ON CHINA (New Delhi, Paragon International Publishers,2015)
4. Judiciary and Multiculturalism in India, NAM Today, Vol.55, 2015.
5. Social Justice and Indian Polity, South Asia Politics, Vol-3, 2015.
6. GOOD GOVERNANCE VIS A VIS PUBLIC POLICY : SOME CONSIDERATIONS. in Barthwal C.P. (ed) – THE ORIGINS OF POLITICAL SCIENCE AS A UNIVERSITY LEVEL DISCIPLINE IN INDIA (Nainital, Ankit Prakashan,2015).
7. JAWAHARLAL NEHRU AND NATION BUILDING IN INDIA in Chakrabarty, Manas -(Ed) - Post Nehruvian Politics in India: Agitations, Assimilations and Consequences. (Kolkata, Levant Books, 2015).

Prof. Soumitra De :

Technology, Politics and Indian Political Science” in The West Bengal Political Science Review, Vol. XVIII, No. 1&2, 2015-16

Dr. Arun Kanti Jana :

1. The Construction of a Kosli Identity and the Movement for a Separate State of Kosal in Western Odisha in the book.
2. S.K. Roy & R.S. Mukhopadhyay (eds), Ethnicity in the East and North-East India.

Dr. Ranjita Chakraborty :

1. “Gender Justice and Women’s Empowerment in India: Exploring the Realities and Possibilities”, in Basu, J. and Jana. M (ed) Women’s Empowerment: Miles to go.., Radiance, Kolkata,2015.
2. “Empowerment through Self Help Groups: A study on the role of SHG in the process of Women’s Empowerment in the districts of Jalpaiguri, Coochbehar and Siliguri subdivision”, *Journal of Life Long Learning and Education*, NBU, Vol 3, 2011 (published in 2015).
3. 9. Women, NGOs and CBNRM in West Bengal , in *The West Bengal Political Science Review* , Vol. XVIII No.1 and 2 2015-2016.
4. 10. Cyber Crimes and Women: A Story of One step forward and two steps backward, in *Indian Journal of Human Rights and Law*, Volume 13, No.1-2, January-December 2015.
5. 11. Judiciary in India: The Dialogic Space, in *Journal of Political Studies*, Vol 11, 2015.

SAP-DRS :

The UGC has elevated The Status of the SAP of the Department of Political Science from the stage of SAP-DRS-II to the stage of DRS-III.

Department of Sociology

1. **Name of the Department:** Department of Sociology
 2. **Date of Establishment:** 1976
 3. **Introduction of the Department:** 1976

4. **Name of the Faculty**

Professor	Associate Professor	Assistant Professor
Rajatsubhra Mukhopadhyay Sanjay Roy Saswati Biswas Mita Bhadra	NIL	Swatahsiddha Sarkar

5. **Name of the Research Scholars:**

- i) Dr. Mausume Basuroy Datta (ICSSR Post Doctoral Fellow)
- ii) Smriti Rai (University/ State Research Fellow)
- iii) Kumar Chhetri (ICSSR Fellow)
- iv) Pema Choki Bhutia (UGC-JRF)
- v) Manita Subba (UGC-JRF)
- vi) Thondup Bhutia (UGC-JRF)
- vii) Dichen Lamu Sherpa (MANF)
- viii) Kunsang Bhutia (RGNF)
- ix) Niyati Rekha Sharma (UGC-JRF)
- x) Renuka Rai (MANF)
- xi) Subrata Mukherjee
- xii) Aparna Chaterjee
- xiii) Sylvia Raha
- xiv) Bappi Singha
- xv) Priyanka Karmakar
- xvi) Amlan Lahiri
- xvii) Babika Khawas
- xviii) Pooja Gupta
- xix) Amal Roy
- xx) Taniya Basumajumdar
- xxi) Pintu Majumder
- xxii) Debasis Rai
- xxiii) Viveka Gurung

6. **Name of the Project Scholars:** NA
 7. **Name of the Non-Teaching Staff:** Shambhu Das, Dinesh Sharma

8. **Student Strength:**

Students	Male	Female	Total
First Semester	08	32	40
Second Semester	09	31	40
Third Semester	08	29	37
Fourth Semester	4	11	15

9. Seminar/ Conferences attended (Outside the country/ within the country)

Name of the Teacher	Name of the Conference/ Seminar	Venue & Date	Title of the Paper
Prof. Rajatsubhra Mukhapadhyay	1. UGC sponsored National Seminar on Changing Scenario of Society & Culture in the Context of Globalization	Birpara College, Alipurduar, Aug. 28-29, 2015	"Globalisation & Social Transformation in India"
	2. Special Lecture in the UGC sponsored seminar on 'Manishi Panchanan Barma: Social, Economic & Political Thoughts & their Relevance in Recent Times'	Dinhata College, Coochbehar, Sept. 26-27, 2015	"Manishi Panchanan Barma, Rajbanshi Society & Social Mobility: From Kshatriyaization to Janajati Karana"
	3. UGC sponsored National Seminar on 'Everyday Life & Social Relations'	Department of Sociology, NBU, Oct. 5, 2015	"Conformity with Sexuality in Everyday Life"
	4. Special Lecture	Agrasen Mahavidyalay, Department of Sociology, Dalkhola, Uttar Dinajpur, December 8, 2015	"Village Studies in India: Trends and Perspectives"
Prof. Sanjay Roy	1. Session Chair on 45 th Annual Conference of the Indian Anthropological Society	Department of Jute Technology, Calcutta University, May 23-25, 2015	"Issues in Social/Cultural Anthropology in Contemporary Times"
	2. Annual Conference of the Indian Sociological Society	KIT, Bhubaneswar, Dec. 2015	"Nuances of Social Relations in Everyday Life"
	3. Lecture in Orientation Course	Department of Human Resource Development, University of North Bengal, Apr. 7, 2016	"Culture and Politics"
Prof. Saswati Biswas	1. Lecture in Refresher Course	Department of Human Resource Development, University of North Bengal, Feb. 20, 2016	"God men and Sociology of Faith in the era of Globalisation"
	2. Lecture in Orientation Course	Department of Human Resource Development, NBU, Dec. 7, 2015	"Ethics in Research"
Dr. Swathasiddha	1. The Annual Kathmandu Conference on Nepal &	Shankar Hotel, Lazimpat	"Linguistic Situation in Darjeeling-Sikkim"

Sarkar	the Himalaya, Social Science Baha, The Association for Nepal and Himalayan Studies, Britain-Nepal Academic Council, Centre for Himalayan Studies-CNRS & Nepal Academic Network (Japan)	Kathmandu, Nepal, July 27-29, 2016	Himalayas: Interstices between Identity, Difference and Belongingness”
	2. The Annual Kathmandu Conference on Nepal & the Himalaya, Social Science Baha, The Association for Nepal and Himalayan Studies, Britain-Nepal Academic Council, Centre for Himalayan Studies-CNRS & Nepal Academic Network (Japan)	Shankar Hotel, Lazimpat Kathmandu, Nepal, July 27-29, 2016	“Locating Nepal in Indian Sociology and Social Anthropology: Mapping the Research Highways from India to Nepal” (Co-authored)
	3. International Centre for Development and Decent Work (ICDD), Germany funded Conference on Labour Markets in Eastern Himalayas and North East India: Changing Patterns and Emerging Issues, Tata Institute of Social Sciences, Guwahati	TISS, Guwahati, April 29-30, 2016	“Globalization and Plantation Labour Changing Contours of Labour Relations in the Darjeeling Tea Belt” (co-authored)
	4. Preconference at the Annual Madison South Asia Conference on Darjeeling Histories, Politics, and Environments, The Centre for South Asia, University of Wisconsin-Madison	The Centre for South Asia, University of Wisconsin-Madison, October 22, 2015	The Class Question Among the Indian Nepalis: Darjeeling in Perspective” (Co-authored, paper presented in absentia)

10. Organised Seminars/ Conferences:

Name of the Seminar/ Conference/ Workshop	Venue & Date of the Seminar/ Conference	Organised by
1. Organized a National seminar on Everyday life	Department of Sociology, NBU, Oct. 5, 2015	Prof. Sanjay Roy
2. Organized as Coordinator a Refresher Course at the Human Resource Development Centre (NBU) Globalization and its Impact on Society	Department of Sociology and Human Resource Development Centre (UGC) 17 Feb – 8 March 2016	Prof. Sanjay Roy
3. Co-organized a National seminar on Issues Relating to Development of North	Department of Sociology, NBU, March 10-11, 2016	Prof. Sanjay Roy

Bengal and Sikkim		
4. Co-organized a National seminar on Issues Relating to Development of North Bengal and Sikkim	Department of Sociology, NBU, March 10-11, 2016	Prof. Saswati Biswas

11. Publication:

Name of the author	Title of the paper/ book/ edited volume	Title of journal / publication detail of book
Prof. Rajatsubhra Mukhapadhyaya	"Reflections on the Demand of ST Status by some Ethnic Groups in Darjeeling Hills"	Social Trends Vol.2 No. 1, 2015 ISSN: 2348-6538
	Ethnicity in the East and North East India (Co-edited volume)	Co-edited with Sanjay Roy (2015), Gyan: New Delhi
Prof. Sanjay Roy	Ethnicity in the East and North East India (Co-edited volume)	Co-edited with Rajatsubhra Mukhapadhyaya, (2015), Gyan: New Delhi
	Guest editor with Prof. TB Subba	Journal of Indian Anthropological Society, Special Issue in memory of Prof. Nirendra Chandra Choudhury, (2015) Vol. 49, Nos. 1 & 2, ISSN 0019-4387
	Editor	Social Trends: Journal of the Department of Sociology of North Bengal University, (2016) Vol. 2, No.1; ISSN: 2348-6538
	'Tribal Question in North-East India: Changing "Governmentality" and Identity Politics'	Ajit K. Danda, Sarthak Sengupta and Dipali G. Danda (eds.) Unrest, Insurgency and Beyond. Jhargram: Indian National Confederation and Academy of Anthropologists and IGRMS, (2015) (ISBN: 978-93-83088-06-5)
	"Marginalisation, Alienation and Ethnic Identity Formation: The Case of the Adivasis in Dooars and Terai Regions of North Bengal"	Sanjay K. Roy and Rajatsubhra Mukhopadhyay (eds.) Ethnicity in the East and North-East India, (2015), New Delhi: Gyan Publishing House, ISBN: 978-81-212-1255-7
	"Colonized Physical and Mental Space and Conflicts in Cities"	Sumita Choudhuri (ed.) Facets of Urbanization. (2015), UK: Cambridge Scholars Publishing, ISBN: 978-1-4438-7111-2
Prof. Saswati Biswas	"Health and Morbidity in North Bengal: A Field Report from Mahipal Village in Phansidewa Block"	Social Trends (2016) Vol. 2, No.1; ISSN: 2348-6538
Dr. Swathasiddha Sarkar	"Missing Links: Globalisation, Labour and National Society"	Frontier, Vol. 49, No. 9, Sep 4 - 10, 2016, Available at URL: http://www.frontierweekly.com/articles/vol-49/49-9/49-9-Globalisation%20Labour%20and%20National%20Society.html
	"How (Not) to Write Hill History: Gorkhaland and Telangana Are Not Similar"	Economic and Political Weekly, 51(5): 94-95. (ISSN 0012-9976)

“Nepali Nation and Nationalism in Darjeeling: Kumar Pradhan in Perspective”	Studies in Nepali History and Society (SINHAS), 20(1): 31-68. ISSN: 1025-5109
---	---

12. Research Projects (Major & Minor)

Major Research Project		
Title/ Scheme of the Project	Sanctioning Authority	Name of the teacher
A Moral Economy of Labour? Tea Cooperatives in Eastern Himalayan and Sub-Himalayan Bengal Tea Zone	ICSSR- University of Lausanne, Switzerland Scholars Exchange Grants under Indo-Swiss Joint Research Programme (2016-17)	Dr. Swatahsiddha Sarkar
Minor Research Project		
Title/ Scheme of the Project	Sanctioning Authority	Name of the teacher
1. Gender Based Violence in Tribal Society with special reference to Southern Region of North Bengal	UGC-SAP DRS II, Department of Sociology, NBU 2014-15	Prof. Rajatsubhra Mukhapadhyaya
2. Health and Morbidity in North Bengal: A Study of Mahipal Village in Phansidewa	University of North Bengal Research Grant 2014-15	Prof. Saswati Biswas
3. State-Society Relationship and the Sociological Significance of the New Constitution in Nepal	University of North Bengal Research Grant 2015-16	Dr. Swatahsiddha Sarkar
4. Fostering Academic and Policy Research Collaboration between India and Nepal and Related Activities	B P Koirala India-Nepal Foundation funded and Martin Chautari, Nepal 2015	Dr. Swatahsiddha Sarkar
5. Tribal Identity and Politics in the Darjeeling Hills: A Sociological Study	University of North Bengal Research Grant 2014-15	Dr. Swatahsiddha Sarkar

13. Visiting Fellow:

Name of the Visiting Fellow	Duration
1. Prof. Shovanlal Dutta Gupta	23-24 February 2016
2. Dr. Surajit C Mukhopadhyay	2-3 March 2016

CHAPTER - III

RESEARCH CENTERS

Centre for Himalayan Studies

1. Name of the Department/Centre : Centre for Himalayan Studies
2. Date of Establishment : 11th December 1978
3. Introduction of the Department : Strategic and Area Studies, 2005.
4. Name of the Faculty

Professor	Reader (Assoc. Professor)	Sr. Lecturer/Lecturer (Asst. Professor)
Prof. Sekh Rahim Mondal	Dr. Ujjwal Bhui
Prof. Rangadhar Sahu		
Prof. Maitreyee Choudhury		
Prof. Karubaki Datta		
5. Name of the Research Scholars : Ms. Deepika Chhetri, SRF, NBU
Sri Vinay Limbu, SRF, NBU
Sri Aditya Subba, JRF, UGC
Ms. Jayashree Dey, JRF, UGC
Ms. Deepika Lama, JRF, RGNF
Sri Suresh Subba, JRF, RGNF
6. Name of the Project Scholars : Chakradhari Saha
7. Name of the Non-teaching Staff :

Name	Designation
Sri Ajay Misra	Documentation Officer
Dr. Debi Prasad Boot	Cartographer
Sri Hari Nath Poddar	Superintendent (technical)
Sm. Ratna Das	Office Assistant Group C (Casual)
Sm. Munna Mangar	Senior Peon
Sri Ajay Thakur	Group-D (Casual)
8. Students Strength

Students	Male	Female	Total
Part - I			
1 st Sem..	01	04	05
2 nd Sem.	01	04	05
Part - II			
3 rd Sem.	00	05	05
4 th Sem.	00	05	05
9. Seminar/Conferences attended (Outside the Country and Within the Country)

Name of the Teacher	Name of the Seminars/Conference	Venue and Date	Title of the paper presented
Prof. M. Choudhury	International Workshop on "Human Security: Emerging Trends and Challenges"	Pondicherry University, 16-18 March, 2016.	"Human Development vis-à-vis Gross National Happiness in Bhutan: Challenges and Achievements"
..	UGC sponsored National Seminar	Dept. of Sociology, North Bengal University, 02-03	"Development of Hydroelectric Power Projects and Their Impacts in Sikkim"

			March, 2016.	
„		4 th International Congress of Bengal Studies (ICBS)	Tokyo University of Foreign Studies, Tokyo, Japan, 12-13 December, 2015	“Kalikata-Calcutta-Kolkata: Making and unmaking of a Conurbation in Bengal” “Society and the Development Perspectives in the Himalayas”
„		Symposium cum Workshop on Globalization and Global Studies: Interdisciplinary Perspectives’	Centre for Himalayan Studies, North Bengal University, 26-27 November 2015.	“Some Conceptions and Misconceptions about Globalization”
„		International Seminar on Structural Transformation of South Asia	Lund University, Lund, Sweden, 20-22 May, 2015.	“Trends in transnational migration of workers from Nepal to Sikkim in the Eastern Himalayas and its implications on demography and social sustainability”
„		International Seminar on Cultural Heritage of Sikkim	IGRMS, Bhopal and Dept. of Anthropology, Sikkim University, Gangtok, 25-27 April, 2015.	“Rong Lupon Sonam Tshering Lepcha and his ‘Museum of innocence’: A unique mission for the preservation of Lepcha Arts and Crafts”
Prof. Sahu	R.	UGC sponsored National Seminar SAP (DRS – III), “Theories of Meaning: Eastern and western Perspectives	Dept. of Philosophy, NBU, 09-10 February 2016.	NA
„		National Seminar on “Reason, Emotion and Dream: Philosophical Excavations”	Dept. of Philosophy, NBU, 23 November, 2015	NA
Prof. Datta	K.	Association of Tibetan Studies, World Mountain Conference	Mountains in Future Earth, Perth, Scotland, 5-7 October, 2015	“Sacred groves and conservation of forests in Sikkim.”
„		S.P. Sen centenary memorial seminar on Historiography	Institute of Historical Studies, Kolkata, 19-20, February, 2016	“On the historiography of Sikkim”

Ujjwal Bhui	NA	NA	NA
-------------	----	----	----

10. Organized Seminar/Conferences:

Name of the Seminar/Conference	Date of the Seminar/Conference	Remarks
Symposium / Workshop on "Globalization and Global Studies"	26-27 November, 2015	Symposium Director: Prof. S.R. Mondal

11. Publication:

Name of the Author	Name of the Book/Journal/Volume	Year of Publication
Prof. Maitreyee Choudhury	"The Concept of Gross National Happiness and its Application in the Process of Development in Bhutan", <i>Occasional Paper No 21</i> , Centre for Himalayan Studies, North Bengal University.	March, 2016
	"Hydroelectric Power Generation and its Impact on Cultural Ecology in the Himalayas: A Study of Hydro-power Projects on River Teesta in Sikkim" in <i>Dialogue</i> , Vol. 16, No. 3, pp 86-96, January-March 2015, New Delhi.	2015
Prof. Karubaki Datta	"Human flows, trade and security: The changing role of Chumbi Valley in the Himalayan region" <i>Athens Journal of History</i> (published by the History research unit of the ATINER, Greece) Vol.1, No 3, 2015.	2015
"	"Across the peaks through the passes – The Tibetans in the hills of Darjeeling" <i>Omnibus of North Bengal</i> , vol.2, (ed) Anita Bagchi, B.R. Publishers, New Delhi.	2015
Dr. Ujjwal Bhui	"Microsociology of inter-ethnic relationships: A study in Darjeeling District and Dooars since the formation of Gorkhaland Territorial Administration" <i>South Asian Anthropologist</i> , Vol-16, No.1, March 2016, Page No. 97-117.	2016
"	"Quest for identity or development, or for both: An assessment of the desirable alternatives in Darjeeling Himalaya" <i>Nrtattv: The Anthropology</i> , Vol. 8 Jan-June 2015.	2015

12. Research Projects (Major & Minor)

Major Research Project	
Title of the Scheme of the Project	Sanctioning authority
1. "Ethnic Movements for Autonomy: A Sociological Study of Some Ethnic Groups of West Bengal vis-à-vis Jharkhand with Reference to Their Struggle for Autonomy to Solve Their Identity and Development Related Issues": PI Dr. Ujjwal Bhui	ICSSR (2015-2017)

Minor Research Project		
Title of the Scheme of the Project	Sanctioning authority	Remarks
1. "Area Studies in Social Sciences: Bridging the gap in Disciplinary Studies": PI Prof. Maitreyee Choudhury	UGC/CHS	Under Area Studies Programme (2015-2019)
2. "Migration of workers from Nepal to Sikkim and Darjeeling district and its impact on demography": PI Prof. Maitreyee Choudhury	UGC/CHS	Do
3. "Natural disasters in the Eastern Himalayas: The social and economic dimensions": PI Prof. Rangadhar Sahu	UGC/CHS	Do
4. "Frontiers of geographical research on the Himalayas": PI Prof. Rangadhar Sahu	UGC/CHS	Do
5. "Anti-Chinese protest movements in Tibet – Issues and trends": PI Prof. Karubaki Datta	UGC/CHS	Do
6. "Forests, settlements and environment in Sikkim during Colonial period of Indian history": PI Prof. Karubaki Datta	UGC/CHS	Do
7. "Forest situation in Bhutan: Government's role/strategies and people's participation in forestry in Bhutan": PI Dr. Ujjwal Bhui	UGC/CHS	Do
8. "The Chinese claim on Arunachal Pradesh and its impact on the people of the Indian state: A social-psychological study": PI Dr. Ujjwal Bhui	UGC/CHS	Do
9. "Himalayan Studies in the Asiatic Society of Bengal": PI Prof. Karubaki Datta	NBU	2015

13. Visiting Fellow: Dr. Bandana Mukherjee, The Asiatic Society, Kolkata, Guest Faculty for Tibetan language.
14. Foreign Visit by the faculty: Prof. Maitreyee Choudhury visited Lund University, Sweden (May, 2015) and Tokyo University of Foreign Languages, Japan (December 2015). Prof. Karubaki Datta visited University of Highlands and Islands, Perth, Scotland (October 2015).
15. Any other information: The Documentation Cell of the Centre upgraded facilities for readers and visitors from India and abroad and the Current Awareness List was prepared by the Documentation Officer Sri Ajay Misra.

Centre for Women's Studies

1. BACKGROUND OF THE WOMEN'S STUDIES CENTRE, NBU

- 1.1 **Name of the University** : University of North Bengal
- 1.2 **State** : West Bengal
- 1.3 **Address** : Centre for Women's Studies,
University of North Bengal
Raja Rammohunpur,
P.O- North Bengal University,
Dist. Darjeeling, PIN-734013.
- 1.4 **Date of Establishment** : July, 2000.
- 1.5 **Date of Assignment of Present Phase** : The Centre has been placed under **Phase-I** by UGC at the end of the Xth Plan as per letter F.No.7-1/2007(WS),. dated **7 July 2009**. However, at the end of the XIth Plan it has been upgraded by the UGC to **Phase- II** as per the letter F.No.7-68/2007(WS) dated **21st March, 2012**.
- 1.6 **Name of the Director & Date from when in position** : Dr. Sushma Rohatgi, from 24thFebruary, 2012 (Honorary)

2. ACTIVITIES OF THE CENTRE

2.1 Objectives:-

Briefly, the purpose behind the establishment of the Centre for Women's Studies at the University of North Bengal was two-fold, namely

- a) to articulate the situations of women in general and their developmental needs through academic research, teaching programmes with an ultimate policy focus;
- b) to fulfill critical gender needs and to build self-awareness and self-confidence among women in the region, through grass root empowerment activities that would encourage their articulate participation in the institutions of governance.

2.2 Fulfillment:-

Since its establishment in 2000, programmes undertaken at CWS have sought to reach out to women of all sections from the North Bengal districts and Sikkim, in order to fulfill these objectives. The core activities undertaken by CWS in framing a regional research programme in Women's Studies are an integral part of the CWS Action Plan. CWS also provides critical community support services, and networks with Government institutions, women's organizations and NGOs in order to generate Community Action for the fulfillment of regional women's needs.

Keeping the basic objectives in view, the Centre for Women's Studies has endeavored to coordinate multidisciplinary activities that can synergies the expertise into a definite core for Women's Studies pertaining to the North Bengal region. The Centre has also undertaken programmes to extend research and training skills of individual scholars and departments, within and without the University system.

Projects and programmes undertaken by the Centre have sought to formulate developmental policies for the betterment and empowerment of the women of this region. To realize and attain the above, the Centre has established an interface of technical, academic and administrative skills throughout the region. Various departments at the University have already established programmes in Women's Studies with a significant research component in addition to their teaching content. The Centre has endeavored to consolidate and strengthen these studies and capabilities under its umbrella.

However, since 2009 during XIth Plan, the Centre has started **Refresher Course on Women's Studies** for University and College teachers, in collaboration with UGC Academic Staff College of the University. Till date the Centre has successfully completed six (07) Refresher Courses.

First Refresher Course on Status & Empowerment of Women (17th Nov-7th Dec 2009), Second Refresher Course on Women in Contemporary India: Problems & Prospects (10th-30th Nov., 2010), Third Refresher Course on Gender & Society (23rd Feb-14th March, 2011), Fourth Refresher Course on Women & Discrimination (22nd Aug.-11th Sept 2012), Fifth Refresher Course on Women & Social Security (2nd-22nd May, 2013), Sixth Refresher Course on Women, Society & Crime (30th Oct -19th Nov. 2014) and Seventh Refresher Course on Gender in Literature and Society (5th Aug – 25th Aug 2015).

Further, to generate academic interest amongst the young generation towards Women's Studies and make them aware to gender issues the Centre has started short term **Certificate Courses** on various women's issues along with its regular activities like Research works, Publications, Seminar, Workshop, Sensitization and Awareness programmes on gender issues at various level including the grass root women. The project work initiated at the Centre aids the formulation of gender sensitive development policies and programme for the upliftment and empowerment of women in the region.

Centre's contribution towards expansion of women's studies teaching research and field action are as follows:

- UGC has supported the Center's and facilitated to become teaching and research departments in the university system .Till today, CWS was acting as a research department, now NBU would like to expand the knowledge of Women's Studies to wider range by introducing M.phil course, which will automatically enhance the research activity through dissertation paper.
- As the thrust is to develop field action projects for action research, evaluation and enhancement of knowledge and partnership across boundaries of caste/class/religious community and occupation. Enhancement of knowledge amongst different religious and caste has been considered during screening of candidates for training on basics of Computer, open source software, digital India and Geoinformatics.
- Evaluation of enhancement of knowledge about their rights etc has been done through project in and around NBU.
- New focus emphasizes monitoring, partnership & clustering as well as orientation and training .has been done by organizing workshops and training for different section of the people of society such as training on book binding (Rural area dominated by SC/ST population), computer training & Geoinformatics (Research scholars), Certificate course on Women Studies (for NGO & graduate students). Partnership with different colleges and organization by delivering lectures.
- Multi layered understanding of the realities of women's lives has been presented through the Gender Atlas of West Bengal using GIS technique, which is visual and analytical. The picture of the status of women can be visualized easily with clarity.
- Women's Studies was initially conceptualized as a branch of Social sciences and Humanities as Women's Studies programme in addition to social sciences. must engage with other disciplines of

science & technology, forestry, medicine ;as development in these areas have a great bearing on Women's lives hence:-

- Knowledge of medicine has been given by Physicians, Homeopathic Doctors, Prof. of Community Medicine through special lectures to the students, through refresher's course to the teachers and through awareness programme in the forest and tribal villages.
- Knowledge of medicinal plants
- Workshops were organized for women participants on computer training, Digital India, Open Source software programs on Linux platform and Geo-informatics.
- The fund given by UGC has really acted as catalysts for promoting & strengthening women's studies through teaching & research. If fund will be released for the salary of 14 staffs as sanctioned by UGC and State Govt. will give the approval for those posts, which is essential for introducing M.Phil Course, Women's Studies will not only help in expanding knowledge and development of the subject ,but it will also help in improving the status of women in North Bengal.
- Documentation on different issues related to women has been done from local news papers, which will help for designing future programmes for women's empowerment.

3.0 DETAILS:-

3.1 Teaching Courses

Keeping in mind the criteria laid down by UGC as per XIIth Plan guideline where UGC encourage the teaching courses to build strong academic base institutionally for Women's Studies, the Centre has started **Refresher Courses on Women's Studies** and **Short term Certificate Courses on Women's Issues** during XIIth Plan Period.CWS has taken the decision to introduce M.Phil in Women's Studies from 2016 for which syllabus has been formulated.

Following are the details of teaching courses conducted during the year 2015-16.

A. Refresher Course

The Centre for Women's Studies, University of North Bengal, in collaboration with the UGC Academic Staff College, organized a Refresher Course from 05.8.15 - 25.8.15. The theme of the Course was **Gender in Literature & Society**. Teachers from various University departments and Colleges from every corner of the country were attended the course. Due to the growing responses towards the field of Women's Studies, like previous years this year also it receives good responses (50 participants) from all over the country.

Teachers (50) from entire North Easernt States, West Bengal, Maharastra were selected for the Course. They are from various disciplines like Economics, Geography, Bengali, Assamese, Political Science, History, Sanskrit, English, Law, Sociology etc.

Teachers from the University of North Bengal, Calcutta University etc having the expertise in this field acted as resource person and delivered lectures on various issues related to the theme.

B. Short Term Courses-

Keeping in mind the growing responses towards Women's Studies and the regional need, the Centre for Women's Studies, University of North Bengal has started short term **Certificate Course** from the year 2009 on various Women's issues.

B-1. Reproductive and Child Health –

To sensitize as well as to create awareness among the women section regarding the Reproductive health which is very much important at present situation, the Centre for Women's Studies, University of North Bengal has organized a 7 day certificate course on *Reproductive and Child Health from 16th-23rd March, 2016*. The course was for the graduate female, as well as women working in the health sectors and NGOs etc.

The course has been designed to address the all aspects of *Reproductive and Child Health*. Hence, to fulfill the aim of the course all the topics related to the theme has been incorporated in the course.

Objectives of the course-

- People are not aware of the overall well being of women as well as women's health.
- Being a semi urban locality there are numbers of villages in and around the University, where people specially the women section are not aware of the fact related to the reproductive and child health.
- Misconceptions related to reproduction and child health are there, which affect adversely the reproductive and child health.
- In spite of the availability of modern medicare system people are more dependent on the traditional system.
- People are not even aware of the fact related to proper maintenance of a healthy practices during pregnancy as well as pre and post natal period.
- Further, due to the preference of male child, repeated pregnancy is occurred which adversely affect Women's Health. At the same time gender discrimination plays a vital role in the overall development of the girl child.
- People are not aware about the various government schemes and facilities related to the reproductive and Child Health.

All factors mentioned above adversely affect the Reproductive and Child Health of the society, resulting the pre and post natal complications, low birth weight of baby, high rate of maternal mortality etc. Hence, to address such kind of problems and make them aware of the issues, the centre has started this course to sensitize the rural mass as well as the young women.

The topics covered during the course are as follows-

- Overview of Reproductive and Child Health.
- National Health Mission
- Overview and entitlements during ANC & PNC
- HIV/AIDS & Epidemiology & preventive measures (PPTCT)
- Life Style Education
- Nutrition of Mother & Child
- Family Planning practices
- Positive living with HIV (PLHIV)

The entire course has been designed with the help of the Department of Community Medicine, North Bengal Medical College and College of Nursing, North Bengal Medical College. The faculty from both the department of community medicine and college of Nursing of from North Bengal Medical College acted as resource person in the entire course and took classes on above mentioned topics.

The course was started on 16th of March, 2016 and continued till 23rd of March, 2016. *Initially 28 candidates were enrolled but finally 18 appeared for examination and 12 passed in examination.* The

participants were mostly students of MSW and from various departments of the University. However, school teacher and women working in NGO also have attended the course. At the end of the course study materials of each class have been distributed to the participants.

After 7 days course an exam was conducted among the participants. On the basis of their class attendance and qualifying marks certificates has been distributed.

B-2. Women's Studies –

Keeping in mind the growing responses towards Women's Studies and the regional need in order to create awareness on gender issues among the young generation the Centre has designed the 7 day Certificate Course on Women's Studies from 10th -16th March, 2016. **33** students registered for the course and **28** completed the course successfully. Post graduate students from various University departments, graduate students, women working in various organization etc. has attended the course.

Faculty from various University Department act as resource person in the 7 days certificate course and delivered lectures on various women's issues. All aspect starting from the concept of women's studies to women in literature, feminism, women in development, philosophical background of women empowerment, economic empowerment of women, third world policy approach, women's health along with adolescent care etc has been covered during 7 days course. However, there are interactive sessions also where students participated actively and share their views and opinions.

Objectives of the course-

- Gender discrimination is very common in North Bengal region, specially in the rural set up.
- Dowry is a common phenomenon in the society.
- Domestic violence is reported frequently in and around the region.
- Trafficking of women is another alarming problem faced by the female child of the area.
- Women are not even aware about the legal matters.
- Preference of male child is still exist in the society.
- Women do not play any role in decision making Process.

Thus all above mentioned factors are adversely affect the position of women in the society of the region. Hence, to improve the situation and also to create awareness among the womenfolk of this region the Centre has design this course. Another aspect of this course is to generate academic interest amongst the young generation towards Women's Studies and make them aware to gender issues.

After 7 days course an exam was conducted among the participants. On the basis of their class attendance and qualifying marks certificates has been issued to the candidates.

LIST OF THE CANDIDATES

SI No	Name	Sex	Educational Qualification
1	Maniklal Saha	M	M Phil, Bengali
2	Sanchita Ghosh	F	M A Bengali
3	Bithika Biswas	F	M A Bengali
4	Rabindra Kumar Barman	M	M A Bengali
5	Sudhangshu Kumar Sarkar	M	M A Bengali
6	Uttam Das	M	M A Bengali
7	Sujit Barman	M	M A Bengali
8	Dipak Barman	M	M A Bengali
9	Kakoli Sarkar	F	M A Bengali
10	Kalipada Barman	M	M A Bengali
11	Sathi Nandi	F	M A, Bengali
12	Kuntal Sinha	M	M A Bengali

13	Monab Mondal	M	M A Bengali
14	Suraj Das	F	M A Political Science
15	Asish Singha	M	M A Political Science
16	Sahebul Alam	M	M A History
17	Sachib Kumar Paul	M	M A History
18	Eachin Miah	M	M A History
19	Rajesh Das	M	M A History
20	Abdul khalek	M	M A History
21	Partha Sarathi Ghosh	M	M A Bengali
22	Sharmishtha Paul	F	M A Bengali
23	Joy Das	M	M Phil, Bengali
24	Prapti Chakraborty	F	M A Bengali
25	Krishna Mohan Bhowmik	M	M A Bengali
26	Manojit Barman	M	M A Bengali
27	Hriday Ranjan Sarkar	M	M A Bengali
28	Pinki Barman	F	M A Bengali
29	Manik Maitra	M	M A Bengali
30	Mita Roy	F	M A Bengali
31	Tufan Roy	M	M A Bengali
32	Nanigopal Kapasia	M	M A Geography
33	Biswajit Das	M	M A Geography

3.2-. Training Programme

Computer Awareness and Literacy Programme

3.2.2 Hands on Training on Book binding

A hands on training on book binding programme was undertaken on 25-26 March, 2016 in the Centre for Women's Studies, University of North Bengal. The target group were ladies who had studied till Class X and who were willing to learn book binding as a additional source of livelihood for the family.

The course was attended by-

- 27 women of Atharakhai Gram Panchayat on 26.03.2016 at NBU campus
- 18 girls from surrounding villages 23 girls of North Bengal University on 25.03.2016 at NBU campus
- 27 women participants of Ruidhasa village, on 26 .03.2016 at Ruidhasa Primary School

Mr. Sanatan Barman, the book binder of the Library of the University was the resource person. He was assisted by Mr. Asit of the CWS, NBU. He imparted hands on training to the ladies. The ladies had first hand experience in book binding with the material provided by the CWS, NBU. The programme was appreciated by the participants.

- **Awareness Programme for member of SHG** was held on 26 March 2016. New opportunities of improving their income was shown to them through film.
- **Computer Awareness and Literacy Programme** was held on **25th March, 2016** in, University of North Bengal by CWS, NBU. The target group were girls who had completed Class X. 18 girls from villages adjoining the University attended the programme.

This course has been designed to spread the awareness and the basic knowledge about Computer.

Objectives of the course:

- An attempt has been taken to make the Women Candidates friendly with the computer.
- Now-a-days, the knowledge of Computer is must in all the sectors, hence it is our support to the Women Candidate those who are interested in learning Computer but can't afford.

Awareness programme on Effective Communicative Language on 28th March 2016

Ms Somdatta Bhattacharya of P.D.Women College has delivered a lecture on Effective Communicative Language. The matter which was communicated is important for the students of North Bengal for achieving their goals.

Inter-Personal Aspects of Communication

Communication is a very important tool for human interaction. In mental health three types of communication are usually admitted. These are aggressive communication, passive communication and assertive communication. In our gender sensitive society, even in the present Indian scenario, women are still passive in their lived-experiences. Leaving a small group of empowered women, either women are aggressive due to many reasons or most of them play a very submissive and passive role. In this situation, it is very significant to sensitize the teenager girls so that they can unlearn the typical societal role and may cope up with the situations (career and personal life) through an assertive way of communication.

Moreover learning assertive communication style is not only important for women, it is applicable for men too; especially for the teenager boys for their career and personal life purpose. I would like to talk about the way of successful communication with the help of various examples relevant in today's society.

Aggressive Communication:

In aggressive communication, we may attempt to make people do what we want by inducing guilt or intimidation and controlled tactics.

Instances of aggressive communication:

The aggressive communication of response is essentially the complete opposite of passive. An aggressive communication is revealed when we:

1. Interrupt others when they are speaking &c.

Effects of aggressive communication in others:

Angry, humiliated, hurt, defensive, de-motivated, resentment, non-cooperation

Passive Communication:

Passive communication is based on compliance and hopes to avoid confrontation at all costs.

Instances of Passive Communication:

A passive person says, in effect, that he/ she will let someone else decide what will happen to him/her. Passive communication is revealed when we:

1. Don't participate or share own thoughts and ideas
2. Verbally, agree with others despite their real feelings &c.

Effects of Passive Communication in others:

Irritated, angry, resentful, non cooperation, misunderstanding

Effects of Passive Communication in self:

1. Lower self esteem etc.

Assertive Communication:

The most effective and healthiest form of communication is the assertive style. It is how we naturally express ourselves when our self esteem is intact, giving us the confidence to communicate without games or manipulation.

Three Steps to Assertive Communication:

How to say 'No':

Once you get the picture of what it is that is requested and feel that you do not want to do it, decide not to do it.

The following are some ways that might help you to say NO.....

If you can give an honest reason for your refusal, you will not be seen as uncooperative. Just as you have a right to keep a request, similarly you also have a right not to keep it. Say "No".

3.4. Field Action –

3.4.1. International Women's Day

3.4.1 International Women's Day

The Centre for Women's Studies has organized the *International Women's Day* on 8th March 2016. With an aspiration for a "Planet 50-50" and took the oath that we will "Make it Happen"- a "Planet 50-50" before 2030

CWS observe the Day by means of academic discussion as well as cultural activities expressing women's situation in our society.

- Saraswati Vandana by Purbasha Paul (4th Sem Geog)
- Lighting the Lamp
- Felicitation by offering bouquet to dignitaries
- Welcome speech by Director- S Rohatgi
- Speech by Vice-chancellor
- Speech by Dean, Faculty of Arts Commerce & law
- Speech by Ratna Roy sanyal

Cultural Programme:-

- Song by Blind student-Bengali Dept
- Programme by Phansidewa Group- dance & songs
- 5 Songs by Students of Geog with recitation
"Ori Chiraiya" "Rupaiyaa" "Ghar yaad aata hain mujhe" "Bekhauff" "Asatoma Sadgamaya"
- Participants: Saptami Sarkar, Tannistha Saha, Chandrima Sarkar, Priyanka Saha and Tanushree Roy
- Song (Bhawaiya) by Sattar Hussain (4th Sem-Geog)—1-Bandhu Kajal Bhomra..... 2. Hastig Varan...
- Song by Jay Karmakar
- Ashayen – Song from Iqbal film-Ranjit Singh

- Vote of thanks by Dipak Roy

Teachers, Scholars and Students from various University departments, college and NGO members attend the programme.

3.4.2 Poster Competition:-

Poster Competition on “*Women & society*” has been organized by CWS on 27th March 2016 for the students of North Bengal. Prizes have been distributed to the winners of 1st, 2nd and 3rd best posters. The posters depicted the topic have really attracted the visitors and very encouraging discussions were held.

3.4.3 Essay Competition

To create awareness amongst the college students of six districts of North Bengal, CWS every year has been organizing essay competition since 2013. This year the topic of the essay competition was “*Women’s Role In Society, Culture And Literature For Realization Of Equal Rights*”. Essay competition has been organized in four languages viz. English, Hindi, Bengali and Nepali. Prizes have been given to best and second best essay in all the four languages.

3.4.4 Awareness Programme:-

Awareness programme on Sexual harassment bill has been organized on 23rd March 2015 for all the students of North Bengal University. District Judge was the special guest as a key speaker along with the teachers of Law Department, NBU. There was an interactive session attended by 400 students and they were really benefitted by the programme.

3.4.5 Workshop:-

CWS in collaboration with Gyan Jyoti College has organized a one day workshop on 31st March 2015 on “The Status of Women & Their rights in India.” 57 students and 15 teachers participated in the workshop. Speakers from North Bengal University and Gyan Jyoti College delivered lectures on the subject such as status of women in India in different sectors, Human Rights, Sexual Harassment Bill and functions of Sexual Harassment Redressal Cell of NBU.

3.5. NATIONAL SEMINAR

The Centre for Women’s Studies organized a **UGC Sponsored National Seminar on Women, Environment and Science** from **26-27 March, 2016**.

About The Theme Of The Seminar:-

Women, Environment and Science indicate the prevailing condition of women in society and how they adopted themselves in modern science.

Women & Environment both are vast diverse, protective and productive. Women and environment are interlinked. Today women are engaged in outside work along with household chores. Women provide food, water, fuel and fodder for their homes for which they are dependent on nature; hence they are more sensitive and protective towards environment. Any harm to the environment affects the life of women.

Presently science has offered a lot of wings for empowering women where women can think and grow independently and make their own decision on their personal development. Women possess indigenous technical knowledge and practice science & technology everyday in their lives, but they are portrayed as the beneficiaries of science & technology.

There are positive and negative aspects of Science & Technology for the welfare and progress of women. Even the technology in form of thermal efficient stoves, bio-gas technology, solar energy utilization and rain water harvesting have been tried successfully for improving the lives of women but, these technologies have not reached to the masses.

By empowering women and transferring this technology to the masses, they can enjoy the better standard life. Though, the Government has initiated a lot of programmes and schemes to improve the social, economical and political opportunities for women but there is a need to have strategies for meeting the need of future generation. The objectives of this seminar are:

1. To provide the participants deep insight into advancement and development of women in every walk of life.
2. Creating an environment through positive economic and social policies for development of women and realization of their full potential.
3. Strengthening legal systems to eliminate all forms of discrimination against women.
4. To explore the role of women in various aspects of sustainable development like social progress, scientific advancement, economic growth and environmental protection

The present seminar is an endeavour to bring the senior academics, social activist's educational administrators and practitioners concerned with women issues to a common platform to discuss, deliberate and ponder over such issues. The discussions will be directed towards strategically formulating action plans to address issues of concern for women and to chalk out future direction for the men, women and the divergent society as a whole to empower women in true character.

In order to share thoughts and experiences on these issues, the Seminar is proposed to be organised on the following sub-themes:

Sub Themes

The various sub themes listed below offer wider scope for deliberations.

1. Women status – Past & Present
2. Women & environment in Urban, Rural and Tribal society
3. Women Movements & Environment
4. Women empowerment and Science
5. Women & Health
6. Women and Violence
7. Women and politics

The Centre has received more than 49* research papers from the various departments of University as well as colleges from entire North Bengal on each subtheme.

All papers has been distributed in technical sessions as per subtheme.

Teachers from entire university departments, colleges of entire North Bengal, Research Scholar and students are attended the programme.

3.6 Research Activity in NBU:-

Research scholars are working on different aspects of Gender Studies such as “Women Street Vendors”, “Urban Lilelihood and water Resource”, “Women’s Literacy –inclusive sustainable development”, “Health Care and Women”, “Women & Rural Development”, “Transborder Migration and Security”, “Rural Industrialization & Women”.

3.7 Participarory Activities:-

- Members of CWS have taken active part by delivering lecture on “Women Studies, Sexual Harassment at Workplace: Nature, Law & Remedial Measures” on different occasions and different colleges.

4.0 PUBLICATION:-

Journal of Women's Studies Vol-VII – No-1, 2016 –ISSN -2320-3625 (ISSN number received on Jan 22, 2013) (in Press)

5.0 RESOURCES

5.1 People:-

As of 31st March, 2015, the following members constitute the existing manpower at the Centre for Women's Studies:

- i) Honorary Director: Dr. Sushma Rohatgi.
- ii) Project Officer: Dr. Beethika Moni Dutta (*on contractual basis*)
- iii) Peon: Shri Asit Singha (*on contractual basis*)

Besides Advisory Committee of CWS constituted by NBU. The following teachers and Officers are the members of the Advisory committee take parts in all the activities of CWS:-, Dr. Dalia Bhattacharya, Department of History, NBU, Dr. Shilpi Ghosh, Microbiology, NBU, Swagata Ghosh, Philosophy Dept. NBU and Dr Deepak Roy, Bengali Dept. NBU.

5.2 Material:-

The Centre occupies 700 sq.ft space in 3 bays in the Humanities building.

The Centre has acquired a LCD projector and laptop to facilitate presentation at seminar and workshops and in future for for M.phil students.

For effective documentation, the centre has acquired a camera which has been useful in documenting the various activities of women in North Bengal.

5.3 Documentation:-

- i. Books:- The CWS library presently houses 1379 books on Women's Studies covering different fields of Gender Studies were procured from the UGC fund.
- ii. 175 books have been purchased from RUSA fund.
- iii. Library also has charts and posters on Women related issues and paper cuttings are also preserved for scholars and students who visit the library for viewing and disseminating information.
- iv. For the preparation of "Gender Atlas of West Bengal/India" on GIS platform Super map GIS software has been procured and women scholars and students of NBU were given training .Now the digital information on women of West Bengal is available with CWS.
- v. Documentation of Handicrafts and traditional knowledge of women of North Bengal has been done. The Documentation work has been initiated in this financial year and will continue for the next financial year.

High Energy & Cosmic Ray Research Centre

1. Name of the Department: High Energy & Cosmic Ray Research Centre

2. Year of Establishment: 1991

3. Introduction of the Centre; The Centre has been established jointly by the University Grants Commission and the State Government of West Bengal under the program "Improvement of Research in the Universities".

The Centre is engaged in theoretical as well as experimental advanced research in different branches of High Energy Astrophysics and Astroparticles including Cosmic Rays.

4. Name of the Scientists:

Name	Designation
Dr. Samir K Sarkar	Jt. Sr. Scientific Research Officer
Dr. Arunava Bhadra	Sr. Research Physicist
Arindam Mukherjee	Sr. Research Officer

5. Name of research Scholars: Biplab Bijay, Tamal Sarkar, Arundhati Roychaudhuri, Prabir Banik, Jyotirmay Paul, Samrat Ghosh, Mohan Subba.

6. Name of the Project Scholars: Nil

7. Name of the Non-teaching staff:

Name	Designation
Sadhan Paul	Helper Gr. II

8. Students strength: N/A

9. Seminar/Conference attended

Name of the Scientist	Name of the Seminar/Workshop	Venue & Date	Title of the paper presented
Dr. A. Bhadra	Winter Workshop on Astroparticle Physics	Darjeeling, Dec 17-19, 2015	The puzzle of the cosmic ray knee

10. Seminar/Conference organized

Name of the Seminar / Conference	Date of the Seminar / Conference
International Conference on "Exploring the Relativistic Universe"	15-16 December, 2015

11. Publications

Title	Authors	Journal	Reference
Influences of Dark Energy and dark matter on Gravitational Time Advancement	Samrat Ghosh, Arunava Bhadra	Eur. Phys. J.	C75 , 494 (2015)
Newtonian analogue of static general relativistic space times	Subhrangshu Ghosh, Tamal Sarkar, Arunava Bhadra	Phys. Rev.	D92 , 083010 (2015)
Progenitor model of cosmic	Biplab Bijay, Arunava Bhadra	Res. Astron.	16,006

ray knee		Astrophys.	(2016)
A production scenario of Galactic strangelets and an estimation of their possible flux in solar neighborhood	Sayan Biswas, Arunava Bhadra, J.N.De, Partha S Joarder, Sibaji Raha, Debapriyo Syam	PoS	504, 1 (2016)

12. Research projects: None

13. Visiting fellow: Nil

14. Any other Information:

- i) Apart from the regular activities, Arindam Mukherjee, Sr. Research Officer, shouldered additional charge of the Headship of the Computer Centre with the request of the University authority.
- ii) On 16th December, under the supervision of Arindam Mukherjee, a session on 'Watching the Sun Spots' was presented by the Centre for participants of the International Conference entitled "Exploring the Relativistic Universe".
- iii) On 9th May 2016, another astronomical event, called 'Transit of Mercury' (in the background of Sun), was successfully observed with CGEM 1100 telescope of the Centre. Apart from the Scientists & Research Scholars of the Centre, few other interested persons also witnessed the event. The whole session was supervised by Arindam Mukherjee, the Sr. Research Officer of the Centre.

Centre of Floriculture & Agri-Business Management (COFAM)

**DEPT. OF BIOTECHNOLOGY
UNIVERSITY OF NORTH BENGAL**

Report has been compiled by Dr. Shilpi Ghosh, Department of Biotechnology, NBU.

WORKSHOP AND SEMINAR ORGANIZED:

SL. NO.	EVENT	PARTICIPANTS PROFILE	RESOURCE PERSON
1	Hi-Tech Horticulture: an opportunity for entrepreneur Date: 25 th Aug. 2015	Youths from different profession of North Bengal. (70)	Dr Ranadhir Chakraborty Mr. Sangram Mandal
2	Day workshop for grass root farmers on off-season vegetable crops under protected condition Date: 15 th Sep. 2015	Grass root farmers from Bhimbar of Bidhannagar of Darjeeling district. (40)	Dr Ranadhir Chakraborty Mr. Sanjay Rana Mr Ajit Pal
3	Organic Management of Quick return High value vegetable crops Date: 28 th Oct. 2015	Grass root farmers from aambari block of Jalpaiguri district (65)	Dr Randhir Chakraborty Dr.Papiya Bhattacharya Dr. Mahfooz Ahamad Dr. Dipanwita Saha
4	Hands on training on strawberry Date: 30 th Oct. 2015	50	Dr.Ranadhir Chakraborty Dr. Mahafouz Ahamad Dr. Papiya Bhattacharya
5	Hands-on training on mushroom spawn production Date: 8 th Dec. 2015	15	Mr.Yandup Lama
6	Hand-on training on vermicompost Date: 13 th Jan. 2016	30	Dr. Ranadhir Chakraborty

B.	EXTENSION ACTIVITIES		
1	Skill-Upliftment training program for the strawberry grower's of Mynaguri Block of Jalpaiguri district under N.H.M. (National horticulture mission) Date: 17 th March. 2016	Strawberry growers from mynaguri farmers club. (70)	Dr. Ranadhir Chakraborty Amrendra Pandey Mr. Shubasis Giri (DHO. Jalpaiguri)
2	Capacity building training programme on flower cultivation under N.H.M. (National Horticulture mission) Date: 25 th February. 2016	Flower grower from khoribari block of Darjeeling district (70)	Biplab Sarkar (DHO. Siliguri) Amrendra Pandey
3	Capacity building training program on flower cultivation under protected condition under N.H.M. (National horticulture mission)	Gerbera flower grower from phansideva and khoribari block of Darjeeling district (100)	Biplab Sarkar (DHO. Siliguri)

	Date: 18th Jan. 2016		
4	Awareness program on fish green fodder cultivation and allied services Date: 7th Oct. 2015	Fishermen from phansideva and khoribari block of Darjeeling district (110)	Fiseries deptment officials Amrendra Pandey
5	Training program on Vermicompost for employment generation of SHG'S Women from Matigara Block of Darjeeling district Date: 4th Oct. 2015	SHG's Women from Matigara block of Darjeeling District (70)	Govt. official from Central Bank of India Amrendra Pandey
6	Training program on vegetable cash crops cultivation under polyhouse for employment generation of SHG'S Women from Naxalbari Block of Darjeeling district Date: 26th Oct. 2015	SHG's Women from Naxalbari block of Darjeeling District (70)	Govt. official from Central Bank of India Amrendra Pandey
7	Hand-on training program on vegetable nursery production under R.K.V.Y. (Rastriye krishi vikas yojna) Date: 4th Nov.2015	SHG's women from Matigara and Naxalbari block (35)	W.B.C.A.D.C. (under panchayat and rural development department Govt. of West Bengal Officials Amrendra Pandey (COFAM)
8	Hand-on training program on Organic farming of vegetable under P.K.V.Y. (Paramparagat.krishi.vikas yojna) Date: 16th Aug. 2016	SHG's women from Matigara and Naxalbari block (35)	W.B.C.A.D.C. (under panchayat and rural development department Govt. of West Bengal Officials Amrendra Pandey (COFAM)
9	Capacity building training program on fruit orchard and vegetable cultivation Venue: Bagdogra Date: 17th Feb. 2016	SHG's women from Matigara and Naxalbari block (35)	Panchayat and rural development institute official Kolkata Dr. Ranadhir Chakraborty
10	Skill development training on Vermicompost production for self employment Date: 23rd March, 2016	SHG's women from and Naxalbari block(45)	W.B.C.A.D.C. (under panchayat and rural development department Govt. of West Bengal Officials Amrendra Pandey (COFAM)

C. Planting material production in the Financial year 2015-16

Sl. No	Crop	Nos	Method of propagation
1	Strawberry	15000	Runners (vegetative)
2	Tissue culture G-9 Banana	2000	Meristem culture
3	Dragon fruit plant	1000	Cutting
4	Seedless cucumber	1000	Seed germination in soil-less media
5	Coloured capsicum	500	Seed germination in soil-less media
6	Orchid	2000	Meristem culture
7	Mandarin orange	1500	Nucellar production
8	Red lady papaya	1500	Seed germination in soilless media
9	Maranta	1000	Cutting
10	Philodendron	500	Cutting
11	Aloe vera	200	Suckers separation
12	Tomato(Hbd.)	500	Seedling production in cocopeat media

D. Technology Standardized:

1. Standardize the colored capsicum production technology under low cost MS pipe structure covered with 50% green agro net.
2. Dragon fruit cultural practices and fertigation technology has been standardized

Demonstration in Farmer's Field: Cultivation under COFAM Surveillance:

Sl. No	Beneficiaries Name	Address	Target crop
1	Mr Sarajeet mondal	Jalpesh, Dist-Jalpaiguri	Strawberry
2	Mr. Shantimoy Roy	Goaltuli, Block-Phansideva	Strawberry
3	Mr. Safidul Rahman	Block-Phansideva Dist-Darjeeling	Broccoli and capsicum
4	Mr. Farooq Hussain	Block: Dhupguri Dist-Jalpaiguri	Dragon fruit
5	Mr. Gopal Biswas and mynaguri farmers club	Block- Mynaguri Dist-Jalpaiguri	Strawberry
6	Mr.Harendra singh	Ganganagar Siliguri	Strawberry
7	Mr. Sachin Mitruka	Ambari Dist-Jalpaiguri	Coloured capsicum Hybrid tomato Seedless cucumber
8	Mr Biplab Das	Coochbehar	Coloured capsicum
9	Mr. Hirendranath Burman	Aashighar Siliguri Dist-Darjeeling	Strawberry
10	Mr Chako Sebastian	Hansqua Bagdogra Dist-Darjeeling	Dragon fruit
11	Mr. Ashok Dey	Block-Phansideva Dist-Darjeeling	Strawberry
12	Mr Pavitra roy	Kanki Dist-Uttardinajpur	Red lady papaya
13	Ms.Vinita Choudhury	Mathabhanga Dist-Coochbehar	Coloured capsicum

A.EXTENSION WORK

Subject	Scheme	Implimenting Govt. Agency	Place	Technical association	Held in Month
Workshop on Strawberry cultivation practices and management	National Horticulture mission(N.H.M)	District Horticulture office, Jalpaiguri Govt. of West Bengal	Mynaguri Block, Dist- Jalpaiguri	COFAM N.B.U.	Feb. 2016
Hands-on training on vegetable nursery production under R.K.V.Y scheme	R.K.V.Y (Rastriya krishi vikas yojna)	West Bengal Comprehensive Area Development Corporation (W.B.C.A.D.C) Govt.of West Bengal	Naxalbari	COFAM N.B.U.	Aug.2015
Skill development training on vermicompost production under for self employment	N.R.L.M (National rural livelihood mission)	West Bengal Comprehensive Area Development Corporation(W.B.C.A.D.C) Govt. of West Bengal	Naxalbari	COFAM N.B.U.	Sep.2015
Workshop on flower (marigold & gerbera) cultivation under protected condition.	National horticulture mission(NHM)	West Bengal Comprehensive Area Development Corporation (W.B.C.A.D.C) Govt. of West Bengal	Naxalbari	COFAM N.B.U.	Oct.2015
Hands –on training on organic farming to SHG women from Naxalbari and Matigara block of Siliguri mahakuma parishad	P.K.V.Y (Paramparagat Krishi Vikas Yojna)	West Bengal Comprehensive Area Development Corporation (W.B.C.A.D.C) Govt. of West Bengal	Naxalbari	COFAM N.B.U.	Oct.2015

B. SEEDLING PRODUCTION

Orchid	2000
Mandarin orange	1500
Colored capsicum	4000
Strawberry	15000
Tissue culture G-9 Banana	2000
Dragon fruit plant	1500
Red lady papaya	1500
Seedless cucumber	1000

C. SEMINAR/WORKSHOP ORGANIZED

SUBJECT	No of Participants	Venue	Held in Month
Hi-tech horticulture : an opportunity for entrepreneur	70	COFAM	AUG,2015
Organic management of high value quick return Vegetable crops	80	COFAM	Sept,2015
Hands on training on Strawberry	50	COFAM	Oct,2015
Hands on training on Vermicompost	30	COFAM	Nov,2015
Hand on training on Mushroom spawn production	15	COFAM	Feb,2016

D. SUCCESS STORIES OF THE ENTREPRENEURS TRAINED IN COFAM:

Entrepreneur name	PLACES	CROP
Mr. Gopal Biswas	Mynaguri	Strawberry
Mr Surojit Mondal	Mynaguri	Strawberry
Mr Sachin Mitruka	Aambari	Seedless cucumber
Mr biplab das	Coochbehar	Coloured capsicum
Mr Farooq hussain	Dhupguri	Dragon fruit
Mr. Chako Sebastian	Bagdogra	Dragon fruit
Mr. Ashok dey	Kanki	Red lady papaya
Ms. Vinita Choudhury	Mathabhanga	Coloured Capsicum

**Picture Gallery DEPICTING TRANSFER OF
TECHNOLOGY FROM COFAM TO LAND**



ফলছে ক্যালিফোর্নিয়ার সুইট চার্লি স্ট্রবেরি, উত্তরে এবার ড্রাগন ফুটও



rishi Karna at Uttar Banga sambad on-08.07.15

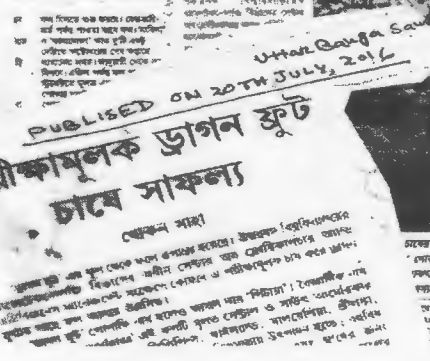
জলদি চাষে লাভজনক ফল ও সবজি চাষ

সৌকম সাহা

জলদি চাষে বেশি লাভজনক ফল ও সবজি চাষের উন্নয়ন প্রদর্শন করল উত্তরবঙ্গের বিদ্যুত্বিদ্যালয়ের বায়োটেকনোলজি বিভাগের সেক্টর অফ কনট্রোলার অ্যান্ড এগ্রি বিজনেস ম্যানেজমেন্ট (জলকল) এবং অ্যাসোসিয়েট অফ ওনজারমেন্ট অ্যান্ড ট্রেনিং।

পরিষ্কৃত করা যায় সেই লক্ষ্যেই মাসারিক এবং কীটনাশক ফলন করে ফল ও সবজি চাষের উন্নয়ন গ্রহণ করা হয়েছে। এতে পর্যবেক্ষণে বিজ্ঞান খণ্ডে খণ্ডে আলাদাভাবে হয়েছে অ্যাসোসিয়েট অফ ওনজারমেন্ট অ্যান্ড ট্রেনিংয়ের কো-অর্ডিনেটর দ্বারা বসু।

সহায়তা, তারা ইত্যাদি সবকিছু ফেলে দিয়েছে। এদের জন্য একটি পোল্ডার করে চাষ করার জন্য জেন পান, বায়োটেকনোলজি প্রকৃতির পদ্ধতিতে প্রাণীর পিউউল সম

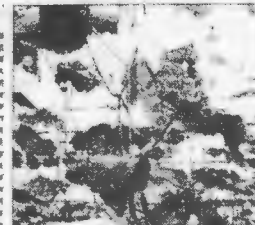


১৫ উত্তরবঙ্গ সংবাদ, ১৪ জুলাই ২০১৬



কৃষিকার্ম

বিশেষ প্রজাতির শসা চাষে সাফল্য



শসা চাষে সাফল্য প্রদর্শন করেছেন উত্তরবঙ্গের বিদ্যুত্বিদ্যালয়ের বায়োটেকনোলজি বিভাগের সেক্টর অফ কনট্রোলার অ্যান্ড এগ্রি বিজনেস ম্যানেজমেন্ট (জলকল) এবং অ্যাসোসিয়েট অফ ওনজারমেন্ট অ্যান্ড ট্রেনিং।

এতে উত্তরবঙ্গের বিদ্যুত্বিদ্যালয়ের বায়োটেকনোলজি বিভাগের সেক্টর অফ কনট্রোলার অ্যান্ড এগ্রি বিজনেস ম্যানেজমেন্ট (জলকল) এবং অ্যাসোসিয়েট অফ ওনজারমেন্ট অ্যান্ড ট্রেনিং।

Centre for Studies in Local Languages & Cultures

1. Name of the Department : Centre for Studies in Local Languages & Cultures
2. Date of Establishment : 2001
3. Introduction of the Department : Centre for Studies in Local Languages & Cultures
4. Name of the Director : Dr. Nikhilesh Ray, Director (Honorary)
5. Name of the Research Scholars : NIL
6. Name of the Project Scholars : NIL
7. Name of the Non-Teaching Staff :

Name	Designation
Jolly Majumder	Project Assistant (Casual)
Chandan Mallick	Peon (Casual)

Organized Seminar/Conferences:

Name of the Seminar/Conference	Date of the Seminar/Conference
1. International Seminar on “ Manishi Thakur Panchanan Barma Janma Sardha satabarsha Udjapan Committee” at, Conference Hall,University of North Bengal, organized by Thakur Panchanan Smarak Samity, Siliguri & CSLLC, NBU	18-19 September, 2015
2. Rajbanshi Sahitya Utsab collaboration with Rajbanshi Bhasa Academy, West Bengal	18-19 December 2015
3. Workshop on RAJBANSHI-BANGLA-ENGLISH DICTIONARY PROJECT.In collaboration with CIIL, Mysore.	10. 15 January to 21 January, 2016.
4. Workshop & Trainings Programme on ANUBAD KARMASHALA, In collaboration with CIIL, Mysore	25 January to 29 January, 2016.
5. 21 se Smarak Baktrita Speaker :- Kinrar Roy & Pulin Das	22 February 2016
6. Panchanan Smarak Baktrita, Speaker :- Prof. Pradipjyoti Mahanta, Tezpur University	9 March 2016
7. International Seminar on ‘Aancholik Bhasay Sahityocharcha : Samosya o Sambhabona’ Conference Hall,University of North Bengal	10-12 March 2016,
8. Aanchalik Sahitya Pather Asor, at Rabindra-Bhanu Manch	21 March 2016
9. Folk Festivals, at Rabindra-Bhanu Manch	22-23 March 2016

Publication:

Name of the Author	Name of the Book/Journal/Volume	Year of Publication
Editor- Dr. Nikhilesh Ray	JOURNAL (Bairati) Volume-IV	2015



CHAPTER - IV

UGC SPONSORED CENTRES

Internal Quality Assurance Cell (IQAC)

The Office of the Internal Quality Assurance Cell (IQAC) of University of North Bengal was established on 10th July 2003. At present, the Cell has thirteen members with the Vice-Chancellor as the Chairperson and the Director-member Secretary as the Coordinator of IQAC.

One of the important functions of IQAC is to develop realistic and attainable quality bench marks for each of the academic and administrative activities. One of the most critical functioning of IQAC is to keep the institution abreast of and abuzz with quality sustenance activities on a wide gamut of pertinent issues.

IQAC Cell

1	Professor Somnath Ghosh, Hon'ble Vice-Chancellor, University of North Bengal.	Chairperson
2	Professor Amitabha Mukhopadhyay, Dean, Faculty Council for PG Studies in Science, University of North Bengal.	Member
3	Professor P. R. Sengupta, Dean, Faculty Council for PG Studies in Arts, Commerce & Law, University of North Bengal.	Member
4	Professor Ananda Mukhopadhyay, Department of Zoology, University of North Bengal.	Member
5	Professor Soumitra De, Department of Political Science, University of North Bengal.	Member
6	Professor R. K. Samanta, Department of Computer Science & Application, University of North Bengal.	Member
7	Professor Prabir Kumar Sarkar, Department of Botany, University of North Bengal.	Member
8	Professor Usha Chakraborty, Department of Botany, University of North Bengal.	Member
9	Registrar (Officiating), University of North Bengal.	Member
10	Professor Dipak Ranjan Mal, Department of Chemistry, Indian Institute of Technology, Kharagpur.	Member
11	Professor Anup Sinha, Indian Institute of Management, Kolkata-700104.	Member
12	Sri Goutam Deb, Minister-in-Charge, North Bengal Development Department, Govt. of West Bengal, Siliguri	Member
13	Professor Swapan Kumar Saha, Department of Chemistry, University of North Bengal.	Director, IQAC & Member Secretary

IQAC is supported by the following Office Staff

Sri Nilkantha Biswas.

Major activities/responsibilities undertaken during 2015-16:

1. Sixteen CAS meetings of the IQAC Cell have been organised during 2015-16. The Recommendations of the meeting have been implemented.

2. IQAC has conducted meetings of different sub-committees for calculation/verification of API score of the teacher applicants and applications of others academic staff of the University for promotion under CAS.
3. IQAC has also calculated API for Direct Requirement for Professors / Associate Professors.
4. IQAC has implemented Students' Feedback System on Teacher's Performance and teaching & Learning System.
5. IQAC prepared provisional Quality Benchmarks for Department & Offices.
6. IQAC has conducted **"SAKSHAM"**

CHAPTER – V

CENTRAL SERVICES

The Akshaya Kumar Maitreya Heritage Museum

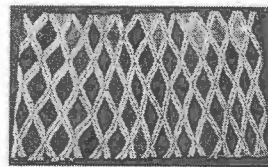
The A.K.M.H. Museum which had a humble beginning in 1965, now legitimately can take pride in its substantial collection of stone and metal images, terracotta works, coins, manuscripts etc. Majority of such collections belong to the period between 8th Century and 12th Century through even older pieces are also in the possession of the Museum. The Museum at present has emerged as one of the favored destinations of scholars, researchers and students. Scholars from different parts of India and some even from China, Bangladesh, Srilanka, Japan, Taiwan and other countries now visit the Museum.

Recent Important Acquisitions:

The Akshaya Kumar Maitreya Heritage Museum of North Bengal University has received the following artifacts during the period of 2015-2016.



Constantinople Coin
Donor : Indrajit Chakraborty
London



Nakshi Kantha
Donor : Pranab Kumar Bhowmick
Alipurduar



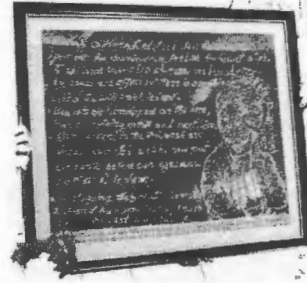
Muslim Coin
Donor : Bijan Chatterjee
Shivmandir, Kadamtala



Handmade Fan
Donor : Pranab Kumar Bhowmick
Alipurduar



Weight Manager
Donor : Biren Karmakar
Naxalbari



A portrait of Swami Vivekananda by Nail
Painting
Donor : Ajay Sarkar
Siliguri

Workshop / Exhibition Programme :

The AKMH Museum has been organized an Archeological Photography Exhibition on Fascinated by the Orient : Life and Works of Sir Aurel Stein in collaboration with 'Indira Gandhi National Center for The Arts', New Delhi at Faculty Club, University of North Bengal from 2nd March to 15th March 2016.

A good number of Academicians & Scholars from different parts of North Bengal have attended the above programme.

Seminar / Conference attended:

Superintendent (Technical) of the Museum Mr. F. Rahaman had attended All India Museum Associations Conference at Chennai organized by Advance Research in Conservation, Heritage, Excavation, Museum and Inscriptions Society of Tamil Nadu and presented a paper on **“Role of Archaeology in the Development of Museum Movement in India”**.

Visitors:

A large number Indian and Foreign visitors, scholars, academicians, University, College & School students have visited the Museum during the period under consideration. A group of Research Scholars & Students of BLIS / History Department and also students from the various schools visit the Museum and prepare their database for project work. During this period (April, 2015 to March, 2016) more than 8,000 visitors came to the Museum.

Publications :

1. Catalogue Part III for Coins of early Indian, British India and Native States etc. with photographs prepared by Prof. P.K. Bhattacharyya & F. Rahaman (in press).
2. Catalogue Part IV for Coins of Medieval India by Prof. P.K. Bhattacharyya & F. Rahaman (Manuscript already ready for printing).

Computer Centre

1. Name of the Department: Computer Centre
2. Date of Establishment : 1983 (UGC Reference F.55-5/83(T-II) dated 16.4.1983)
3. Introduction of the Department : The Computer Centre, University of North Bengal, an important central facility of this University (established in April, 1983 UGC Reference F.55-5/83(T-II) dated 16th April 1983) has been providing different services to the University for its internet and computing infrastructural support and services relating to teaching, training and research.

Although initially both the computer centre and computer science and application were functioning as a single entity, from 28th May, 2001 they appeared as two separate entity with functioning of the independent Head for Computer Centre, NBU.

4. Name of the Faculty: NA
5. Name of the Research Scholars: NA
6. Name of the Non-Teaching Staff: The existing staff position of the Centre for the period 2015-2016.

Designation	Name
Head	A.Mukherjee (in additional charge)
Computer Operator (Jr.)	Ratan Kr. Das
Key Punch Operator	Rajendra Nath Saha
Jr. Peon	Vacant from May 2015

For detail information regarding the vacancy, no of approved post etc. pl. vide the letter of Registrar (Acting) bearing ref. No. 2382/R-11 dated 3rd June 2011.

7. Student Strength: NA
8. Seminar/ Conference attended (outside the country & within the country): None
9. Organized Seminar/Conferences: *None*
10. Publication: None
11. Research Projects (Major & Minor): None.
12. Visiting Fellow: NA
13. Any other information:

A. *Provided ICT Infrastructural Support at the venue for holding e-counseling of the Joint Entrance Examination 2016 held during 25th June to 16th July 2016 at NBU Campus.*

B. *Provided technical and infrastructural support for holding Campus Selection Process for MBA final year students of batch 2014-2016 at Computer Lab of the Centre during 19th & 20th January 2016.*

C. *Provided Technical and Laboratory infrastructural support for holding one day (on 15-09-2016) online recruitment test for the students of Computer Centre & Application as conducted by the company named 'Fresher World'.*

D. *The NPTEL open courseware archive had been developed at the Centre and to avail the facility of having readymade video course works, different departments with detail listing of the available courseware was intimated during October 2015.*

E. *Provided technical and Machinery support for holding B.Sc in Software Systems/Information Technology First, Second & Third Year Examination, 2015, held at Computer Centre, NBU during 14th - 16th September 2015.*

F. The activities of the Centre also include:

- (i) Installation of licensed software versions at various departments, Branches and Centres under University of North Bengal (on written requisition).
- (ii) Formatting and up gradation of the operating systems and other licensed software versions etc. (on written requisition).
- (iii) Minor maintenance of the Computers (on written requisition & if it is attached with basic software malfunction for inappropriate configuration etc.).
- (iv) Extension of new connectivity to meet the requirement of better teaching, research and office management (on written requisition)
- (v) Extension of support to the Departments/Centres for infrastructure with short term loan of printers, projectors etc.: The loans for such items have been considered for specific requirement basis and with prior approval/Office order as issued by appropriate authority and subject to availability of the item(s).
- (vi) *Maintenance of LAN*: The Centre had been organizing the maintenance of the University LAN and related accessories for providing uninterrupted Internet facilities to the users.

OFFICE OF THE UNIVERSITY ENGINEER

❖ CONSTRUCTION & DEVELOPMENT WORK AT N.B.U. FOR THE YEAR 2015-2016

Sl No.	Year	Name of the Project	Project Cost	Funding Agency	Remarks
1	2015-16	“Thorough renovation of P.G. Boy’s & Girl’s hostels, Law Hostel, R.S. (Men) hostel etc. including installation of Chimneys”	Rs. 3,90,05,317=00 Rs. 12,47,378=00	State Govt. fund. & Chimneys from RUSA Fund	Work is completed
2	2015-16	“Improvement of road by Mastic asphalt”	Rs.1,87,50,095=00	State Govt. fund. +D.I.F. (in anticipation of State Grant)	Work is completed
3	2015-16	“Fixing of LED street lights”	Rs. 52,31,992=00	RUSA Fund	Work is completed
4	2015-16	“Horizontal extension of (2 floor) political Science Deptt. building”	Rs. 51,54,466=00	U.G.C XII plan General Development Fund & State Grant	Work is in progress
6	2015-16	“Vertical extension (2 nd & final floor) of Law Deptt. building”	Rs. 1,14,87,091=00	U.G.C XII plan General Development Fund as per the decision N.B.U.D.B. meeting on 10 th Aug. 2016. Agenda no. 1,(i)	Work is in progress

University Library

1. Name of the Department : University Library
2. Year of Establishment : 1962
3. Library Hours : 10 a.m. to 5.30 p.m.
4. Library Service Open : Monday to Sunday (7 days except holidays)
5. Carpet Area (with Annex) : 2662.61 sq. mtr. + 445.52 sq. mtr.=3108.13 sq. mtr.
6. Total Collection (as on 31.03.2016) : 2,78,503
7. Name of the Officer (during the Financial Year 2015-2016) :

Sl. No.	Name	Designation
1	Sri BrindabanKarmakar	Joint Librarian& Librarian (In-Charge)
2	Sri Shubhrangshu Kumar Mistri	Assistant Librarian
3	Sri SantanuChanda	Assistant Librarian (for Law Library)
4	Sri ManashEsh	Information Scientist

8. Library Access: Open Access & Closed Access
9. Library Security system : Manual Security & CCTV systems
10. Institutional Membership : IASLIC, ILA, BLA, American Library (Partial) BCL & DELNET
11. Status of Automation : Automated Database(partial)
12. Library Software : SOUL 2.0
13. Membership of Library Network : INFLIBNET
14. Library Consortia : UGC INFONET CONSORTIUM
15. Library Web Portal (local) : <http://10.10.2.100/opac/opac.asp>
: <http://10.10.2.1/webopac/main.aspx>
16. Website : www.nbu.ac.in

17. Library Statistics (during the Financial Year 2015-2016) :

Sl. No.	Particulars	2015-16 (as on 31.03.2016)
	Total number of documents accessioned	2,78,503
I	Text Books	2,25,208
II	Reference Books	8,550
III	Rare Books	648
IV	Bound Periodicals	37,145
V	Theses	1,423
VI	Non—Print Materials	1,049
VII	Census	2,350
VIII	Reports	1,769
IX	Gazetters	180
X	Debates	201

18. Total number of documents added (during the Financial Year 2015-2016):

2015-16
6,509

19. Total expenditure for subscription of current Journals / Periodicals subscribed (during the Financial Year 2015-2016):

Session	Amount
2015-16	₹ 83,88,470.00

20. Total number of current journals/periodicals subscribed (Financial Year 2015-2016):

Sl. No.	Journals	2015-16 (as on 31.03.2016)
I	Indian	539
II	Foreign	135
Total number of Journal Purchased		674

21. Total number of E-Journals / E-Periodicals available on On-line through UGC-INFONET Digital Library Consortium (during the Financial Year 2015-2016): More than 8,500

22. *Creation of computerized membership database (during the Financial Year 2015-2016)* : The computerized membership database of all members of the University Library is being going on along with provision of barcode.

23. *Total number of Data entered in the SOUL Database (during the Financial Year 2015-2016):*

Total No. of copies : 2,40,720

24. *Contribution to Union catalogue of INFLIBNET (during Financial Year 2015-2016)* : The university library has contributed data of 2,00,400 documents with bibliographical details.

25. Book budget (during the Financial Year 2015-2016):

Grant	2015-16
UGC Grant	₹ 51,30,000.00
SAP	₹ 9,30,000.00
Others	₹ 11,89,570.00

26. Total number of students' members :

2015-2016	2457
------------------	------

27. Total number of other members :

2015-2016	679
------------------	-----

28. Average issue/return of books (daily) :

2015-2016	257 (approx.)
------------------	---------------

29. Average number of members visited daily in the library :

2015-16	150 (approx.)
----------------	---------------

30. Seating capacity the library:

2015-2016	150
------------------	-----

31. **LIBRARY SERVICES :**

- i. Bibliographic Service
- ii. Reference Service
- iii. Information Service

- iv. Reprographic Facilities
- v. Internet Facilities
- vi. Online Access to Selected Journals through UGC-INFONET
- vii. Database Search through INFLIBNET
- viii. Study and Research Support Service
- ix. Information Hub for Students, Teachers & Research Scholars
- x. Journals of National and International repute
- xi. Provision for Accessing the Rare Books
- xii. Lending facilities for books
- xiii. After processing the documents are being sent regularly to Seminar Libraries as required
- xiv. Display of Information regarding arrival of Books and Journals
- xv. OPAC and Web OPAC
- xvi. Career Guidance Service
- xvii. Resource Sharing/Inter Library Loan
- xviii. Reading facilities to Retired Teachers
- xix. User Orientation
- xx. Facilities for other colleges & Research Organizations
- xxi. Services extended to Jalpaiguri Campus

University Science Instrumentation Centre (USIC)

1. **Name of the Department:** University Science Instrumentation Centre, North Bengal University, Darjeeling – 734013
2. **Date of Establishment:** 1978
3. **Introduction:** University Science Instrumentation Centre (USIC) was established in 1978. It is a Level-II centre and renders services to the different departments of the University in terms of Maintenance, Repairing and Fabrication of scientific equipments. The Centre broadly runs as per UGC guidelines.

4. **Name of the Officers with designation (Session: 2015-2016)**

Sl. No.	Name	Designation
1.	Dr. Malay Kumar Das (w. e. f. 22.02.2013)	Head (Hony.)
2.	Mr. Gautam Sarkar	Technical Officer-II
3.	Mr. Tamal Sarkar	Technical Officer-I

- **Vacant Post: Officer-02** (Reference: F/MIS/45/2016/1026/FO-16, Dt:12-7-2016)

5. **Name of the Research Scholars:** Nil

6. **Name of the Project Scholars:** Nil

7. **Name of the Non-Teaching Staff (Session: 2015-2016)**

Sl. No.	Name	Designation
1.	Ranjit Kumar Talukdar	Technical Assistant Grade-I
2.	Dr Biswajit Dutta	Junior Computer Operator
3.	A. Chettri	Senior Mechanic
4.	Harish Misra	Record Keeper
5.	Rajib Das	Office Assistant (Contractual)
6.	Krishna Roy	Group –IV (on daily wage basis)

- **Vacant Post: Non-Teaching -13**(Reference: F/MIS/45/2016/1026/FO-16, Dt:12-7-2016)

8. **Students Strength:** Nil (Not a PG Study department)

9. **Seminar/Conference attended (Outside the country & within the Country) :**

Name of the Teacher/ Officer	Name of the Seminars/ Conference	Venue & Date	Title of the paper presented
Tamal Sarkar & Gautam Sarkar	Science in Bengal, Satellite Conference	University of North Bengal, June 3-4, 2015	-----
Tamal Sarkar & Gautam Sarkar	Workshop on National Mission on Education through ICT	NIT Sikkim, June 26-27, 2015	-----
Tamal Sarkar	UGC Sponsored Seminar entitled “ Digital India: Higher Education Scenario: Issues, Challenges and Prospects”	Rabindra Bharati University, Kolkata, August 22-23, 2015	Need of Virtual Classroom to enhance the quality of open mode of learning: an emerging form of

			Education
Tamal Sarkar	National Conference on Current Issues in Cosmology, Astrophysics and Higher Energy Physics (CICAHEP)	Dibrugarh University, November, 2-5, 2015	Generalized Pseudo-Newtonian potential for Kerr Black Holes
Tamal Sarkar	Exploring the relativistic Universe	High Energy & Cosmic Ray Research Centre	Generalized Pseudo-Newtonian potential for SDS Black Holes
Tamal Sarkar	UGC Sponsored National Seminar on Changing Dimensions of concept of legal systems	University of North Bengal, June 3-4, 2015	-----
Tamal Sarkar	National Conference on Contemporary issues in High Energy Physics	University of North Bengal, June 3-4, 2015	-----

10. Organized Special Lecture/Seminar/ Conference:

Name of the Seminar/Conference	Date of the Seminar/Conference	Topic

11. Publication:

Name of the Author	Name of the BOOK/Journal/Volume	Year of Publication
Tamal Sarkar , Arunava Bhadra, Shubhrangshu Ghosh	<i>Newtonian analogue of static general relativistic spacetimes: An extension to naked singularities.</i> Physical Review D 10/2015; 92(8). DOI:10.1103/PhysRevD.92.083010	2015
Tamal Sarkar , Shubhrangshu Ghosh, Arunava Bhadra	<i>Effects of dark energy and flat rotation curve on the gravitational time delay of particle with non-zero mass.</i> European Physical Journal C 03/2016; 76(7). DOI:10.1140/epjc/s10052-016-4252-0	2016
Shubhrangshu Ghosh and Tamal Sarkar and Arunava Bhadra	<i>Exact Relativistic Newtonian Representation of Gravitational static Spacetime Geometries.</i> The Astrophysical Journal 01/2016; 828(1).	2016
Tamal Sarkar , Manash Esh	<i>Require of cooperative learning network through virtual course and general edification platform for open education in India,</i> The Online Journal of Distance Education and e-Learning, http://tojdel.net/journals/tojdel/articles/v04i01/v04i01-05.pdf	2016

12. Research Projects (Major & Minor): Nil

13. Visiting Fellow: Nil

14. Any other information: Regular activities by the Department: A summary of the works undertaken and serviced successfully (Repair, Fabrication, Design, Installation, Up-gradation etc.) by the USIC during the session:

Sl No	Month & Year	No of Jobs	Break up Jobs under different Categories			
			Desktop	Laptop	Electronics & Electrical	Mechanical
1	APR '15	18	6	4	8	0
2	MAY '15	21	4	0	15	2
3	JUN '15	13	4	4	5	0
4	JUY '15	22	14	3	5	0
5	AUG '15	19	7	2	8	2
6	SEP '15	29	7	3	19	0
7	OCT '15	16	1	3	12	0
8	NOV '15	41	12	1	28	0
9	DEC '15	11	4	3	4	0
10	JAN '16	13	1	1	11	0
11	FEB '16	53	15	2	36	0
12	MAR '16	46	10	3	33	0
		302	85	29	184	4

The University Press

University Press, University of North Bengal, was established in the year 1972 with the objective of Printing & Binding of articles of various academic and administrative departments mainly Examination related works.

As per statutes, the superintendent of the University Press shall be a whole time officer under the administrative control of the Controller of Examinations and shall perform such other functions as may be assigned to him by the Controller of Examinations. The Vice-Chancellor may also assign any job to him from time-to-time in connection with Printing & Publications.

University Press started its journey in a hall with mono color Letter Press machine, cutting machine and accessories. With passing of time, various machines were installed with the change of technology like Ruling machine, Motor driven letter press, single color 2 cylinder baby Offset machine, Desktop Exposing machine, B/W Printers, single color DFC/Demy size Offset machine, Color Printers, Folding machine, Perfect Binding machine, Micro Perforating machine, etc.

Though in early years Press used to do the work of Controller of Examination in major but in later years it expanded its job periphery. Presently North Bengal University Press has been successfully engaged in printing Annual Journals of various departments like Center for Local Language, Hindi, Commerce, Philosophy, Law, Anthropology, Nepali Academy, DLLE, Sociology, History, Economics, Political Science, Center for Women Studies, Botany, Zoology, Botany, Chemistry, Center for Himalayan Studies and Geography besides printing of routine jobs, prospectus of different courses, abstracts and other materials of seminars being conducted here and different reports and newsletters. University press has successfully delivered Print materials of various International and State Level Seminars and Congresses held at NBU. University Press has also supplied couple of time the Print materials to Cooch Behar Panchanan Barma University, formed in the year 2013-14.

Presently University Press building has 3 blocks as mentioned below :-

- i) Office & Store block – 3450 Sq.ft.
- ii) Printing & Compose block – 1700 Sq.ft.
- iii) Binding & Store Room – 3450 Sq.ft.

Part – II

University Press having the following sections:

- 1) Press-Press Section
- 2) Press Section
- 3) Post-Press Section
- 4) Office

Pre-Press Section

The main function of this section is to Compose, Page Setup, Designing and handling printers for multi-color jobs. This section is equipped with Computer & Printers for DTP jobs and also with Type Leads for hand composition. Presently at University Press there is 4 (four) Color printers, 5 (five) B & W Printers, 1 (one) Scanner and 4 (four) Desktop PC. This section is managed by :-

- 1) Section Holder
- 2) Compositor
- 3) Proof Reader

Press-Section

This section mainly deals with Printing and is done through Offset Printing machine and Letter Press machines. Most of the black & white or single color job are printed by Offset Printing machine whereas the loose sheet of Examination & Envelope are printed at Letter-Press machine. This section consists of five (5) number of Offset machine from size 10" x 15" to 18" x 27" and three Letter Press machine. This section is managed by :-

- 1) Sr. Machineman
- 2) Jr. Machineman
- 3) Press Attendant

Post-Press Section

This section is dedicated for finishing the job work like binding, cutting, perforation, numbering, stitching, Laminating, etc. This section consists of one number Single Clamp Perfect Binder machine, two Stitching / Wire machine, two Cutting machine, one Micro-Perforating machine and one Laminating machine. Hard binding, Register Binding, Pad binding, Spiral binding, etc. are done here. This section is managed by :-

- 1) Sr. Binder
- 2) Jr. Binder
- 3) Press Attendant

Office

This section looks after the administrative part of press including requisition & purchase of materials, arranging repairing works, office-correspondents, material handling, job receive and docketing, etc. All above sections are under the control of the Superintendent, University Press. Asstt. Superintendant assists Superintendant for his/her various activities.

Part – III

List of jobs done at University Press.

- 1) Answer Scripts (PG & UG) of Examination branch.
- 2) Loose Sheets (PG & UG) Examination branch.
- 3) Various Forms, Challans, Fee Book
- 4) Registers, Vehicle Stickers, Letter Heads, Diary and Calendars.
- 5) Various Reports like Annual Report, Annual Accounts, Budget, etc.
- 6) Study material of Directorate of Distance Education, NBU.
- 7) Placement and Information Brochures and Souvenirs.
- 8) Greetings Card, Display Card and Invitation Card of Workshops and Seminars.
- 9) Journals of various departments.
- 10) Books.
- 11) Certificates.
- 12) Visiting Card, Identity Card, Vehicle Stickers, etc.
- 13) Printing materials for various National & International Seminars.

Part – IV

Valuation System was introduced in the year 2001-2002 for all jobs of various departments to be done at University press. Every job are charged as per the rate approved in the meeting of the Executive Committee, dated 06/03/2002 under the heads: a) Material Consumed b) Printing & Binding.

The rates are as follows :

PARTICULARS	EXISTING RATE
COMPOSING CHARGES	
Plain compose upto A4 size	Rs. 21.00 (/Page)
Plain compose upto Legal size	Rs. 35.00 (/Page)
Job composing upto A4 size	Rs. 42.00 (/Page)
Job composing upto Legal size	Rs. 63.00 (/Page)
MASTER MAKING CHARGES	
Charges of Master	Rs. 10.00 (/Page)
Charge of Laser Printing	Rs. 10.00 (/Page)
PRINTING CHARGES	
Black Ink	Rs. 35.00 (Per 1000)
Coloured Ink	Rs. 42.00 (Per 1000)
4-Color job	Rs. 216.00 (Per 1000)
Laser printing A4 size	Rs. 5.50 per copy
BINDING CHARGES	
Register Binding (upto 250 pages)	Rs. 21.00 each
Register Binding (250-500 pages)	Rs. 28.00 each
Examination Loose Sheets (U.G.)	Rs. 49.00 per 1000
Examination Answer Scripts (U.G.)	Rs. 245.00 per 1000
Spiral Binding (upto 100 pages)	Rs. 30.00 per book
Lamination A4 size (New inclusion)	Rs. 10.00 per copy

List of employees deployed at the University Press.

Category and Section	Designation	Name
Officer	Superintendent (Acting)	Dr. Minakshi Chakraborty
Non-Teaching Employee		
(Office)	Assistant Superintendent	Mr. Indraneel Roy
	Sr. Peon	Mr. Motilal Murmu
(Compose Section/ Pre Press)	Section Holder	Mr. Naresh Ch. Roy
	Section Holder	Mr. Debasish Chakraborty
	Compositor (Daily Wage)	Mr. Dil Bahadur Thapa
(Printing Section/ Press)	Offset Machineman (Contractual)	Mr. Kamalendu Mallik
	“	Mr. Amit Kr. Gupta
	“	Mr. Bimal Das

	“	Md. Malek Hossain
	Machineman (Gr-C, Daily Wage)	Mr. Chandan Singha
(Binding Section/Post Press)	Sr. Press Attendant	Mr. Bidhan Rai
	Jr. Peon	Mr. Anup Ghosh
	Press Helper (Gr-D, Daily Wage)	Mr. Sunil Singha
	Press Helper (Gr-D, Daily Wage)	Mr. Prabhat Nag
	Press Helper (Gr-D, Daily Wage)	Mr. Ajay Das
	Press Helper (Gr-D, Daily Wage)	Mr. Premananda Ghosh
	Press Helper (Gr-D, Daily Wage)	Mr. Atindra Das
	Press Helper (Gr-D, Daily Wage)	Mr. Jagannath Singha
	Press Helper (Gr-D, Daily Wage)	Mr. Pranab Singha
	Press Helper (Gr-D, Daily Wage)	Mr. Naba Kr. Majumdar
	Press Helper (Gr-D, Daily Wage)	Mr. Motilal Singha

Vacant Post :

- i) Superintendent, University Press : Officer (1 No.)
- ii) Compositor : Non-Teaching Employee (2 Nos.)
- iii) Jr. Machineman : Non-Teaching Employee (2 Nos.)
- iv) Jr. Binder : Non-Teaching Employee (2 Nos.)
- v) Jr. Press Attendant : Non-Teaching Employee (1 No.)

Correspondence:

Superintendent (Acting)
University Press, University of North Bengal,
Raja Rammohunpur, Dist. Darjeeling,
PIN – 734013.
Ph. 0353-2776384

CHAPTER – VI

SERVICES AND AMENITIES

BASIC FACILITIES FOR WOMEN

UGC Merged Scheme

Co-ordinator : Prof. (Dr.) Manjula Bera

Introduction & Activities of the Scheme

Basic Facilities for Women, UGC Merged Scheme has been commenced on the 14th January, 2009. Under this scheme 2 (two) common rooms, one for the Girl Students and another for Lady Teachers of this University, in the Second Floor of the Humanities Building have been provided for refreshment and recreation.

The facilities which are provided in the Common rooms are as follows:

1. A bed for the sick person
2. First-Aid Box with necessary medicines & items
3. One Carom Board
4. Two Chess sets
5. Two sets Chinese- Checker
6. Two Colored Televisions with table
7. Three Computers with tables
8. Two Refrigerators
9. One Aqua guard for drinking Water
10. Two Mirrors
11. 40 nos. Steel Armed Chairs
12. 10 nos. Steel framed Tables

Every working day girl students use the rooms for refreshment and recreation. They play the Carom, Chess, and Chinese Checker etc.

One Lady Attendant (purely temporary) takes care the above mentioned things, necessities of the girl students and sick girls also during the working hours.

Usually during the whole year the girl students of the Bengali Department avail more the facilities of the room. Because, the room is very close to the department. But during the Annual Examination of P. G. Courses maximum girl students of other departments avail full facilities from here.

The Centre for Women Studies, NBU sometimes use this room as a venue for the Seminar, Certificate Courses etc. For this girl students participate the said programs much more.

University use this room as a venue for Competitive Examinations like BSF, JEE etc. minimum two times during the whole year.

Centre for Differently Abled Persons

1. **Name of the Department: CENTRE FOR DIFFERENTLY ABLED PERSONS**

2. **Date of Establishment: Year of Establishment 2005**

3. **Introduction of the department:** In the vast region of North Bengal, it is the only Centre for Differently Abled Persons (CDAP) of the University of North Bengal for the differently abled students/employees. The Centre focuses on the redressing issues of discrimination and exclusion of differently abled persons primarily students and employees of the University of North Bengal. The Centre by its activities promotes inclusion among diversities without any discrimination. In short, it is an effective platform for their career advancement as well as successfully harmonizing among themselves. This Centre is a prime example of harmony and brotherhood based on the principle of mutual respect.

The activities are monitored through personal contact programs to redress various problems and suggest ways of improvement. Our motto is to support them by providing required facilities such as computer, Braille, mental support, hearing machine, awareness programmes, seminars, workshops, etc.

The goal of the Centre is capacity building among the differently abled students attending the Centre, make them skill oriented so that they acquire abilities to read, write, hearing and so on. In short, they can express their views with dignity. However, the Centre has been suffering from inadequate staffs, funds and space and affecting its normal function seriously.

4. **Name of the Faculty/ Coordinator:** Dr. Samar Kumar Biswas (Present Coordinator, but originally he is the Associate Professor in the Department of Anthropology).

5. **Name of the Research Scholars: N/A**

6. **Name of the Project Fellow: N/A**

7. **Name of the Non-Teaching Staff: NIL**

8. **Student Strength: N/A**

9. **Seminar/ Conference attended (Outside the Country & Within the Country): N/A**

Name of the Teacher	Name of the /Seminar Conference	Venue & Date	Title of the paper presented

10. **Organized Seminar / Conference: NO**

Name of the Seminar Conference	Date of the Seminar / Conference	Remarks

11. **Publications: N/A**

12. **Research Projects (Major& Minor): N/A**

Major Research Project		
Title of the Scheme Project	Sanctioned Authority	Remarks

13. Visiting Fellow: NO

Name of the Visiting Fellow	Duration	

14. Any other information- Award Received: NO

Day Care Centre

Day Care Centre, North Bengal University was established in the month of June, 2008, with UGC- grant under merged scheme. Initially, the centre was attended by four children but during the period (2015-16) three children used to come on regular basis another one children came to the centre on daily basis for few days.

The centre is now a fully equipped facility for the children of the teachers and employees of the University. Several teachers and employees have availed the facility during the last five years.

At present, one woman on casual basis is working in the centre to look after the children.

Coaching Scheme for NET-SET YEAR OF ESTABLISHMENT – 2005

Coaching Scheme for National Eligibility Test (NET) for scheduled caste and scheduled tribe students has been introduced by the North Bengal University during the financial year 2005-2006 on the basis of approval of the UGC for the University proposal to start the scheme under the 10th plan guideline for special schemes in the Universities for scheduled caste and scheduled tribe students. The Executive Council of North Bengal University, after the UGC approval decided to proceed with the programme of coaching scheme in March, 2005, with a view to enhancing the capability of schedule caste and schedule tribe students who constitute almost one-third of the total students strength of the University. Consequently, the Co-ordinator of the programme was appointed; an advisory Committee was constituted as per the UGC guideline. The coaching scheme also has continued with its programme in 2015-2016 Batch – I (session: April to June 2015) including twenty one more Department i.e. Sanskrit, Philosophy, Hindi, Commerce, Sociology, Bengali, Law, Economics, Political Science, English, Nepali, Tea Science, Library Science, Geography, Micro-biology, Computer Science, Chemistry, Zoology, Physics, History, Mathematics overall students 341. In 2015-2016 Batch – II (session : August 2015 to December 2015) including Twelve more Department i.e. History, Bengali, Hindi, Geography, Library Science, English, Anthropology, Economics, Sociology, Philosophy, Political Science, Mathematics overall students 232.

Courses Taught :

M.A. :

Bengali / English / History / Economics / Philosophy / Political Science / Sociology / Hindi / Nepali / Anthropology / Geography

M.Sc. :

Mathematics / Physics / Chemistry / Bio-technology / Micro-biology / Zoology / Botany / Computer Science / Library Science

M.Com :

Commerce

Law/MBA :

Facilities :

- ❖ Study materials for all the main subjects and general paper I are provided from the Institute free of cost.
- ❖ Internet
- ❖ Subject Reading materials in the NET Library
- ❖ Daily Newspapers/periodicals

Course Period :

- A) **June Session** : February to May
B) **December Session** : August to December

Time Table :

General Paper – I

Friday (5 p.m. to 7 p.m.) & Saturday (10 a.m. to 2 p.m.)

Subject Paper – II/III

Monday to Thursday (5 p.m. to 6 p.m.)

FACULTY POSITION:

In accordance with the UGC guidelines the schemes does not have any permanent faculty members, nor any permanent staff. The staff pattern Comprises one Co-ordinator (part-time), one part-time Office Assistant and one part-time Office peon. However, teachers belonging to various departments are involved in imparting instructions and training under the coaching scheme. Names of teachers and areas in which they impart instructions are listed below:

**For the year 2015-2016
Batch – I
Session : April 2015 to June 2015**

General Paper (Paper – I)

1. Sri Arimdam Basak
2. Sri Varun Kr. Roy
3. Sri Rakesh Kr. Mandal
4. Sri Ardhendu Mandal
5. Sri Sudesh Lama
6. Sri Manaranjan Singha
7. Dr. Dhiraj Saha
8. Dr. Pravash Mali

Subject Paper : (Paper II & III)

Department of English:

1. Sri Pinaki Ranjan Das (R.S.)
2. Sri Subhasish Bhattacharya (R.S.)

Department of Philosophy:

1. Dr. Laxmikanta Padhi
2. Dr. Nirmal Kr. Roy

Department of History:

1. Sri Varun Kr. Roy
2. Sri Sudesh Lama
3. Sri Sankar Kr. Das

Department of Nepali:

1. Sri Basudeo Thapa
2. Smt Saraswati Mohara (R. S.)
3. Sri Sapan Prodhan (R. S.)

Department of Hindi:

1. Dr. Manisha Jha
2. Dr. Sunil Kr. Dwivedi
3. Sri Santosh Kr. Gupta (R.S.)

Department of Geography:

1. Dr. Deepak Kr. Mandal
2. Dr. Sudip Kr. Bhattacharya
3. Dr. Snehasish Saha
4. Sri Arimdam Basak

Department of Computer Science:

1. Sri Rakesh Kr. Mandal
2. Sri Ardhendu Mandal

Department of Mathematics:

1. Sri Manaranjan Singha
2. Sri Prodip Majhi

Department of Zoology:

1. Dr. Dhiraj Saha
2. Mr. Tilak Saha

Department of Physics:

1. Dr. Pravash Mali

No. of students appeared in NET Exam after completing coaching classes:

Name of the Deptt.	No. of students appeared					No. of students qualified				
	SC	ST	OBC	GEN	Total	SC	ST	OBC	GEN	Total
Sanskrit	01	-	-	-	01	-	-	-	-	-
Philosophy	24	-	05	12	41	05	-	01	05	11
Hindi	02	02	03	12	19	-	-	-	01	01
Commerce	02	04	04	10	20	-	01	01	02	04
Sociology	-	01	-	01	02	-	-	-	-	-
Bengali	01	02	-	-	03	01	-	-	-	01
Law	01	-	-	02	03	-	-	-	-	-
Economics	-	01	04	17	22	-	-	01	04	05
Political Science	03	05	03	05	16	01	01	01	02	05
English	12	-	06	12	30	02	-	-	02	04
Nepali	04	11	07	12	34	-	-	01	01	02
Tea Science	-	-	01	-	01	-	-	-	-	-
Library Science	01	-	-	-	01	-	-	-	-	-
Geography	12	01	05	14	32	03	-	01	05	09
Micro-biology	-	-	01	01	02	-	-	-	-	-
Computer Science	01	-	01	06	08	-	-	-	02	02
Chemistry	01	-	01	-	02	-	-	-	-	-
Zoology	05	01	02	08	16	01	-	-	01	02

Physics	01	-	02	11	14	-	-	-	02	02
History	18	08	08	16	50	05	01	02	06	14
Mathematics	05	-	09	10	24	02	-	02	03	07
Total -	94	36	62	149	341	20	03	10	36	69

For the year 2015-2016
Batch – II
Session: August 2015 to December 2015

General Paper (Paper – I)

1. Sri Rakesh Kr. Mandal
2. Sri Varun Kr. Roy
3. Sri Ardhendu Mandal
4. Sri Arimdam Basak
5. Sri Sudesh Lama

Subject Paper: (Paper II & III)

Department of Bengali:

1. Prof. Subodh Kr. Jash
2. Prof. Manjula Bera
3. Prof. Nikhilesh Ch. Ray
4. Prof. Utpal Mandal
5. Dr. Dipak Kr. Roy

Department of English:

1. Sri Subhasish Bhattacharjee (R. S.)
2. Sri Pinaki Ranjan Das (R. S.)

Department of Philosophy:

1. Dr. Nirmal Kr. Roy
2. Dr. Kantilal Das
3. Dr. Laxmikanta Padhi

Department of Economics:

1. Dr. Sanchari Roy Mukherjee
2. Dr. Sudakshina Ray
3. Dr. Tamash Ranjan Majumdar
4. Dr. Gobindo Choudhuri
5. Dr. Kanchan Dutta
6. Mr. Karan Tamang

Department of History:

1. Sri Varun Kr. Roy
2. Sri Sudesh Lama
3. Sri Sankar Kr. Das

Department of Anthropology:

1. Dr. Jaydip Sen
2. Sri Samar Kr. Biswas
3. Dr. Pinak Tarafdar

Department of Computer Science:

1. Sri Rakesh Kr. Mandal
2. Sri Ardhendu Mandal

Department of Geography & Applied Geography:

1. Dr. Deepak Kr. Mandal
2. Dr. Sudip Bhattacharjee
3. Dr. S. Saha
4. Dr. Ranjan Roy
5. Sri Arindam Basak

Department of Hindi:

1. Dr. Sunil Kr. Dwivedi
2. Dr. Manisha Jha

Department of Mathematics:

1. Sri Manoranjan Singha
2. Sri Pradip Majhi

Department of Library Science:

1. Mr. Sabtashi Ghosh
2. Mr. Tapan Barui

No. of students appeared and qualified in NET Exam after completing coaching classes:

Name of the Deptt.	No. of students appeared					No. of students qualified				
	SC	ST	OBC	GEN	TOTAL	SC	ST	OBC	GEN	TOTAL
History	25	02	12	12	51	07	-	03	04	14
Bengali	14	02	03	09	28	04	-	01	02	07
Hindi	02	06	03	14	25	-	01	-	02	03
Geography	05	01	04	10	20	02	-	01	03	06
Library Science	13	-	09	26	48	02	-	01	04	07
English	02	-	02	02	06	01	-	01	01	03
Anthropology	01	-	01	04	06	-	-	-	01	01
Economics	-	01	02	06	09	-	-	-	02	02
Sociology	-	01	01	01	03	-	-	-	-	-
Philosophy	07	-	04	03	14	02	-	01	-	03
Political Science	02	-	-	-	02	-	-	-	-	-
Mathematics	03	-	10	07	20	01	-	-	-	01
Total -	74	13	51	94	232	19	01	08	19	47

Prof. S. De Sarkar (Department of Mathematics) acts as the Co-ordinator of scheme.

INFRASTRUCTURAL FACILITIES:

The coaching scheme at present has the following facilities/equipments sanctioned by the UGC and/or provided by the University:

- ❖ Two Photo-copiers
- ❖ Two Computers with internet facility
- ❖ One laser printer
- ❖ One public-address system with amplifier
- ❖ One LCD Projector with Screen
- ❖ One Laptop
- ❖ One inverter

In addition, the Coaching Scheme also is in possession of a small library to cater the needs of the students. The library contains books on general knowledge/studies well as on specialized areas. Presently, coaching classes are held in their respective Departments and classes for (General Paper – I) are held in Room No. 109 & 112 in Humanities Building.

Remedial Coaching Scheme

Remedial Coaching Scheme for Scheduled Caste and Scheduled Tribe students has been introduced by the North Bengal University during the financial year 2005- 2006 on the basis of approval of the UGC for University proposal to start the scheme under the 10th plan guidelines for special schemes in the Universities for Scheduled Caste and Scheduled Tribe students. The Executive Council of North Bengal University, after the UGC approval decided to proceed with the programme of coaching scheme in March, 2005, with a view to enhancing the capability of Schedule Caste and Schedule Tribe students who constitute almost one- third of the total students strength of the University. Consequently, the Co-ordinator of the programme was appointed, an Advisory Committee was constituted as per the UGC guidelines; selection tests were held and finally coaching classes commenced in November, 2005 in Departments. In the session from March 2015 to May 2015, in the Departments of Economics and Hindi, remedial coaching classes were organized and an additional Remedial course in Communicative English were conducted selecting students from all departments of the University with overall students of 99 from all the Departments. In the session from September 2015 to December 2015, in the Departments of Bengali, Economics, History, Philosophy, Hindi, Sociology, Nepali remedial coaching classes were organized and an additional Remedial course in Communicative English were conducted selecting students from all departments of the University with overall students of 426 from all the departments. In the session from March 2016 to May 2016, in the Departments of Bengali, Economics, Hindi remedial coaching classes were organized and an additional Remedial course in Communicative English were conducted selecting students from all departments of the University with overall students of 137 from all the departments.

FACULTY POSITION

In accordance with the UGC guidelines the schemes do not have any permanent faculty members, nor any permanent staff. The staff pattern comprises one Co-ordinator (part- time), one part- time Clerk and part time Attendant. However, teachers belonging to various departments are involved in imparting instruction and training under the coaching scheme. Names of teachers and areas in which they impart instructions are listed below:

For the Year 2015 -2016

Communicative English

1. Dr. M. Chakraborty
2. Ms. Priyanka Chatterjee

Department of Philosophy

1. Dr. K. L. Das
2. Dr. L. K. Padhi
3. Dr. Nirmal Kr. Roy
4. Mr. N. Ramthing
5. Smt. S. Ghosh
6. Sri. Abir Kr. Das

Department of History

1. Dr. B. Kr. Sarkar
2. Mrs. Anita Bagchi
3. Sri. Varun Kr. Roy

4. Ms. D. Bhattacharya
5. Prof. I. Sarkar
6. Sri. Sankar Kr. Das
7. Mr. Sudash Lama

Department of Economics

1. Prof. A. Bhuimali
2. Ms. Sudakshina Roy
3. Mr. Kanchan Dutta
4. Mr. T. R. Majumdar
5. Dr. S. R. Mukharjee
6. Sri. Karan Tamang
7. Sri. G. Chowdhury

Department of Bengali

1. Prof. S. K. Jash
2. Dr. N. Roy
3. Dr. Dipak Kr. Roy
4. Prof. M. Bera
5. Dr. Tapan Mondol
6. Dr. Utpal Mondal

Department of Hindi

1. Dr. S. K. Dwivedi
2. Dr. Manisha Jha
3. Sri Santosh Kr. Gupta

Department of Sociology

1. Sri. Kumar Chhetri
2. Sri. Dichen Sherpa
3. Sri. Bappi Singha
4. Sri. Thandup Bhutia

Department of Nepali

1. Dr. N. C. Khati
2. Dr. K. R. Ghatani
3. Mr. Basudeo Thapa
4. Sri. Dup Tshering Lepcha
5. Sri. Bikram Biswakarma
6. Smt. Sarita Sharma

ENROLMENT OF STUDENTS

	SC Students	ST Students	OBC Students	GEN Students	Total
1. Remedial Course in Communicative English	13	01	04	08	26
2. Economics (Semester- II)	02	02	04	12	20
(Semester- IV)	01	01	02	16	20
3. Hindi (Semester-II)	02	06	03	14	25
(Semester-IV)	03	02	00	03	08

Session: March 2015 to May 2015

Session: September 2015 to December 2015

	SC Students	ST Students	OBC Students	GEN Students	Total
1. Remedial Course in Communicative English	54	14	29	24	121
2. Bengali (Semester - I)	35	03	19	18	75
3. Economics (Semester- III)	02	02	04	17	25
4. History (Semester - I)	30	06	17	13	66
(Semester -III)	17	02	08	04	31
5. Philosophy (Semester-I)	23	02	03	07	35
6. Hindi (Semester-I)	04	12	05	07	28
(Semester-III)	02	05	03	14	24
7. Sociology (Semester-I)	05	00	03	03	11
8. Nepali (Semester-I)	01	04	00	05	10

Session: March 2016 to May 2016

	SC Students	ST Students	OBC Students	GEN Students	Total
1. Remedial Course in Communicative English	12	01	07	06	26
2. Bengali (Semester - II)	22	02	12	15	51
3. Economics (Semester- IV)	02	01	04	09	16
4. Hindi (Semester- II)	04	12	05	12	33
(Semester-IV)	01	01	01	08	11

INFRASTRUCTURAL FACILITIES:

The coaching scheme at present has the following facilities/ equipments sanctioned by the UGC and / or provided by the University:

- Two photo-copiers
- Two computers with internet facility

- One laser Printer
- One public- address system with amplifier
- One LCD Projector with Screen
- One Laptop
- One inverter

In addition, the Coaching Scheme also is in possession of a small library to cater the needs of the students. The library contains books on general knowledge/ studies as well as on specialized areas. Presently, Coaching classes are held in their respective Departments and classes for communicative English are held in room No. 104 in Humanities Building.

The Scheme of Coaching Classes for Entry Into Services

Name of the University / College : University of North Bengal
 Scheme approved in the year : March, 2005
 Actual date of implementation : November, 2005

1st Batch

Number of Students benefited : 26

2nd Batch

Number of Students benefited : 92

Total number of students benefited : 56+ 48+ 11+ 03 = 118 Students

	SC Students enrolled for Coaching	ST Students enrolled for Coaching	General /OBC Students enrolled for Coaching		Teachers engaged	No. of periods taken	No of Tests held	Performance of the Candidates		
			OBC	Gen.				No. of candidates appeared for Examination / Interview	No. of candidates qualified in Examination	No. of candidates actually appointed for the posts
Coaching for Civil Service Exam	56	48	11	03	9* Names given below	141 classes of one hour duration	2 Tests (one Viva)	Not Known	Some qualified but exact no. not Known	Not Known
Coaching for SSC, Group B & Group C	The Same Group was also Coached for SSC							Many Passed SSC and other examinations. but exact figure is not with the Coaching Centre.		

*Names of Teachers: 1) Dr. Arun K. Jana, 2) Dr. Ramesh Dural, 3) Sri. Amit Jana

4) Sri Debaditya Chakraborty 5) Dr. Kanak Baishya. 6) Sri Sanjay Datta.

7) Sudip khasnobish. 8) Avijit Sutdhaar 9) Anindiya Guha

Health Centre

Statement of Number of Patients examined at the Health Centre, University of North Bengal and earnings from the Pathological tests as well as the dental treatment during the period 01.04.15 to 31.03.16.

1. Number of Patients examined at the Health Centre was 3874.
2. Number of Patients investigated at the Clinical Pathology Laboratory of Health Centre including ECG was 1047.
3. Total amount of earnings from the services at the Clinical Pathology Laboratory were Rs.1,05,156/-.
4. Number of Samples investigated at the Clinical Pathology Laboratory was 5565.
5. Total amount of earnings from the Dental Treatment were Rs. 1949/-

Sports Board

ANNUAL PRIZE & BLUE DISTRIBUTION CEREMONY

6th Annual Prize & Blue Distribution Ceremony for the year 2014-15 was organized on 21st August, 2015 at the Rabindra Bhanu Mancha. Padmashree Jyotirmoyee Sikdar and Arjuna Subrata Bhattacharya were present at the occasion. Ten (10) extraordinary Sports Persons of the University were awarded University Blue and 121 Sports Scholarships were distributed. Best Performing, 2nd Best Performing & 3rd Best Performing Colleges were awarded Cash prizes. Two Inter National Coaches of this region were felicitated.

INTER UNIVERSITY TOURNAMENTS

ATHLETICS

The six (6) member Athletics team participated in the **76th All India Inter University Athletics Meet 2015-16. Punjabi University**, hosted the All India Inter University Athletics Meet 2015-16 from 29th December, 2015 to 3rd January 2016 at Patiala.

Smt. Shipu Mandal of Falakata College secured fourth position in Long Jump (Women) event for the University.

BADMINTON (M&W)

The East Zone Inter University Badminton Tournament held at **KIIT, Bhubaneswar** from 17th to 20th September, 2015. The University Badminton team lost in the Pre-Quarters.

CRICKET (M)

The NBU Cricket team participated in the East Zone Inter University Cricket Tournament for the year 2015-16 held at **L.N.Mithila University, Darbhanga** during 17th Nov. to 30th Dec., 2015. The University Cricket team lost in the first match.

FOOTBALL (M)

The East Zone Inter University Football (M) Tournament hosted by **M.G.Kashi Vidyapith** during 13th to 19th October, 2015. The University Football team lost in the close match in the **Pre-Quarter level**.

KHO-KHO (M)

The **Fast Zone Inter University Kho-Kho (M) Tournament** organized by **T.M.Bhagalpur University** during 17th to 21st December, 2015. The University Kho-Kho(M) team achieved the 4th Position in the East Zone Inter University Kho-Kho Tournament and qualified for the National Level.

KABADDI (W)

The Sports Board, NBU organized the **9th Inter College Kabaddi (Women) Tournament** in the Synthetic Surface on 7th October, 2015. **Siliguri College** won the Championship Trophy beating **Saheed Kshudiram College** in the Final. Eight Colleges took part in the said Tournament. **Smt Jali Roy** of Siliguri was selected for the Best Player award.

KABADDI (M)

The Sports Board, NBU organized the **3rd Inter College Kabaddi (Men) Tournament in the NBU Sports Board complex**. The Competition was organised on 9th October, 2015. **Siliguri College** won the Championship Trophy beating **Maynaguri College** in the Final (34-27). Ten Colleges took part in the said Tournament. **Sri Manik Biswas** of Siliguri College was selected for the Best Player award.

TABLE TENNIS (M) & (W)

The **S.P.Roy Memorial Inter College Table Tennis Tournament, 2015-16** was held at Salesian College, Siliguri Campus on 1st & 2nd September, 2015. Nine Colleges took part in the said Tournament. In the team event, the **Siliguri College** secured the Championship title beating the **Siliguri College of Commerce**, by 3-2.

In the Individual (Men) section **Sri Subhankar Sarkar** (Siliguri College) became the winner beating **Sri Sourav Saha** (Falakata College) & in the Women category, **Smt. Anuska Dutta** (Siliguri College) became the winner beating **Smt. Sayani Bose** of (A.P.C.Roy Govt.College).

VOLLEYBALL (M)

The **Inter College Volley-ball Tournament 2015-16** was organized by the **Sukanta Mahavidyalaya**, on 13th to 14th October 2015. Twelve Colleges participated in the said Tournament. **Saheed Kshudiram College** achieved the championship title by defeating **Siliguri College**, in the final Match(2-0). **Shri Biplob Das** (**Saheed Kshudiram College**) was selected as Man of the Match in the final Match.

CRICKET (M)

The **Kiran Chandra Memorial Inter College Cricket Tournament** for the year 2015-16 was organized by **Sports Board, NBU** during 8th to 15th March, 2016 at the **NBU Campus**. Sixteen Colleges took part in the said Tournament. **Falakata College** has won the running trophy beating **Ananda Chandra College** in the Final. The Man of the Final Match award was given to **Sri Mrityunjoy Mishra** of **Falakata College**.

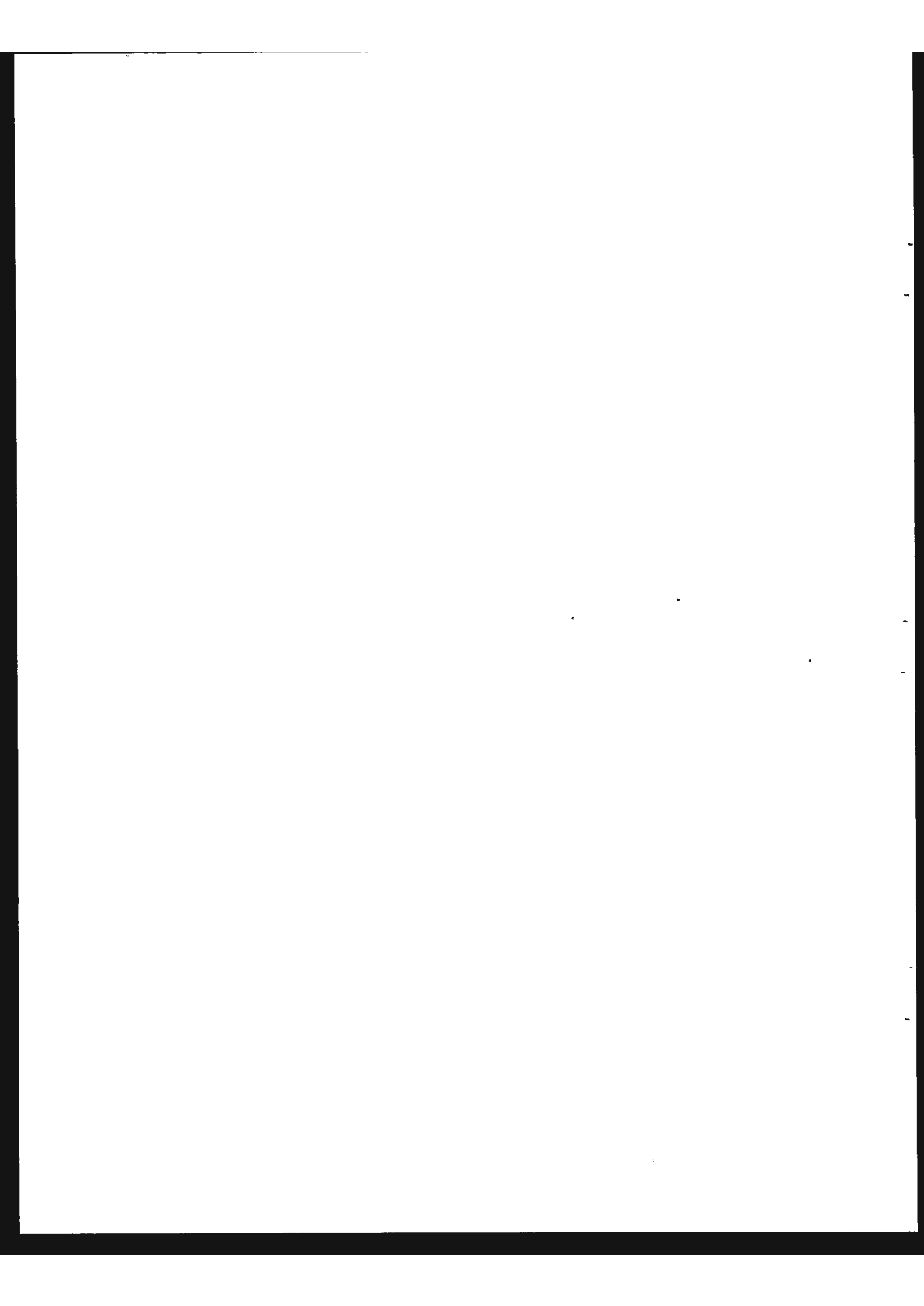
KHO-KHO (M/W)

The **Panu Dutta Majumder Memorial Inter College Kho-Kho (M/W) Tournament** was organized by **Maynaguri College** on 7th & 8th December, 2015. **Falakata College** clinched the Champion trophy by beating **Sukanta Mahavidyalaya** in the Men's Final. **Sri Pujan Sarkar** of **Falakata College** secured the Man of the Final title.

Siliguri College achieved the Champion trophy by beating **Falakata College** in the Women's Final. **Smt. Jahida Khatun** of **Siliguri College** secured the Player of the Final award.

CHAPTER - VII

DISTANCE EDUCATION



DIRECTORATE OF DISTANCE EDUCATION

1. **Name of the Department** : Directorate of Distance Education
2. **Date of Establishment** : 2000
3. **Introduction of the Department** :

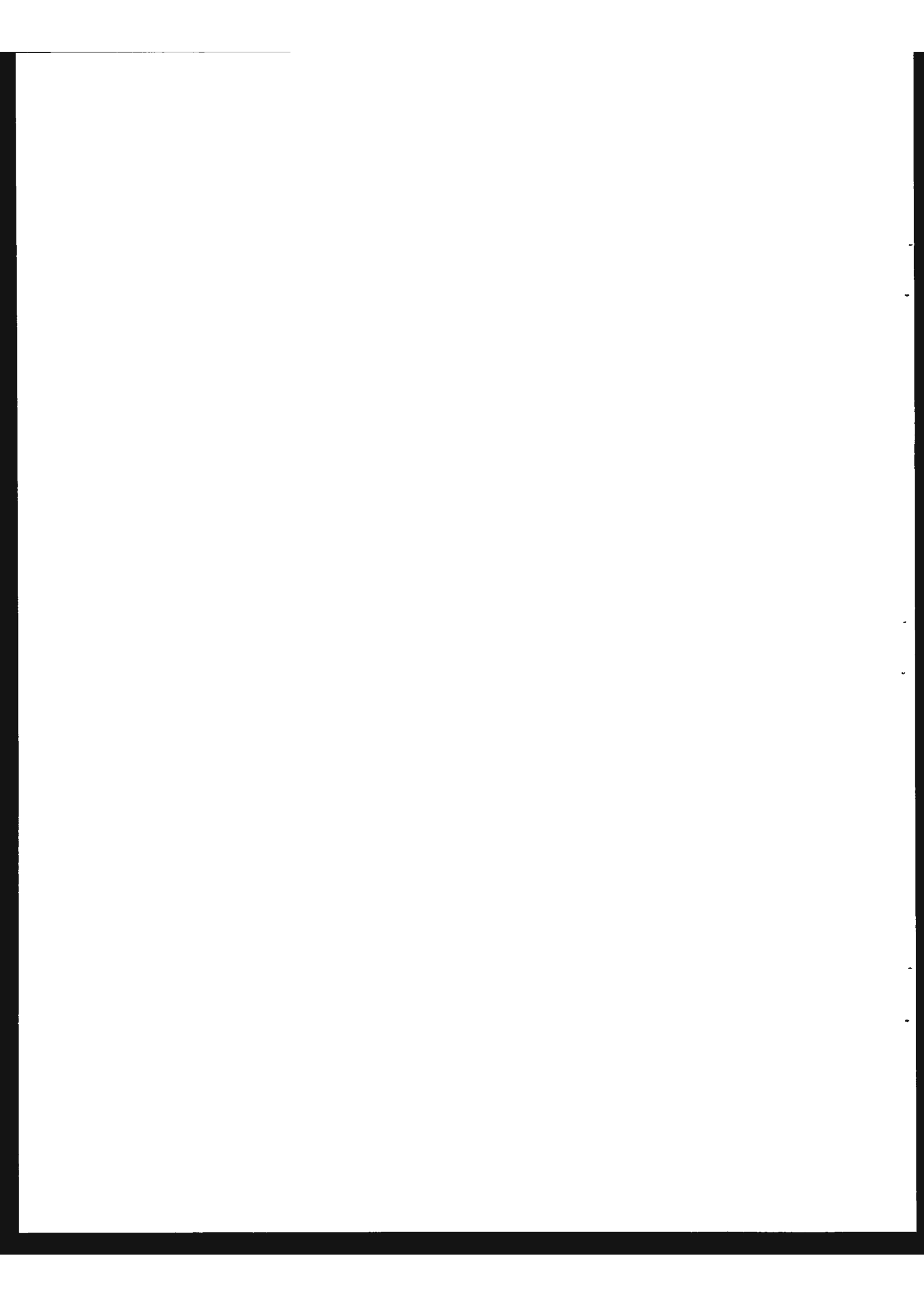
The University of North Bengal to its voyage of distance mode of learning in the year 2000 to widen the scope of higher education for the students of all section of the society. The Directorate of Distance Education has offered M.A. in Bengali, English, History, Philosophy, Political Science, Mathematics and Nepali. The Distance Education Council of India, the apex body that gives recognition to the institutions which provides distance mode of learning, has given recognition to the University of North Bengal to run distance mode courses till the academic year 2012-13. Recently the University Grants Commission – Distance Education Bureau (UGC-DEB, new regulatory authority for DE mode) has extended the recognition of the Directorate, for the academic year 2013-14. The Govt. of West Bengal has issued Orders/Notifications to the effect that Degrees obtained through Distance Education/Correspondence modes shall be treated at par with those in the formal/regular modes.

4. **Name of the Faculty** :

Professor	Associate Professor	Assistant Professor	Subject
Nil	Nil	Vacant	Political Science
		Vacant	Nepali
		Vacant	Mathematics
		Mrs. Priyanka Chatterjee	English
		Vacant	Bengali
		Vacant	History
		Vacant	Philosophy

5. **Name of the Non-Teaching Staff** :

Name	Designation
Mr. Raju Roy	Deputy Director
Dr. Debabrata Deb	Assistant Director
Ms. Chirasree Majumder	Distance Learning Facilitator
Sri Pratap Kanungoe	Accountant
Sri Ranjit Singha	Office Assistant
Sri Palash Pal	Office Assistant cum Computer Operator
Sri Ujjal Sarkar	Office Assistant cum Computer Operator
Sri Pravat Kr. Yadav	Office Assistant
Md. Sahidul	Office Attendant
Sri Biman Ranjan Roy	Office Attendant
Sri Rabi Singha	Office Attendant
Sri Dinesh Saha	Library Attendant
Sri Ankur Das	Library Attendant
Sri Sanjit Roy	Office Attendant
Sri Laban Kishan Millick	Sweeper



CHAPTER – VIII

**UGC Human Resource
Development Centre**

UGC HUMAN RESOURCE DEVELOPMENT CENTRE

1. Name of the Department : UGC Human Resource Development Centre.
 2. Date of Establishment : 17th November, 2009
 3. Introduction of the department : To conduct Refresher Courses, Orientation Programmes, Disaster Management for the College / University Teachers, Principals' Workshop and Short Term Courses for the Non-Teaching Staffs and Research Scholars.

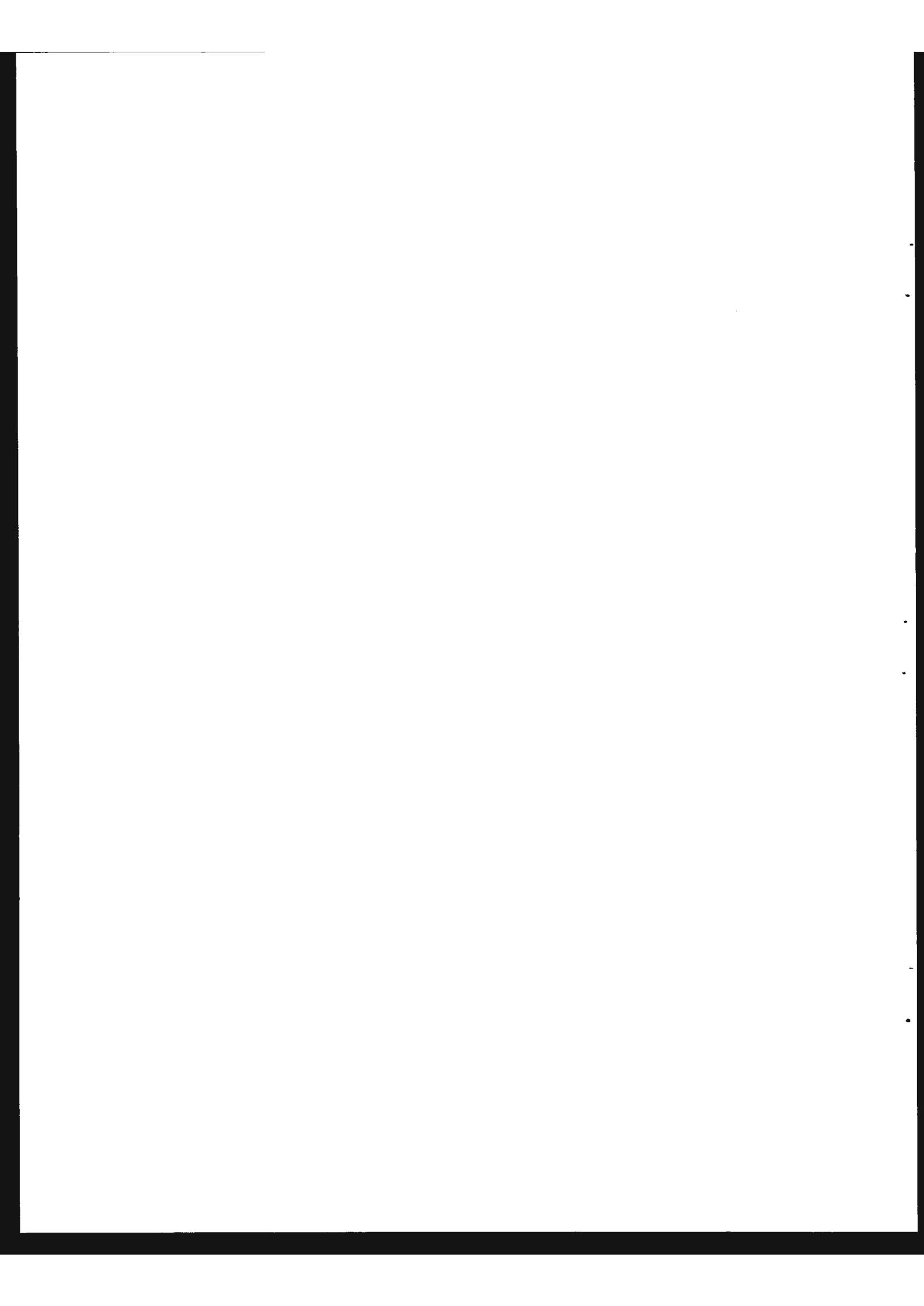
4. Name of the Faculty :

Professor	Associate Professor	Assistant Professor
Prof. Kantilal Das (Director (A/C))	Dr. Manisha Jha (Deputy Director (A/C))	Dr. Sujit Kumar Biswas (Assistant Director (Honorary))

5. Name of the Research Scholars : N/A
 6. Name of the Project Scholars : N/A
 7. Name of the Non-Teaching Staff :

Name	Designation
Sanjoy Roy Hakim	Jr. Peon
Pankaj Mandal	Office Assistant (Casual)
Bikram Roy	Peon (Casual)
Alokananda Choudhury	Hostel Attendant (Casual)
Sanjit Kumar Mallik	Sweeper (Casual)

8. Students Strength : N/A
 9. Seminar / Conferences attended (Outside the Country & within the Country) : N/A
 10. Organized OPs / RCs : 4 Ops, 6 RCs & 4 Short term Courses.
 11. Publication : N/A
 12. Research Projects (Major & Minor) : N/A
 13. Visiting Fellow : A considerable number of Resource Persons visited HRDC for giving lectures in RC's and OP's and Short Term Courses.
 14. Any other information : A well equipped library and Computer Lab. serving the purpose of the College / University teachers, Principals, non-teaching staff, Research Scholars etc.



CHAPTER - IX
GENERAL ADMINISTRATION

EXAMINATION BRANCH

U.G. Examinations, 2015
(System of Examination - Annual)

Sl. No.	Name of Examination	Examination dates		Result published on	Total No. of candidates appeared	Percentage of qualified candidates
		Commencement of examination	Last date of examination			
1.	B.A. Part I (Hons.)	07.04.2015	03.06.2015 (Th.) 27.06.2015 (Pr.)	25.08.2015	14828	66.01
2.	B.A. Part I (Gen.)	28.04.2015	03.06.2015 (Th.) 30.07.2015 (Pr.)	25.08.2015	62863	57.57
3.	B.A. Part II (Hons.)	09.04.2015	03.06.2015 (Th.) 20.06.2015 (Pr.)	25.08.2015	10351	85.22
4.	B.A. Part II (Gen.)	27.04.2015	03.06.2015 (Th.) 31.07.2015 (Pr.)	25.08.2015	36630	84.76
5.	B.A. Part III (Hons.)	06.04.2015	22.04.2015 (Th.) 17.06.2015 (Pr.)	29.06.2015	9273	79.10
6.	B.A. Part III (Gen.)	06.04.2015	22.04.2015 (Th.) 20.06.2015 (Pr.)	29.06.2015	25179	49.06
7.	B.Sc. Part I (Hons.)	07.04.2015	03.06.2015 (Th.) 11.07.2015 (Pr.)	25.08.2015	2448	59.40
8.	B.Sc. Part I (Gen.)	28.04.2015	03.06.2015 (Th.) 08.08.2015 (Pr.)	25.08.2015	1829	48.71
9.	B.Sc. Part II (Hons.)	09.04.2015	03.06.2015 (Th.) 11.07.2015 (Pr.)	25.08.2015	1422	83.30
10.	B.Sc. Part II (Gen.)	27.04.2015	03.06.2015 (Th.) 08.08.2015 (Pr.)	25.08.2015	684	85.23
11.	B.Sc. Part III (Hons.)	06.04.2015	22.04.2015 (Th.) 17.06.2015 (Pr.)	29.06.2015	1073	82.85
12.	B.Sc. Part III (Gen.)	06.04.2015	22.04.2015 (Th.) 20.06.2015 (Pr.)	29.06.2015	542	89.67
13.	B.Com. Part I (Hons.)	17.04.2015	03.06.2015 (Th.)	25.08.2015	1316	59.77
14.	B.Com. Part I (Gen.)	28.04.2015	03.06.2015 (Th.)	25.08.2015	3075	39.74
15.	B.Com. Part II (Hons.)	09.04.2015	03.06.2015 (Th.)	25.08.2015	999	88.16
16.	B.Com. Part II (Gen.)	27.04.2015	03.06.2015 (Th.)	25.08.2015	1632	81.20
17.	B.Com. Part III (Hons.)	06.04.2015	22.04.2015 (Th.)	29.06.2015	745	86.98
18.	B.Com. Part III (Gen.)	06.04.2015	22.04.2015 (Th.)	29.06.2015	1141	76.77
19.	B.A.LL.B. (Hons.)	02.07.2015	17.07.2015	17.08.2015	59	96.61
20.	B.A.LL.B.(Gen.)	02.07.2015	14.07.2015	17.08.2015	46	95.65

22.	LL.B (3yrs)	02.07.2015	18.07.2015	17.08.2015	41	92.68
23.	B.Ed.	20.07.2015	13.08.2015	31.08.2015	1034	98.74
24.	B.P.Ed.	15.06.2015	19.06.2015	22.07.2015	135	94.07
25.	B.C.A.	27.07.2015	07.08.2015	20.08.2015	65	83.07
26.	B.B.A.	06.07.2015	30.07.2015	01.09.2015	122	74.59
27.	BLIS	06.07.2015	20.07.2015	07.08.2015	40	100

P.G. Examinations, 2015
(System of Examination - Semester)

Sl. No.	Name of Examination	Examination dates		Result published on	Total No. of candidates appeared	Percentage of qualified candidates
		Date of commencement of examination	End date of examination			
01.	Anthropology	02.07.2015	21.07.2015	29.07.2015	10	100
02.	Bengali	02.07.2015	21.07.2015	01.10.2015	164	100
03.	Biotechnology	02.07.2015	21.07.2015	20.08.2015	05	100
04.	Botany (D.G.C.)	19.11.2015	08.10.2015	20.08.2015		
05.	Botany (N.B.U.)	02.07.2015	21.07.2015	20.08.2015	23	100
06.	Chemistry	02.07.2015	21.07.2015	29.07.2015	39	100
07.	Commerce	02.07.2015	21.07.2015	27.08.2015	43	95.34
08.	Computer Science	02.07.2015	21.07.2015	20.08.2015	08	100
09.	Economics	02.07.2015	21.07.2015	27.08.2015	24	100
10.	English	02.07.2015	21.07.2015	27.08.2015	110	99
11.	Geography & Applied Geography	02.07.2015	21.07.2015	20.08.2015	57	100
12.	Hindi	02.07.2015	21.07.2015	09.08.2015	13	100
13.	History	02.07.2015	21.07.2015	02.09.2015	63	100
14.	I.L.M.	25.05.2015	02.06.2015	29.09.2015	15	100
15.	M.B.A.				25	100
16.	M.C.A. Semester VI	25.05.2015	26.05.2015	19.06.2015	24	83.33
17.	M.L.I.S.	14.12.2015	30.12.2015	09.01.2016	02	100
18.	Mass Communication	02.07.2015	21.07.2015	29.07.2015	10	100
19.	Mathematics	02.07.2015	21.07.2015	22.08.2015	48	100
20.	Microbiology	02.07.2015	21.07.2015	09.08.2015	18	100
21.	Nepali	02.07.2015	21.07.2015	31.08.2015	53	100
22.	Philosophy	02.07.2015	21.07.2015	27.08.2015	55	98.18
23.	Physics	02.07.2015	21.07.2015	20.08.2015	40	100
24.	Political Science	02.07.2015	21.07.2015	23.09.2015	58	96.55
25.	Rural Development	02.07.2015	21.07.2015	30.09.2015	26	100
26.	Sanskrit	02.07.2015	21.07.2015	27.08.2015	31	100
27.	Sociology	02.07.2015	21.07.2015	20.08.2015	24	95.83
28.	Strategic Area Studies	02.07.2015	21.07.2015	20.08.2015	05	100
29.	Tea Science	02.07.2015	21.07.2015	07.09.2015	03	100
30.	Zoology (D.G.C.)	19.11.2015	03.12.2016	20.08.2015		
31.	Zoology (N.B.U.)	02.07.2015	21.07.2015	20.08.2015	24	100
32.	P.G.D.T.M.	03.08.2015	18.08.2015	19.09.2015	15	66.70

**P.G. (Distance Education), 2015
(System of Examination - Annual)**

Sl. No.	Name of Examination	Examination dates		Result published on	Total No. of candidates appeared	Percentage of qualified candidates
		Date of Commencement of examination	End date of examination			
01.	Bengali	08.03.2016	17.03.2016	10.08.2016	571	79.33
02.	English	08.03.2016	17.03.2016	20.07.2016	285	80.70
03.	History	08.03.2016	17.03.2016	17.08.2016	418	75.59
04.	Mathematics	08.03.2016	18.03.2016	22.07.2016	42	85.71
05.	Nepali	08.03.2016	16.03.2016	15.07.2016	109	64.22
06.	Philosophy	03.08.2015	16.03.2016	02.08.2016	53	67.92
07.	Political Science	08.03.2016	16.03.2016	31.08.2016	239	87.44

UNIVERSITY OF NORTH BENGAL
RAJA RAMMOHANPUR, DARJEELING
CONSOLIDATED INCOME & EXPENDITURE ACCOUNT (PROVISIONAL)
For the Period from 01/04/15 to 31/03/16

211

EXPENDITURE	2014 - 2015		2015 - 2016		INCOME	2014 - 2015		2015 - 2016	
	Rs.	AMOUNT	Rs.	AMOUNT		Rs.	AMOUNT	Rs.	AMOUNT
To Revenue Expenditure					By Revenue Income				
NBU General Fund	73,71,30,231.00		71,38,79,973.97		NBU General Fund	76,50,39,308.73		82,44,93,777.43	
NBU C.S.I.R. Fund	884.00		174.38		NBU C.S.I.R. Fund	54,361.00		68,879.00	
NBU N.S.S. Fund	2,31,259.00		1,88,448.00		NBU N.S.S. Fund	6,34,590.00		6,98,717.00	
NBU UIP Fund	4,97,596.00		1,35,940.00		NBU UIP Fund	2,77,342.00		2,48,929.00	
NBU Develop.of Infra.Fac.Fund	62,547.00		52,92,882.00		NBU Dev.of Infra.Fac.Fund	1,25,90,050.00		3,50,48,154.00	
NBU Misc Self Financed Courses	16,34,794.00		16,73,647.00		NBU Endowment Fund	2,09,542.00		1,39,836.00	
NBU Jr. Self Financed Courses	4,56,490.00		18,630.00		NBU Pension & Gratuity Fund	3,96,60,297.00		7,03,24,920.00	
NBU Prof. N.H.C. For M.S. Fund	-		-		NBU Misc. Self Financed Courses	11,92,172.00		15,29,613.00	
NBU DDE Fund	1,32,02,442.36		99,21,369.00		NBU Jr. Self Financed Courses	9,68,652.00		88,17,106.00	
NBU COFAM	-		-		NBU Prof. N.H.C.M.S. Fund	1,99,791.00		2,24,928.00	
NBU Endowment Fund	960.00		-		NBU DDE Fund	3,77,74,609.00		4,70,89,212.00	
NBU E.P.F.	655.00		228.00		NBU COFAM	1,14,193.00		11,666.50	
NBU Jalpaiguri Campus	33,90,039.00		51,11,294.00		NBU Jalpaiguri Campus	39,27,434.00		18,09,741.00	
NBU RUSA Fund	-		1,191.00		NBU RUSA Fund	-		80,000.00	
NBU SBD Fund	5,73,888.00	75,72,26,775.36	8,04,352.00	73,60,33,130.35	NBU E.P.F.	1,80,91,116.00		1,93,07,957.00	
					NBU CIIT DBT	2,434.00		2,573.00	
To Transferred to :					NBU SBD Fund	19,59,431.50		27,18,219.00	
Capital Fund	16,95,901.00		10,53,382.00		NBU UGC SAP Fund	15,374.00	88,16,60,634.23	-	1,01,24,09,087.93
Pension & Gratuity Fund	1,00,00,000.00		1,00,00,000.00						
Sports Development Fund	12,89,000.00		10,00,000.00						
General Reserve Fund	2,06,84,638.73	3,36,59,537.73	5,37,89,597.46	6,58,42,979.46					
To Contribution to DIF Fund from									
NBU General Fund	1,00,00,000.00		1,00,00,000.00						
NBU Misc. Self Financed Courses	83,000.00		1,27,040.00						
NBU Jr. Self Financed Courses	60,250.00		3,105.00						
NBU DDE Fund	20,93,635.00	1,22,41,885.00	7,69,297.00	1,08,99,442.00					
To Contribution to NBU General Fund from									
NBU Endowment Fund		2,08,582.00		1,39,836.00					
To Net Surplus		7,83,23,854.14		19,94,93,700.12					
		88,16,60,634.23		1,01,24,09,087.93			88,16,60,634.23		1,01,24,09,087.93

Sd/-
(D. Basak)
Sr. Assistant

Sd/-
(S. Das)
Accounts Officer

Sd/-
(Dr. S. N. Saha)
Audit & Accounts Officer
&
Finance Officer (Offg.)

UNIVERSITY OF NORTH BENGAL
RAJA RAMMOHANPUR, DARJEELING

CONSOLIDATED RECEIPTS & PAYMENT ACCOUNT (PROVISIONAL)
For the year ended 31.3.2016

Receipts	Schedule	Amount (Rs.)	Previous Year (Rs.)	Amount (Rs.)	Current Year (Rs.)	Payments	Schedule	Amount (Rs.)	Previous Year (Rs.)	Amount (Rs.)	Current Year (Rs.)
To Opening Balance:						By Revenue Payments	1		75,77,28,775.38		73,61,72,966.95
Cash at Bank	6	40,40,78,998.03		47,29,61,369.77		By Capital Payments	1		9,49,18,085.00		15,18,04,298.00
Treasury	6	20,79,93,695.09		21,92,03,442.09		By Loans & Advances	2		4,84,60,263.41		4,31,53,340.11
P/L A/c with Treasury		17,995.00		17,995.00		By Payments on Projects	3		5,11,02,891.00		4,07,18,150.00
SBI Collection A/c		559.50	61,20,91,249.22	559.50	69,21,83,366.36	By Investment	7		1,09,06,73,893.00		2,13,85,51,000.00
To Revenue Receipts	1		88,16,82,491.23		1,01,24,09,087.93	By Current Liabilities	4		16,81,60,753.73		16,66,64,738.50
To Capital Receipts	1		16,89,78,998.00		26,68,98,439.00	By Loan (Liability)	5				-
To Recovery of Advances	2		4,91,47,005.41		4,62,89,804.06	By Capital Work-In-Progress	10		2,07,24,287.00		14,22,90,259.00
To Receipts on Projects	3		4,23,54,247.00		5,09,18,515.50	By Closing Balance					
To Investments	7		99,29,40,043.00		1,88,42,24,062.00	Cash in Hand				32,272.00	
To Current Liabilities	4		17,63,56,263.00		17,66,13,488.54	Cash at Bank	6	47,29,61,369.77		47,81,78,658.84	
To Loan (Liability)	5					Treasury	6	21,92,03,442.09		23,19,52,466.09	
						P/L A/c with Treasury		17,995.00		17,995.00	
						SBI Collection A/c		559.50	69,21,83,366.36	559.50	71,01,91,951.43
			2,91,34,50,294.86		4,12,95,36,763.39				2,91,34,50,294.86		4,12,95,36,763.39

212

Sd/
(D. Basak)
Sr. Assistant

Sd/
(S. Das)
Accounts Officer

Sd/
(Dr. S. N. Saha)
Audit & Accounts Officer
&
Finance Officer (Offg.)

UNIVERSITY OF NORTH BENGAL
RAJA RAMMOHANPUR, DARJEELING

CONSOLIDATED BALANCE SHEET (PROVISIONAL)
AS ON 31/03/2016

213

LIABILITIES	Sched ule	Previous Year (Rs.)	Amount (Rs.)	Current Year (Rs.)	ASSETS	Sched ule	Amount (Rs.)	Previous Year (Rs.)	Amount (Rs.)	Current Year (Rs.)
<u>General Fund - NBU</u>					<u>Fixed Assets</u>	8		85,36,92,332.31		93,92,50,445.31
Revenue		1,46,22,238.79		4,93,80,590.79						
Capital		14,74,01,735.83		22,90,59,894.83	<u>Capital Work-in-Progress</u>	10		15,08,54,178.00		29,31,44,437.00
<u>General Fund - NBUMC</u>					<u>Investment</u>	7		1,21,81,61,141.00		1,47,04,88,139.00
Revenue		1,01,566.93		1,01,566.93						
Capital		8,40,998.02		8,40,998.02						
General Reserve Fund - NBU		16,65,75,569.05		22,03,65,168.51						
<u>Capital Assets Fund</u>	9	85,36,92,332.31		93,92,50,445.31	<u>Loans & Advances</u>	2		4,43,51,959.09		4,98,33,795.64
<u>Earmarked Fund</u>										
<u>UGC Project</u>					Cash in Hand				32,272.00	
General		2,74,717.85		2,74,717.85	Cash at Bank	6	47,29,61,369.77		47,81,78,658.84	
Capital		2,98,70,563.76		2,16,75,706.76	Treasury	6	21,92,03,442.09		23,19,52,466.09	
Project & Scheme	3	(2,78,575.63)		2,42,302.37	P/L A/c with Treasury		17,995.00		17,995.00	
<u>Non-UGC Project</u>					SBI Collection A/c		559.50		559.50	
General		6,92,420.00		7,17,842.00				69,21,83,366.36		71,01,81,951.43
Projects & Schemes	3	1,55,61,931.91		2,25,73,742.91						
<u>C.S.I.R.</u>										
General		3,39,862.13		4,08,566.75						
Research Project Fund	3	(188.21)		(51,806.21)						
Research Scholar Func	3	(21,24,330.26)		(20,14,451.26)						
<u>UGC SAP</u>										
General		1,99,973.50		1,99,974.00						
<u>N.S.S.</u>										
General		18,00,090.00		23,10,359.00						
Projects & Schemes	3	71,681.00		79,681.00						
<u>University Innovative Programme</u>										
General		(11,33,763.29)		(10,22,814.29)						
Projects & Schemes	3	50,85,155.00		50,85,155.00						
<u>Development of Infra. Fac. Func</u>										
General		29,60,73,038.67		33,22,41,069.67						
Capital		2,19,35,532.00		2,19,35,532.00						
Total C/F		1,54,16,02,599.36		1,84,36,54,239.94	Total C/F			2,95,72,42,976.76		3,46,28,98,768.38

LIABILITIES	Schedule	Previous Year (Rs.)	Amount (Rs.)	Current Year (Rs.)	ASSETS	Schedule	Amount (Rs.)	Previous Year (Rs.)	Amount (Rs.)	Current Year (Rs.)
Total B/F		1,54,16,02,599.36		1,84,36,54,239.94	Total B/F			2,95,72,42,976.76		3,46,28,98,768.38
Endowment Fund		15,54,221.00		15,54,221.00						
Pension & Gratuity Func		66,89,80,937.62		74,93,05,757.62						
Misc. Self Financed Courses Func		21,85,165.00		19,09,091.00						
Jt. Self Financed Courses Func		4,96,51,033.79		5,84,46,404.79						
Prof. N.H.C.For M.S. Func		53,45,900.00		57,64,610.00						
D.D.E. Fund		27,71,18,708.29		31,45,17,254.29						
COFAM		28,89,846.50		-						
CIIT DBT		63,665.93		66,258.93						
E.P.F		23,44,54,355.09		24,91,78,189.09						
NAIP										
ICAR Project	3	(64,821.00)		-64,485.00						
SBD Fund										
Capital		1,32,81,139.50		1,61,95,006.50						
UGC HRDC Fund										
Projects & Schemes	3	(29,85,117.00)		(3,84,037.50)						
Jalpaiguri Campus										
General		(1,92,421.00)		(34,94,974.00)						
Capital		10,11,00,000.00		10,11,00,000.00						
RUSA Fund										
General				78,809.00						
Capital				5,05,46,302.00						
Current Liabilities & Provision	4	6,17,78,890.68		7,42,47,067.72						
Loan (Liability)	5	2,79,053.00		2,79,053.00						
		2,95,72,42,976.76		3,46,28,98,768.38				2,95,72,42,976.76		3,46,28,98,768.38

Sd/
(D. Basak)
Sr. Assistant

Sd/
(S. Das)
Accounts Officer

Sd/
(Dr. S. N. Saha)
Audit & Accounts Officer
&
Finance Officer (Offg.)

**OFFICE OF THE SECRETARY
COUNCIL FOR UNDER GRADUATE STUDIES**

Secretary : Dr. Nupur Das
Staff Strength (U.G. Council) : Mrs. Geeta Roy (Das), Sr. Asst
Mr. Gautam Sarkar , Jr. Asst.
Mr. Labin Singha, Sr. Peon

Nature of Work: *The Office of the Secretary, Under Graduate Council
North Bengal University is a bridge between the Mother University of
North Bengal University*

Total number of College affiliated to the University of North Bengal

Number of General Degree Colleges : 46
Number of B.Ed Colleges : 15
Number of B.P.Ed Colleges : 02
Number of Law Colleges : 02
Department of Law : 01

A Profile

The Prime agenda of the Under Graduate Council, North Bengal University is to form a bridge between the mother University of North Bengal and its affiliating Colleges. The Department strives continuously with the objective of helping all Colleges to improve its quality of Education. Through its various units like the Boards of Under Graduate Studies and numerous Expert Committees the Department has tried to accomplish a process based on interactively, quality enhancing mechanism and has yielded appreciable results at the Under Graduate workplace under the University of North Bengal.

Council, Boards and Committees

1. *Boards of Under Graduate Studies*
2. *Expert Committee*
3. *Expert Committees under Career Oriented Programme*

**TOTAL BOARDS OF
UNDER GRADUATE
STUDIES**

ENGLISH, COMPUTER SCIENCE, BENGALI, HISTORY,
ECONOMICS, PHILOSOPHY, POLITICAL SCIENCE,
COMMERCE, SOCIOLOGY, NEPALI, PHYSICS, CHEMISTRY,
MATHEMATICS, GEOGRAPHY, BOTANY, ZOOLOGY, HINDI,
SANSKRIT, EDUCATION, LAW, ARABIC, URDU, MODERN
TIBETAN, PHYSIOLOGY, PHYSICAL EDUCATION,
GEOLOGICAL SCIENCE, PSYCHOLOGY , STATISTIC,
ENVIRONMENTAL STUDIES, SERICULTURE,
MICROBIOLOGY, MASS COMMUNICATION &
JOURNALISM, TOURISM MANAGEMENT & RETAIL
MANAGEMENT

TOTAL EXPERT COMMITTEE	1.	B.Sc. Course in Internet Science / Software System (ZII.S) of Campus Education Course (ZILS)
	2.	Lepcha, Limboo & Bhutia
	3.	B.B.A.
	4.	B.C.A.
TOTAL EXPERT COMMITTEE under Career Oriented Programme (C.O.P.)	1.	Monitoring Committee on C.O.P.
	2.	Communicative English
	3.	Mass Communication & Journalism
	4.	Eco Tourism Management
	5.	Tourism & Travel Management
	6.	Computer Application
	7.	Office Management & Secretarial Practice
	8.	Tax Procedure & Practice
	9.	Banking Management
	10.	Women's Studies
	11.	Human Rights & Values in Education
	12.	Music

REACHING OUT :

Reaching Out to the Stake holders is an essential component of the Under Graduate Councils process. This is done through.

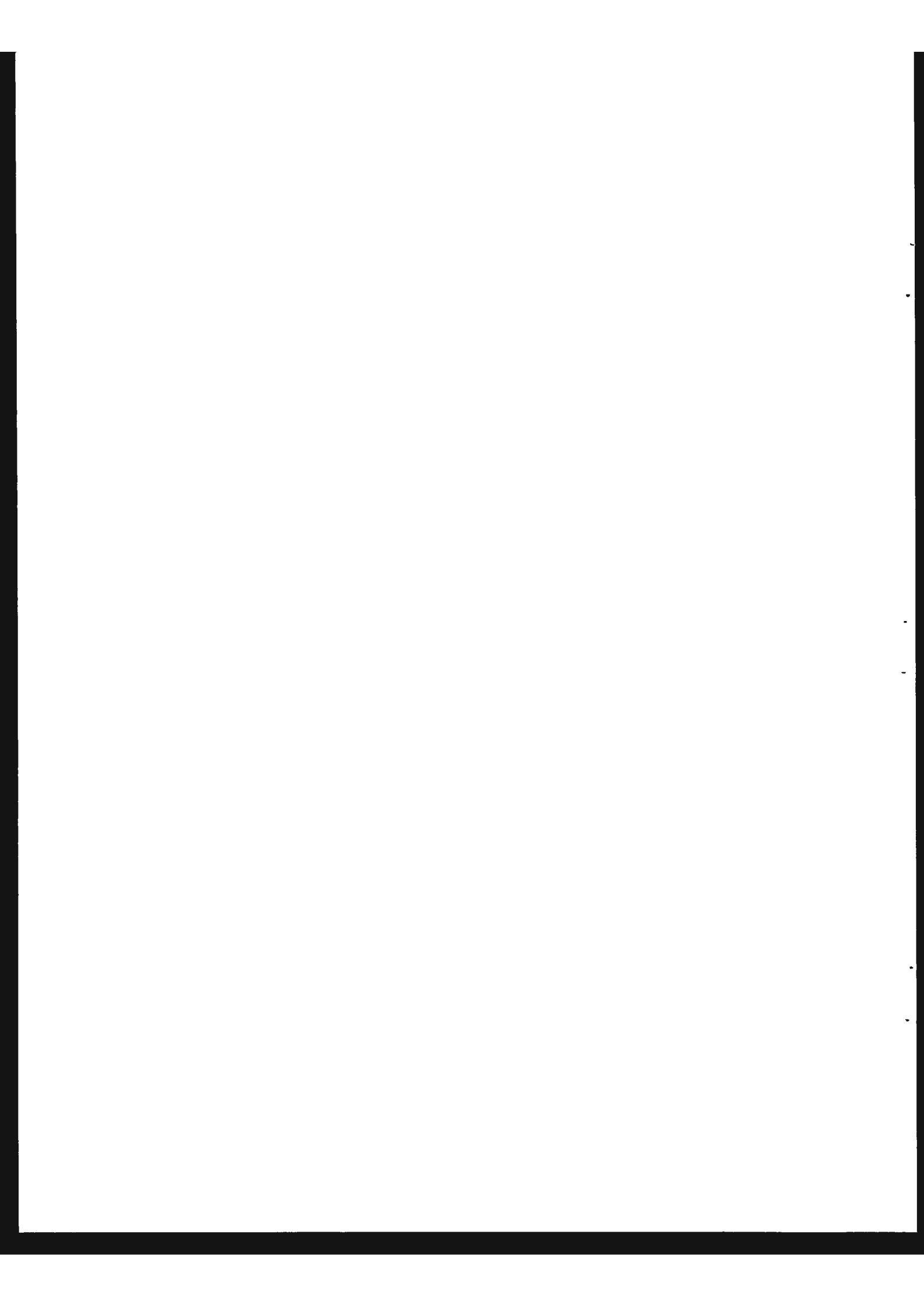
- a. *The functioning of the Under Graduate Council through its Boards of Under Graduate Studies and numerous Expert Committees.*
- b. *Regular correspondence with all Colleges*
- c. *Updating all Colleges with recent Circulars from the University Grants Commission / Ministry of Human Resource Development / Higher Education Council and University of North Bengal.*
- d. *Websikte www.nbu.ac.in & www.nbubed.org (centralized B.Ed. Cell)*
- e. *Networking with teachers from the University and the Colleges.*
- f. *Directory and database for all Colleges – with reference to teachers, subjects, taught.*

BENEFITS:

- Helps the Colleges to know its strengths, weaknesses, opportunities through an informed review.*
- To identify internal areas of planning and resource allocation in each Colleges.*
- Enhances collegiality on the campus.*
- The outcome of the process provides the funding agencies with objective and systematic database for performance funding.*
- Intiates instruction into innovative and modern methods of pedagogy.*
- Gives the each College a new sense of direction and identity.*
- Provides the society with reliable information on the quality of education offered by the Colleges in North Bengal*
- Promotes intra-College and inter-University interactions.*

CHAPTER - X

**AUTHORITIES OF THE
UNIVERSITY**



LIST OF THE COURT MEMBERS OF 2015-2016

1	Sri Keshari Nath Tripathi The Chancellor University of North Bengal
2	Prof. Somnath Ghosh Vice – Chancellor University of North Bengal
3	Prof. P.R. Sengupta Dean, Faculty Council for P.G. Studies in Arts, Commerce & Law
4	Prof. Amitava Mukhopadhyay Dean, Faculty Council for P.G. Studies in Science
5	Sri Siladitya Basu Ray WBCS (Exe), Jt. Secretary Higher Education Department University Branch Bikash Bhavan, 6 th floor, Kolkata - 91
6	The Principal Secretary Department of Finance Government of West Bengal Writers' Building , Kolkata – 700001
7	Prof. Manas Banerjee Department of Chemistry Burdwan University. Rajbati, Burdwan – 713104
8	The President West Bengal Council for Higher Secondary Education Vidyasagar Bhaban Block – DJ, Sector – II Salt Lake, Kolkata – 91
9	The President West Bengal Board of Madrasah Education, Begum Rokaiya Bhaban 19, Haji Md. Mahasin Square, Kolkata – 700016
10	The President West Bengal Board of Secondary Education 77/2 Park Street, Kolkata – 700016
11	Director of Public Instruction Govt. of West Bengal Education Directorate Bikash Bhawan, Salt Lake, Kol-91
12	The Chairman University Grants Commission Bahadur Shah Zafar Marg New Delhi – 110002

13	Prof. Braj Nath Kundu Institute of Education Visva Bharati University Shantiniketan, Birbhum
14	Dr. Ringeen Eden Wangdi Swaika Villa Old Kutener Road Darjeeling 734101
Representative of Department & colleges:	
15	The Head Department of Anthropology University of North Bengal
16	The Head Department of Bengali University of North Bengal
17	The Head Department of Bio-Technology University of North Bengal
18	The Head Department of Botany University of North Bengal
19	The Head Department of Chemistry University of North Bengal
20	The Head Department of Computer Science & Application University of North Bengal
21	The Head Department of Commerce University of North Bengal
22	The Head Department of Economics University of North Bengal
23	The Head Department of English University of North Bengal
24	The Head Department of Geography & Applied Geography University of North Bengal
26	The Head Department of Hindi University of North Bengal
27	The Head Department of History University of North Bengal
28	The Head Department of Law University of North Bengal

29	The Head Department of Library & Information Science University of North Bengal
30	The Head Department of Life Long Learning & Extension University of North Bengal
31	The Head Department of Management University of North Bengal
32	The Head Department of Mass Communication University of North Bengal
33	The Head Department of Mathematics University of North Bengal
34	The Head Department of Microbiology University of North Bengal
35	The Head Department of Nepali University of North Bengal
36	The Head Department of Philosophy University of North Bengal
37	The Head Department of Physics University of North Bengal
38	The Head Department of Political Science University of North Bengal
39	The Head Department of Sociology University of North Bengal
41	The Head Department of Zoology University of North Bengal
Senior Professor of the University	
42	Prof.Palash Ranjan Sengupta Department of Commerce University of North Bengal
43	Prof.Biswanath Chakraborty Department of Botany University of North Bengal
44	Prof. Kanak Kanti Bagchi Department of Economics University of North Bengal
45	Prof.Basudeb Basu Department of Chemistry

	University of North Bengal
46	Prof. Manjula Bera Department of Bengali University of North Bengal
<i>Principals of Affiliated Colleges</i>	
47	The Principal Cluni Women's College P.O:Kalimpong Dist:Darjeeling
48	The Principal Indian Institute of Legal Studies Dagapur,Siliguri Dist:Dargeeling
49	The Principal A.C.Training College P.O & Dist.Jalpaiguri
51	The Principal Maynaguri college P.O:Mainaguri Dist.Jalpaiguri Pin:735224
53	The Principal Islampur College P.O:Islampur Dist:Uttar Dinajpur
54	The Principal Salesian College P.O:& Dist:Darjeeling
55	The Principal Tufanganj College P.O:Tufanganj Dist:Cooch Behar
<i>Members nominated by the Chancellor:</i>	
56	Dr.Renu Bapna Advisor-I All India Council For Technical Education Chanderlok building, 7 th Floor, Janpath, New delhi-110001
57	Prof.Ammitava Roy Chaudhuri Sir Tarak Nath Palit Professor of Physics Department of Physics University Of Calcutta 92 Acharya Prafulla Chandra Road Kolkata-700009
58	Prof.Kalyan Kr.Datta 26/5-B Ballygunge Circular Road Kolkata-19

59	Prof.Bipul Kr.Bhadra Professor of Sociology Jadavpur University Kolkata-32
60	Prof.Arunoday Saha Former Vice-Chancellor Tripura University Suryamaninagar, Tripura(W),Pin:799022

LIST OF E.C. MEMBERS OF 2015-2016:

1	Prof. Somnath Ghosh Vice-Chancellor University of North Bengal
2	Sri Siladitya Basu Ray WBCS (Exe), Jt. Secretary Higher Education Department University Branch Bikash Bhavan, 6 th floor, Kolkata - 91
3	The Principal Secretary Department of Finance Govt. of West Bengal Writers' Buildings', Kolkata-01
5	Dr. Dipak Ranjan Mandal Vice - Chancellor Sidhu-Kanho-Birsa University Purelia Zilla Parisad Old Administrative Building, Jubilee Complex P.O. & Dist. - Purelia - 723101
6	Director of Public Instruction Govt. of West Bengal Education Directorate Bikash Bhavan, Salt Lake Kolkata - 91
	Prof. P.R. Sengupta Dean, Faculty Council for P.G. Studies in Arts, Commerce & Law University of North Bengal
7	Prof. Amitava Mukhopadhyay Dean, Faculty Council for P.G. Studies in Science University of North Bengal
Principals of Affiliated Colleges	
8	The Principal A.C. Training College P.O & Dist. Jalpaiguri
9	The Principal Jalpaiguri Law College Beguntari More, P.O & Dist. Jalpaiguri
10	The Principal Indian Institute of Legal Studies Dagapur, Siliguri Dist: Dargeeling
11	The Principal P.D. Women's College P.O. & Dist - Jalpaiguri

13	The Principal Maynaguri college P.O:Mainaguri Dist.Jalpaiguri Pin:735224
14	The Principal Sahid Kshudiram College P.O. – Kamakshyaguri Dist – Jalpaiguri
Other Members (Three Heads of the Departments):	
15	The Head Department of Computer Science & Application University of North Bengal
16	The Head Department of Economics University of North Bengal
17	The Head Department of English University of North Bengal
Chancellor's Nominee:	
18	Prof. Suparna Goptu University of Calcutta Department of History Kshudiram Siksha Prangan 1, Reformatory Street, Alipore Kolkata 700027
19	Prof. Mahendra P Lama Former Vice – Chancellor Sikkim University School of International Relations Jawaharlal Nehru University New Delhi PIN 110067

**LIST OF MEMBERS OF THE FACULTY COUNCIL FOR
P.G. STUDIES IN SCIENCE OF 2015-2016.**

- Prof. Dr. Somnath Ghosh, Hon'ble Vice-Chancellor, NBU - **Chairman**
- Prof. Anuradha Mukhopadhyay, Hon'ble Vice-Chancellor, DHWU -Nominee of the Hon'ble Vice-Chancellor, NBU.
- Dr. G. C. De, Department of Chemistry, Alipurduar College, Alipurduar. -Nominee of the Hon'ble Vice-Chancellor, NBU.
- The Dean, Faculty Council for P.G. Studies in Science - Vice-Chairman
- The Head of the Head of the Department of Chemistry
- The Head of the Head of the Department of Physics
- The Head of the Department of Mathematics
- The Head of the Department of Geography & Applied Geography
- The Head of the Department of Botany
- The Head of the Department of Zoology
- The Head of the Department of Biotechnology
- The Head of the Department of Computer Science & Application
- The Head of the Department of Anthropology
- The Head of the Department of Microbiology
- The Head of the Department of Tea Science
- Prof. Parag Sinchan Roy, Department of Chemistry
- Prof. Swapan Kr. Saha, Department of Chemistry – **(Retired on 05.01.2016)**
- Prof. Mahendra Nath Roy, Department of Chemistry
- Prof. Basudeb Basu, Department of Chemistry
- Prof. Amitabha Mukhopadhyay, Department of Physics
- Prof. Pradip Kr. Mandal, Department of Physics

Prof. Suparna De Sarkar, Department of Mathematics

Prof. Dhurjati Prasad Dutta, Department of Mathematics

Prof. Kamal Kanti Nandi, Department of Mathematics – (**Retired on 26.01.2016**)

Prof. Manoj Kr. Bose, Department of Mathematics

Prof. Subir Sarkar, Department of Geography & Applied Geography

Prof. Biswanath Chakraborty, Department of Botany

Prof. Usha Chakraborty, Department of Botany

Prof. Abhoy Prasad Das, Department of Botany

Prof. Prabir Kr. Sarkar, Department of Botany

Prof. Sudip Barat, Department of Zoology

Prof. Ananda Mukhopadhyay, Department of Zoology

Prof. Tapas Kr. Chaudhuri, Department of Zoology

Prof. Subhas Ch Paul, Department of Computer Science & Application

Prof. Ranjit Kr. Samanta, Department of Computer Science & Application

Prof. Nayan Ranjan Manna, Department of Computer Science & Application

Prof. Malay Kr. Das, Department of Physics

Prof. B. C. Paul, Department of Physics

Prof. Pranab Ghosh, Department of Chemistry

Prof. Amiya Kr. Panda, Department of Chemistry

Prof. Anirban Mishra, Department of Chemistry

Prof. Jaydip Sen, Department of Anthropology

Prof. Ranadhir Chakraborty, Department of Biotechnology

**LIST OF MEMBERS OF THE FACULTY COUNCIL FOR
P.G STUDIES IN ACL OF 2015-2016:**

Prof. Dr. Somnath Ghosh, Hon'ble Vice-Chancellor, NBU - Chairman.

Prof. Ranjan Chakrabarti, Hon'ble Vice-Chancellor, VU -Nominee of the Hon'ble Vice-Chancellor, NBU.

Dr. Mukul Ghosh, Surya Sen Mahavidyalaya, Siliguri – Nominee of the Hon'ble Vice-Chancellor, NBU.

The Dean, Faculty Council for P.G Studies in Arts, Com & Law, - Vice-Chairman.

The Head, Dept. of Bengali, NBU.

The Head, Dept. of Economics, NBU.

The Head, Dept. of Philosophy, NBU.

The Head, Dept. of History, NBU.

The Head, Dept. of English, NBU.

The Head, Dept. of Commerce, NBU.

The Head, Dept. of Nepali, NBU.

The Head, Dept. of Hindi, NBU.

The Head, Dept. of Mass Communication, NBU.

The Head, Dept. of Sociology, NBU.

The Head, Dept. of Political Science, NBU.

The Head, Dept. of Life Long Learning & Extension, NBU.

The Head, Dept. of Law, NBU.

The Head, Dept. of Library & Information Science, NBU.

The Head, Dept. of Management, NBU.

The Director, Centre for Himalayan Studies, NBU.

Prof. Subodh Kr. Jash, Dept. of Bengali, NBU.

Prof. Manjula Bera, Dept. of Bengali, NBU.

Prof. Nikhil Ch. Roy, Dept. of Bengali, NBU.

Prof. Utpal Mandal, Dept. of Bengali, NBU.

Prof. Manas Chakraborty, Dept. of Political Science, NBU.

Prof. Md. Yasin, Dept. of Political Science, NBU.

Prof. Soumitra. De, Dept. of Political Science, NBU.

Prof. Soumyajit Samanta, Dept. of English, NBU.

Prof. Ashis Sengupta, Dept. of English, NBU.

Prof. Ichhimuddin Sarkar, Dept. of History, NBU.
Prof. Anita Bagchi, Dept. of History, NBU.
Prof. Bijoy Kr. Sarkar, Dept. of History, NBU.
Prof. Sanchari Roy Mukherjee, Dept. of Economics, NBU.
Prof. Jeta Sankirtayana, Dept. of Economics, NBU.
Prof. Anil Bhuimali, Dept. of Economics, NBU.
Prof. Kanak Kanti Bagchi, Dept. of Economics, NBU.
Prof. Kantilal Das, Dept. of Philosophy, NBU.
Prof. Jyotish Ch. Basak, Dept. of Philosophy, NBU.
Prof. Debika Saha, Dept. of Philosophy, NBU.
Prof. Palas Ranjan Sengupta, Dept. of Commerce, NBU.
Prof. Indrajit Roy, Dept. of Commerce, NBU.
Prof. Samirendra Nath Dhar, Dept. of Commerce, NBU.
Prof. Ajit Kr. Roy, Dept. of Commerce, NBU.
Prof. Hirak Ray, Dept. of Commerce, NBU.
Prof. Dipen Roy, Dept. of Commerce, NBU.
Prof. Debabrata Mitra, Dept. of Commerce, NBU.
Prof. Rajatsubhra Mukhopadhyay, Dept. of Sociology, NBU.
Prof. Mita Bhadra, Dept. of Sociology, NBU.
Prof. Sanjoy Kr. Roy, Dept. of Sociology, NBU.
Prof. Saswati Biswas, Dept. of Sociology, NBU.
Prof. Sekh Rahim Mandal, Centre for Himalayan Studies, NBU.
Prof. Rangadhar Sahu, Centre for Himalayan Studies, NBU.
Prof. Maitreyee Choudhury, Centre for Himalayan Studies, NBU.
Prof. Karubaki Dutta, Centre for Himalayan Studies, NBU.
Prof. Mohan Prasad Dahal, Dept. of Nepali, NBU.
Prof. Ghanshyam Nepal, Dept. of Nepali, NBU.
Prof. Gangotri Chakraborty, Dept. of Law, NBU.
Prof. Rathin Bandopadhyay, Dept. of Law, NBU.
The Librarian, NBU (Invitee).

CHAPTER - XI

**NEW APPOINTMENTS, FAREWELL
& OBITUARY**

**DATE OF JOINING, RETIRED AND OBITUARY OF OFFICERS,
TEACHERS & NON – TEACHING STAFF 2015 – 2016.**

DATE OF JOINING – TEACHER

Nil

DATE OF JOINING – OFFICER

Nil

DATE OF JOINING – NON – TEACHING

- i. Kousik Dey (UR), University B.T. & Evening College, College 02/11/2015
- ii. Biswadev Singha (SC), University Library 02/11/2015
- iii. Ganesh Mahali (ST), Office of the Registrar 02/11/2015
- iv. Jyoti D. Rozario (UR), Office of the Finance Officer 02/11/2015
- v. Sayan Dutta (UR), Office of the Finance Officer 02/11/2015
- vi. Rubi Thapa (Rai) (UR), Office of the Registrar 02/01/2015
- vii. Joytish Singha (SC), Watch & Ward Department 02/11/2015
- viii. Ravi Mallick (UR), Health Centre 02/11/2015

Retired – Teacher

Sl. No.	Name of the Teacher	Department	Date of Retirement
01.	Prof. Manas Chakraborty	Political Science	30/11/2015
02.	Prof. Ajit Kr. Roy	Commerce	01/01/2016
03.	Prof. Swapan Kumar Saha	Chemistry	06.01.2016
04.	Prof. Kamal Kanti Nandi	Mathematics	27.01.2016

Retired / Resigned – Officer

Sl. No.	Name of the Officer	Department	Date of Retirement / Resigned
01.	Dr. Rahul Majumdar	Office of the Registrar	01/11/2015 (resigned)
02.	Dr. Dilip Kumar Sarkar	Office of the Registrar	16.02.2016 (removal from service vide E.C. decision dated 21/01/2016)

Retired – Non – Teaching

Sl. No.	Name of the Employee	Department	Date of Retirement
01.	Sri Ajit Mukuti	Engineering Branch	01/02/2015
02.	Sri Samir Kumar Halder	Engineering Branch	01/07/2015
03.	Sri Pradip Kumar Kundu	Botany	01/02/2015
04.	Sri Samar Ghosh	Office of the Registrar	01/03/2015
05.	Smt. Rita Ghosh	Computer Centre	01/05/2015
06.	Sri Subhasis Roy	Office of the Finance Officer	01/07/2015
07.	Sri Samar Chakraborty	Office of the Controller	01/01/2016
08.	Sri Ashok Roy	Office of the Registrar	01/02/2016
09.	Sri. Swadesh Ch. Sanyal	Watch & Ward	01/12/2015
10.	Sri Gopal De Sarkar	Watch & Ward	01/03/2016
11.	Sri Sabindra Nath Ghosh	University Press	01/12/2015
12.	Sri Narayan Ch. Das	Engineering Branch	01/02/2016
13.	Sri Shyamal Kanti Dey	University Library	01/03/2016

Obituary

Teacher – NIL

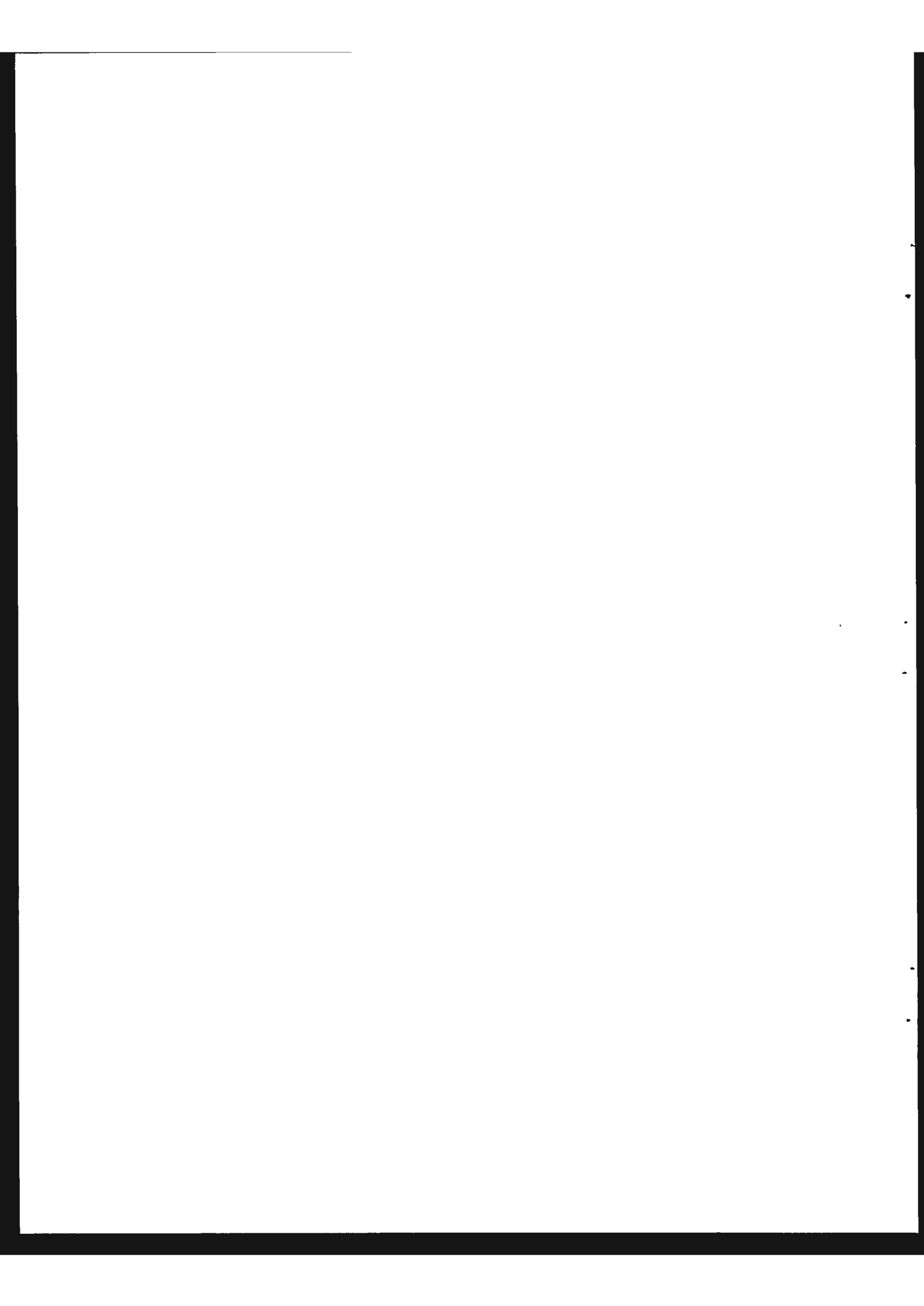
Officer – NIL

Non – Teaching:

Sl. No.	Name of the Employee	Department	Date of Expired
01.	Nabin Singha	Office of the Registrar	24/01/2015
02.	Jayanti Goswami	Bengali	01/10/2015
03.	Samir Karmakar	Office of the Finance Officer	20/01/2016

CHAPTER - XII

CONVOCATION



Ph.D. list of 46th Annual Convocation
(Old)

Sl. No.	Name of the Candidate	Name of the Supervisor(s)	Subject	Topic	Degree Obtained (as per old ordinances)	Date when Admitted
01	Sadek Ali	Prof. Kantilal Das	Philosophy	PROPER NAMES : A COMPARATIVE STUDY AMONG MILL. RUSSELL AND FREGE	Ph.D. (Arts)	13/5/2015
02	Parimal Chandra Das	Prof. Ankush Bhatta	Bengali	রমাপদ চৌধুরীর উপন্যাসে বাঙালি মধ্যবিত্তের জীবন	Ph.D. (Arts)	29/6/2015
03	Krishna Kant Yadav	Dr. Ranadhir Chakraborty	Biotechnology	Studies on the molecular physiology of biofilm formation in metal tolerant bacteria - Acinetobacter junii BB1A (Acc.no.LMG22734)	Ph.D. (Science)	29/6/2015
04	Kanchan Kumar Dey	Prof. A. Bhatta	Bengali	অভিজিৎ সেনের ছোটগল্প : বিষয়বস্তু ও শিল্পরীতির বিশ্লেষণ	Ph.D. (Arts)	07/8/2015
05	Pankoj Kumar Sarkar	Prof. A. Bhatta	Bengali	জীবনানন্দের কথাসাহিত্যে দাম্পত্য সম্পর্কের রূপ	Ph.D. (Arts)	07/8/2015
06	Utpal Roy	Prof. Ratna Roy Sanyal	History	GROWTH AND DEVELOPMENT OF RAILWAYS IN NORTH BENGAL AND ITS IMPACT ON SOCIETY AND ECONOMY (1870 -1950)	Ph.D. (Arts.)	07/8/2015
07	Tapan Roy Pradhan	Dr. N.C. Ray	Bengali	উত্তরবঙ্গের রাজবংশী প্রবাদ-প্রবচন : একটি আধ-সামাজিক সমীক্ষণ	Ph.D. (Arts)	07/8/2015
08	Asutosh Taraphdar	Prof. H. Bhaumik	Civil Engineering	Studies on recycling of Soak liquor and Salt (NaCl) Recovery	Ph.D. (Engineering)	07/8/2015
09	Animesh Sarkar	Prof. A.P. Das	Botany	Non-Timber Forest Produces and Their Conservation in Buxa Tiger Reserve, West Bengal, India	Ph.D. (Science)	07/8/2015
10	Sapna Gurung	Prof. S. De	Political Science	POLITICAL DEMOCRACY AND SIKKIM DEMOCRATIC FRONT: A STUDY	Ph. D. (Arts)	07/8/2015
11	Ipsita Haldar	Prof. S. De	Political Science	Gandhi and Modern Republican Theory of Freedom as Non-Domination : A study	Ph.D. (Arts)	21/01/2016
12	Nitesh Mozika	Prof. G.Chakraborty	Law	FRACTURED ELECTION MANDATE AND FORMATION OF MINISTRIES UNDER THE INDIAN CONSTITUTION	Ph.D. (Law)	21/01/2016
13	Suvash Chandra Dasgupta	Dr. C. Laha	English	TRANSLATION AS INTERPRETATION: A STUDY OF WILLIAM RADICE'S TAGORE TRANSLATIONS	Ph.D. (Arts)	21/01/2016
14	Banani Mandal	Prof. M. Bera	Bengali	কালকূট-রচনা : বিষয় ভাবনা ও শিল্পরূপ	Ph.D. (Arts)	21/01/2016
15	Sonali Sarkar	Prof. A. Mishra	Chemistry	Theoretical Investigation on Addition Reactions	Ph.D. (Science)	21/01/2016
16	Somenath Bhattacharjee	Dr. S.K. Biswas and Prof. B. Chaudhuri	Anthropology	Occupation and Health : A Study Among The Stone Crushers of Balasan Colony. Darjeeling District in West Bengal	Ph.D. (Science)	21/01/2016
17	Biswanath Gan	Dr. S.K. Biswas & Dr. P. Tarafdar	Anthropology	A Study on the Status of Child - Workers in Balasan River Basin, Matigara Block, Darjeeling District	Ph.D. (Science)	

**Ph.D. list of 46th Annual Convocation
(as per New Ordinances)**

Sl. No.	Name of the Candidate	Name of the Supervisor(s)	Subject	Topic	Degree Obtained (as per New ordinances)	Date when Admitted
01	Soma Das	Prof. Ananda Mukhopadhyay	Zoology	A study on some aspects of bio-ecology and variability in defense enzymes of major lepidopteran and mite pests of tea from Darjeeling Terai	Ph.D. (Science)	13/5/2015
02	Rimi Dutta	Dr. Pinak Tarafdar	Anthropology	Concept of Health, Disease and Treatment among The Totos of Totopara in Jalpaiguri District, West Bengal	Ph.D. (Science)	29/6/2015
03	Sanjita Allay	Prof. B.N. Chakraborty	Botany	Screening of Arbuscular Mycorrhizal Fungi and Plant Growth Promoting Fungi from rhizosphere of <i>Citrus reticulata</i> Blanco and their assessment for management of root rot disease	Ph.D. (Science)	07/8/2015
04	Tamojit Roy	Dr. Hirak Ray	Commerce	Cross Country Diversification of Fund and Risk Management: Lessons for Indian Investors	Ph.D. (Commerce)	07/8/2015
05	Mitali Ghosal	Dr. P. Mandal	Botany	EVALUATION OF ANTIOXIDANT ACTIVITIES OF SOME LOCALLY AVAILABLE EDIBLE PLANTS OF DARJEELING HIMALAYA	Ph.D. (Science)	07/8/2015
06	Rudra Prasad Roy	Prof. S. Barat	Zoology	Investigation of pathogenic bacteria of a resident fish, <i>Lepidocephalichthys guntea</i> (Hamilton Buchanan), in relation to limnochemistry of a Terai river Lotchka in the Darjeeling foothills of West Bengal, India	Ph.D. (Science)	07/8/2015
07	Chiranjib Mukherjee	Dr. Utpal Mandal	Bengali	বলেপ্ত্রনাথের পবনক সাহিত্য : সৃষ্টি ও শৈলী	Ph.D. (Arts)	07/8/2015

46TH ANNUAL CONVOCATION TO BE HELD ON 18TH February, 2016
PROVISIONAL LIST OF UNIVERSITY MEDAL HOLDERS
P.G. EXAMINATIONS, 2015

GOLD MEDAL

Sl.No.	Name	Subject	Examination	Position
01	Sanchita Ghosh	Bengali	M.A. (2015)	1 st class 1 st
02	Chhatra Kumar Tamang	Nepali	M.A. (2015)	1 st class 1 st
03	Tanay Chanda	Economics	M.A. (2015)	1 st class 1 st
04	Dipsikha Pradhan	History	M.A. (2015)	1 st class 1 st
05	Ambika Chettri	Political Science	M.A. (2015)	1 st class 1 st
06	Sushmita Pradhan	Sociology	M.A. (2015)	1 st class 1 st
07	Shourav Nandy	Strategic & Area Studies	M.A. (2015)	1 st class 1 st
08	Anamika Sarkar	Sanskrit	M.A. (2015)	1 st class 1 st
09	Ritambhara Chakraborty	Philosophy	M.A. (2015)	1 st class 1 st
10	Brajesh Kumar Choudhary	Hindi	M.A. (2015)	1 st class 1 st
11	Sumuna Lama	Commerce	M.Com. (2015)	1 st class 1 st
12	Rajib Mitra	Geography & Applied Geography	M.A. (2015)	1 st class 1 st
13	Pooja Biswas	Mass Communication	M.A. (2015)	1 st class 1 st
14	Barnali Das	Rural Development	M.A. (2015)	1 st class 1 st
15	Nibedita Kar	Physics	M.Sc. (2015)	1 st class 1 st
16	Suchandra Bhattacharya	Chemistry	M.Sc. (2015)	1 st class 1 st
17	Debalina Bhowmick	Mathematics	M.Sc. (2015)	1 st class 1 st
18	Mridushree Basak	Botany	M.Sc. (2015)	1 st class 1 st
19	Kamalika Roy	Zoology	M.Sc. (2015)	1 st class 1 st
20	Deena Gurung Darjeeling Govt. College	Botany	M.Sc. (2014)	1 st class 1 st
21	Suman Dahal Darjeeling Govt. College	Zoology	M.Sc. (2014)	1 st class 1 st
22	Anwasha Chakraborty	Anthropology	M.Sc. (2015)	1 st class 1 st
23	Neha Shashikant Kulkarni	Biotechnology	M.Sc. (2015)	1 st class 1 st
24	Subhajit Sen	Microbiology	M.Sc. (2015)	1 st class 1 st
25	Rishav Upadhyay	Computer Science	M.Sc. (2015)	1 st class 1 st
26	Debasmita Mallick		M.C.A(2015)	1 st class 1 st
27	Avinash Bhujel	Tea Science	M.Sc. (2015)	1 st class 1 st
28	Sanchayita Dey		MLIS (2014)	1 st class 1 st
29			MLIS (2015)	1 st class 1 st
30	Sanchayan Dutta		MBA (2015)	1 st class 1 st
31	Avin Tiwari		LL.M. (2015)	1 st class 1 st

SILVER MEDAL

Sl.No.	Name	Subject	Examination	Position
32	Haimanti Sarkar	Bengali	M.A. (2015)	1 st class 2 nd
33	Arkabrata Chaudhury	English	M.A. (2015)	2 nd class 1 st
34	Meena Kumari Rai	Nepali	M.A. (2015)	1 st class 2 nd
35	Saptadeep Chowdhury	Economics	M.A. (2015)	1 st class 2 nd
36	Prerna Tamang	History	M.A. (2015)	1 st class 2 nd
37	Khusboo Gurung	Political Science	M.A. (2015)	1 st class 2 nd
38	Rukmani Sharma	Sociology	M.A. (2015)	1 st class 2 nd
39	Sampurna Mandal	Strategic & Area Studies	M.A. (2015)	1 st class 2 nd

40	Chaitali Roy	Sanskrit	M.A. (2015)	1 st class 2 nd
41	Goutam Mahanta	Sanskrit	M.A. (2015)	1 st class 2 nd
42	Jayanta Barman	Philosophy	M.A. (2015)	1 st class 2 nd
43	Dipankar Pathak	Hindi	M.A. (2015)	1 st class 2 nd
44	Koyel Das	Geography & Applied Geography	M.A. (2015)	1 st class 2 nd
45	Arpita Das	Rural Development	M.A. (2015)	1 st class 2 nd
46	Rumi Paul Chowdhury	Commerce	M.Com. (2015)	1 st class 2 nd
47	Anirban Chanda	Physics	M.Sc. (2015)	1 st class 2 nd
48	Abhisikta Bhowmick	Chemistry	M.Sc. (2015)	1 st class 2 nd
49	Deborupa Sarkar	Mathematics	M.Sc. (2015)	1 st class 2 nd
50	Mriganka Kumar Das	Botany	M.Sc. (2015)	1 st class 2 nd
51	Sudeb Sarkar	Zoology	M.Sc. (2015)	1 st class 2 nd
52	Debolina Sen Darjeeling Govt. College	Botany	M.Sc. (2014)	1 st class 2 nd
53	Arghya Acharjee Darjeeling Govt. College	Zoology	M.Sc. (2014)	1 st class 2 nd
54	Pooja Kumari Saha	Anthropology	M.Sc. (2015)	1 st class 2 nd
55	Suravi Mukherjee	Biotechnology	M.Sc. (2015)	1 st class 2 nd
56	Rasna Lakhotia	Biotechnology	M.Sc. (2015)	1 st class 2 nd
57	Moumita Goswami	Microbiology	M.Sc. (2015)	1 st class 2 nd
58	Shibaji Kundu	Computer Science	M.Sc. (2015)	1 st class 2 nd
59	Esita Bhattacharyya		M.C.A(2015)	1 st class 2 nd
60	Chaitali Roy	Tea Science	M.Sc. (2015)	1 st class 2 nd
61	Arpita Dutta		MLIS (2014)	1 st class 2 nd
62			MLIS (2015)	1 st class 2 nd
63	Ragini Mishra		MBA (2015)	1 st class 2 nd
64	Tshering Den Bhutia		LL.M. (2015)	1 st class 2 nd
65	Deepbyasha Chhetri	Mass Communication	M.A. (2015)	1 st class 2 nd

ENDOWMENT MEDAL/PRIZE (P.G. EXAMINATIONS 2015)

Sl. No.	Name of the Medal	Name of the candidate and position	Donor
66	Mukutmani Medal	Tanay Chanda 1 st class 1 st M.A. (Economics),2015	Late Kalipada Mukutmani
67	Surojmohini Debi Medal	Dipsikha Pradhan 1 st class 1 st M.A. (History),2015	Sri Nripen Baksi
68	Sulana Datta Memorial Prize	Sanchita Ghosh 1 st class 1 st M.A. (Bengali),2015	Sri M.B. Datta
69	Birendra Chandra Chatterjee Smriti Puraskar	Ambika Chettri 1 st class 1 st M.A. (Pol. Science),2015	Sri Krishna Chandra Chatterjee
70	Thakur Panchanan Burma Memorial Medal	Sushmita Pradhan 1 st class 1 st M.A. (Sociology),2015	Panchanan Smarak Samiti
71	Dr. Parasmani Pradhan Memorial Medal	Chhatra Kumar Tamang 1 st class 1 st M.A. (Nepali),2015	Sri Indramani Pradhan
72	Late K.C. Dev Prize	Sumuna Lama 1 st class 1 st M.Com., 2015	Prof. K. Dev
73	Late Sudhir Ch. Chakraborty Memorial Medal	Sumuna Lama 1 st class 1 st M.Com., 2015	Late Sova Rani Chakraborty
74	Surendranath Bhattacharya Medal	Suchandra Bhattacharya 1 st class 1 st M.Sc. (Chemistry),2015	Late Anandamay Bhattacharya
75	Tariniprosad Roy Medal	Nibedita Kar 1 st class 1 st M.Sc. (Physics), 2015	Late S.P. Roy
76	Late Sudhir Ch. Chakraborty Memorial Medal	Nibedita Kar 1 st class 1 st M.Sc. (Physics), 2015	Late Sova Rani Chakraborty
77	Kiran Ch. Bhattacharya Medal	Debalina Bhowmick 1 st class 1 st M.Sc. (Mathematics),2015	Late Kanti Ch. Bhattacharya

78	Late Sourav Bhattacharya Memorial Prize	Debasmita Mallick 1 st class 1 st (M.C.A.),2015	Sri Pulak Bhattacharya
79	Jindal Jublee Gold Medal	Debasmita Mallick 1 st class 1 st (M.C.A.),2015	Jindal Aluminium Ltd.
80	Medal	Debalina Bhowmick Obtained highest marks in the Faculty of Science,2015	NBU Alumni Association
81	Bidhuranjan Adhikary Memorial Medal	Rajib Mitra 1 st class 1 st M.A. (Geography & Appl. Geo.), 2015	Smt. Sumita Adhikary
82	Scholarship	Prity Shah Obtained highest marks in (1 st & 2 nd Semester Combined) Economics,2015	Prof. Bhaskar Dutta
83	Medal	Sumuna Lama Obtained highest marks Faculty of Arts, Commerce & Law, 2015	NBU Alumni Association
84	Abaninath Bhattacharya Medal	Arkabrata Chaudhury 1 st position M.A. (English),2015	Late Anandamay Bhattacharya
85	Tarulata Mitra Memorial Medal	Arkabrata Chaudhury 1 st position M.A. (English),2015	Sri Prasanta Kr. Mitra
86	Late Ananga R. Sengupta Memorial Medal	Ravinder Singh Highest marks in P.G.D.T.M., 2015	Prof. P.R. Sengupta

46TH ANNUAL CONVOCATION TO BE HELD ON 18TH February, 2016
PROVISIONAL LIST OF UNIVERSITY MEDAL HOLDERS
U.G. EXAMINATIONS, 2015

GOLD MEDAL

Sl.No.	Name	Subject	Examination	Position
01	Arindam Bhattacharjee	Physics	B.Sc. (Hons.) 2015	1 st class 1 st
02	Rajiv Kumar Dutta	Chemistry	B.Sc. (Hons.) 2015	1 st class 1 st
03	Sourav Hossain	Mathematics	B.Sc. (Hons.) 2015	1 st class 1 st
04	Divya Pradhan	Botany	B.Sc. (Hons.) 2015	1 st class 1 st
05	Sayantan Chanda	Zoology	B.Sc. (Hons.) 2015	1 st class 1 st
06	Monisha Dey	Physiology	B.Sc. (Hons.) 2015	1 st class 1 st
07	Satavisha Banerjee	Computer Science	B.Sc. (Hons.) 2015	1 st class 1 st
08	Ankita Dutta	Microbiology	B.Sc. (Hons.) 2015	1 st class 1 st
09	Diganta Ray	English	B.A. (Hons.) 2015	1 st class 1 st
10	Kushal Tamang	Nepali	B.A. (Hons.) 2015	1 st class 1 st
11	Babli Kumari Sah	Hindi	B.A. (Hons.) 2015	1 st class 1 st
12	Subhadip Ghosh	Sanskrit	B.A. (Hons.) 2015	1 st class 1 st
13	Debapriya Paul	History	B.A. (Hons.) 2015	1 st class 1 st
14	Isha Garg	Political Science	B.A. (Hons.) 2015	1 st class 1 st
15	Shuvanjali Paul	Economics	B.A. (Hons.) 2015	1 st class 1 st
16	Biswajit Paul	Geography	B.A. (Hons.) 2015	1 st class 1 st
17	Subhajit Dutta	Philosophy	B.A. (Hons.) 2015	1 st class 1 st
18	Samip Sinchuri	Sociology	B.A. (Hons.) 2015	1 st class 1 st
19	Shradha Rai	Sociology	B.A. (Hons.) 2015	1 st class 1 st
20	Nivedita Saha	Education	B.A. (Hons.) 2015	1 st class 1 st
21	Joyeeta Dey	Education	B.A. (Hons.) 2015	1 st class 1 st
22	Kritika Nair	Mass Comm. & Journalism	B.A. (Hons.) 2015	1 st class 1 st
23	Md. Saha Reza	Urdu	B.A. (Hons.) 2015	1 st class 1 st
24	Subham Agarwal	Accounting	B.Com. (Hons.), 2015	1 st class 1 st
25	Tanisha Kansal	Management	B.Com. (Hons.) 2015	1 st class 1 st
26	Sahansheela Sharma		B.A. LL.B. (Hons.) 2015	1 st class 1 st

SILVER MEDAL

27	Agnibha De Sarkar	Physics	B.Sc. (Hons.) 2015	1 st class 2 nd
28	Pallabi Ghosh	Chemistry	B.Sc. (Hons.) 2015	1 st class 2 nd
29	Chandra Sekhar Mahato	Mathematics	B.Sc. (Hons.) 2015	1 st class 2 nd
30	Shobhon Paul	Botany	B.Sc. (Hons.) 2015	1 st class 2 nd
31	Shayantani Chakraborty	Zoology	B.Sc. (Hons.) 2015	1 st class 2 nd
32	Anupama Rai	Physiology	B.Sc. (Hons.) 2015	1 st class 2 nd
33	Poulomi Choudhury	Computer Science	B.Sc. (Hons.) 2015	1 st class 2 nd
34	Aishwarya Rai	Microbiology	B.Sc. (Hons.) 2015	1 st class 2 nd
35	Nikita Sharma	Accounting	B.Com. (Hons.) 2015	1 st class 2 nd
36	Sunanda Roy	Management	B.Com. (Hons.) 2015	1 st class 2 nd
37	Laden Sherpa	English	B.A. (Hons.) 2015	1 st class 2 nd
38	Rekha Thapa	Nepali	B.A. (Hons.) 2015	1 st class 2 nd
39	Pratima Barman	Sanskrit	B.A. (Hons.) 2015	1 st class 2 nd
40	Biplab Singha	Political Science	B.A. (Hons.) 2015	1 st class 2 nd
41	Nikita Biswakarma	Economics	B.A. (Hons.) 2015	1 st class 2 nd
42	Sangita Karmakar	Geography	B.A. (Hons.) 2015	1 st class 2 nd
43	Swapna Barman	Philosophy	B.A. (Hons.) 2015	1 st class 2 nd
44	Avhinanda Ghosh	Sociology	B.A. (Hons.) 2015	1 st class 2 nd
45	Rajni Kishori Kerketta	Sociology	B.A. (Hons.) 2015	1 st class 2 nd
46	Puja Das	Education	B.A. (Hons.) 2015	1 st class 2 nd
47	Md. Sahanawaj Hussain	Urdu	B.A. (Hons.) 2015	1 st class 2 nd
48	Navina Sharma		B.A. LL.B. (Hons.) 2015	1 st class 2 nd
49	Priyanka Laha	Bengali	B.A. (Hons.) 2015	2 nd class 1 st
50	Sreyashi Basu	History	B.A. (Hons.) 2015	2 nd class 1 st
51	Abhishek Paul	Mass Comm. & Journalism	B.A. (Hons.) 2015	1 st class 2 nd
52	Arati Sah	Hindi	B.A. (Hons.) 2015	2 nd class 1 st
53	Sneha Pandey		LL.B (3 yrs.) 2015	1 st Class 1 st
54	Sushanta Barman		B.A. General (2015)	1 st class 1 st
55	Sourabh Leo Mardi		B.Com. General (2015)	1 st class 1 st
56	Bubun Barman		B.Sc. General (2015)	1 st class 1 st
57	Pooja Sinha		B.A. LL.B. General (2015)	1 st class 1 st
University Bronze Medal				
58	Gourab Ghosh		BLIS (2015)	1 st class 1 st
59	Rinky Roy		B.Ed. (2015)	1 st class 1 st
60	Rejina Gurung		B.Ed. (2015)	1 st class 1 st
61	Dipak Singha		Physical Education, 2015	1 st class 1 st

ENDOWMENT MEDAL/PRIZE (U.G. EXAMINATIONS 2015)

Sl. No.	Name of the Medal	Name of the candidate and position	Donor
62	Tarapada Banerjee Medal	Diganta Ray 1 st class 1 st B.A. (Hons.)(English),2015	Late Tarapada Banerjee
63	Kartick Ch. Maiti Memorial Medal	Laden Sherpa Securing second highest marks in B.A. (Hons.) in English, 2015	Dr. Kartick Ch. Maiti
64	Bisweswari Devi Medal	Subhadip Ghosh 1 st class 1 st B.A. (Hons.)(Sanskrit), 2015	Sri Nripen Baksi
65	Book Prize	Subham Agarwal 1 st class 1 st B.Com. (Hons.)(Accounting), 2015	Institute of Chartered Accountants of India
66	Book Prize	Tanisha Kansal 1 st class 1 st B.Com. (Hons.)(Management), 2015	Institute of Chartered Accountants of India
67	Late Premada Devi Medal	Subham Agarwal 1 st class 1 st B.Com. (Hons.)(Accounting), 2015	Prof. K. Dev
68	Late Premada Devi Medal	Tanisha Kansal 1 st class 1 st B.Com. (Hons.)(Management), 2015	Prof. K. Dev
69	Dr. Abul Kasem Memorial Medal	Subhajt Dutta 1 st class 1 st B.A. (Hons.)(Philosophy), 2015	Dr. Hasna Hana Begum
70	Narmada Devi Memorial Gold Medal	Subhadip Ghosh Securing highest marks in B.A. (Hons.) examination including all subjects, 2015	Smt. Jayasree Sengupta
71	Jyotsnamayee Medal	Supriya Roy Highest marks among the girls student in B.A. General Course, 2015	Late Tarapada Banerjee
72	Jyotsnamayee Medal	Chumki Ghosh Highest marks among the girls student in B.Sc. General Course, 2015	Late Tarapada Banerjee
73	Parul Prabha Mukherjee & Sri Haridas Mukherjee Memorial Medal	Isha Garg 1 st class 1 st B.A. (Hons.) (Political Science), 2015	Prof. Saktidas Mukherjee
74	Gold Medal	Navina Sharma 1 st class 2 nd B.A. LL.B. (Hons.), 2015	Janpath Samachar
75	Late Dr. Ajoy Ranjan Chakraborty Memorial Prize	Gourab Ghosh 1 st position in B.L.I.S., 2015	Smt. Krishna Chakraborty
76	Bibhutibhusan Ghosh Memorial Medal	Pooja Sinha 1 st position in BA. LLB (General 2015)	Smt. Ruma Ghosh
77	P.K. Sengupta Memorial Gold Medal	Pooja Sinha Highest marks in BA. LLB. (General, 2015)	Smt. Jayasree Sengupta
78	Late Dibish Ch. Ray Memorial Medal	Pooja Sinha 1 st position in BA. LLB (General, 2015)	Smt. Bharati Ray

CHAPTER – XIII
AFFILIATED COLLEGES

Affiliated Colleges

Sl. No.	Details	Numbers/Names, Remarks
1.	Total number and name of colleges affiliated to the University of North Bengal	60 <i>(Annexure - I)</i>
2.	Total number of teachers in the affiliated colleges (college wise)	1634 <i>Annexure - II</i>
3.	Name of the new colleges for the academic session 2015-16	1. Eastern Dooars B.Ed. Training College 2. Manoranjan Saha B.Ed. Training College 3. Govt. General Degree College (Gorubathan) 4. Govt. General Degree College (Pedong) 5. Pijush Kanti Mukherjee Mahavidyalaya
4.	Number and name of the constituent colleges	1. University B.T. Evening College
5.	Total number of teachers in constituent colleges college-wise	37 <i>(University BT & Evening College)</i>
6.	Number and name of the total Non-government colleges (including minority college and private colleges)	55 <i>(Annexure - III)</i>
7.	Number and name of the total B.Ed. colleges	a) Govt.-aided colleges 1. S.R.B.T. College 2. Siliguri B.Ed.College 3. A.C.Training College 4. University B.T.& Evening College b) Self-financed Colleges 1. Coochbehar B.Ed. Training College 2. Vidyasagar College of Education 3. Kabiguru Rabindranath College of Education 4. Alipurduar B.Ed. Training College 5. Dhupguri College of Education 6. NBS College of Education 7. Pragati College of Education 8. Eastern Dooars B.Ed. Training College 9. Manoranjan Saha B.Ed. Training College
8.	Number and name of the total B.P.Ed colleges	1. Model B.P.Ed. College
9.	All Law colleges affiliated to the University of North Bengal including department of law, NBU	1. Jalpaiguri Law College 2. Indian Institute of Legal Studies 3. Department of Law, NBU
10.	Total Honours subject of all colleges affiliated to the University of North Bengal	B.A.=15, B.Sc.=10, B.Com.=03
11.	Total number of teachers in University colleges college-wise	University B.T. & Evening College- 37
12.	Total enrolment, Graduate level all courses	UG – 91386
13.	Percentage of SC/ST/OBC/BC/PWD,	SC=27%, ST=7%, OBC=17%

	minorities	
14.	Number and name of the total autonomous colleges	Nil

Annexure – I

Total number and name of colleges affiliated to the University of North Bengal:

Sl. no.	Name of the Colleges	Sl. no.	Name of the Colleges
1.	Darjeeling Government College	31.	Falakata College
2.	Kalimpong College	32.	Alipurduar College
3.	Bijanbari Degree College	33.	PMS Mahavidyalaya
4.	Kurseong College	34.	Sukanta Mahavidyalaya
5.	St. Joseph's College	35.	Vivekananda College
6.	Cluny Women's College	36.	Saheed Kshudiram College
7.	South Field College	37.	Nani Bhattacharjee S. Mahavidyalaya
8.	Siliguri College	38.	Maynaguri College
9.	SRBT College	39.	N.B. St. Xavier's College
10.	Siliguri College of Commerce	40.	Alipurduar Mahila Mahavidyalaya
11.	Salesian College	41.	Model B.P.Ed. College
12.	Siliguri Mahila Maha vidyalaya	42.	Rajganj College
13.	Sonada Degree College	43.	Samuktala Sidhu Kanhu College
14.	Siliguri B.Ed. College	44.	University B.T. & Evening College
15.	K.P. Ghosh Tarai Mahavidyalaya	45.	Coochbehar B.Ed. Training College
16.	Surya Sen Mahavidyalaya	46.	Islampur College
17.	Mirik Degree College	47.	Kabiguru Rabindranath College of Education
18.	Ghoom Jorebunglow Degree College	48.	Alipurduar B.Ed. Training College
19.	Gyanjyoti College	49.	Chopra Kamala Paul Smriti Mahavidyalaya
20.	Nakshalbari College	50.	Dhupguri Girls' College
21.	Vidyasagar College of Education	51.	Lilabati Mahavidyalaya
22.	Munshi Premchand Mahavidyalaya	52.	Dhupguri College of Education
23.	A.P.C. Roy Govt. College	53.	N.B.S. College of Education
24.	Indian Institute of Legal Studies	54.	Pragati College of Education
25.	Ananda Chandra College	55.	Govt. General Degree College (Hindi Medium)
26.	Ananda Chandra College of Commerce	56.	Eastern Dooars B. Ed. Training College
27.	Ananda Chandra Training College	57.	Manoranjan Saha B.Ed. Training College
28.	P.D. Women's College	58.	Govt. General Degree College (Gorubathan)
29.	Birpara College	59.	Govt. General Degree College (Pedong)
30.	Jalpaiguri Law College	60.	Pijush Kanti Mukherjee Mahavidyalaya

Total number of teachers in the affiliated Colleges (college wise):

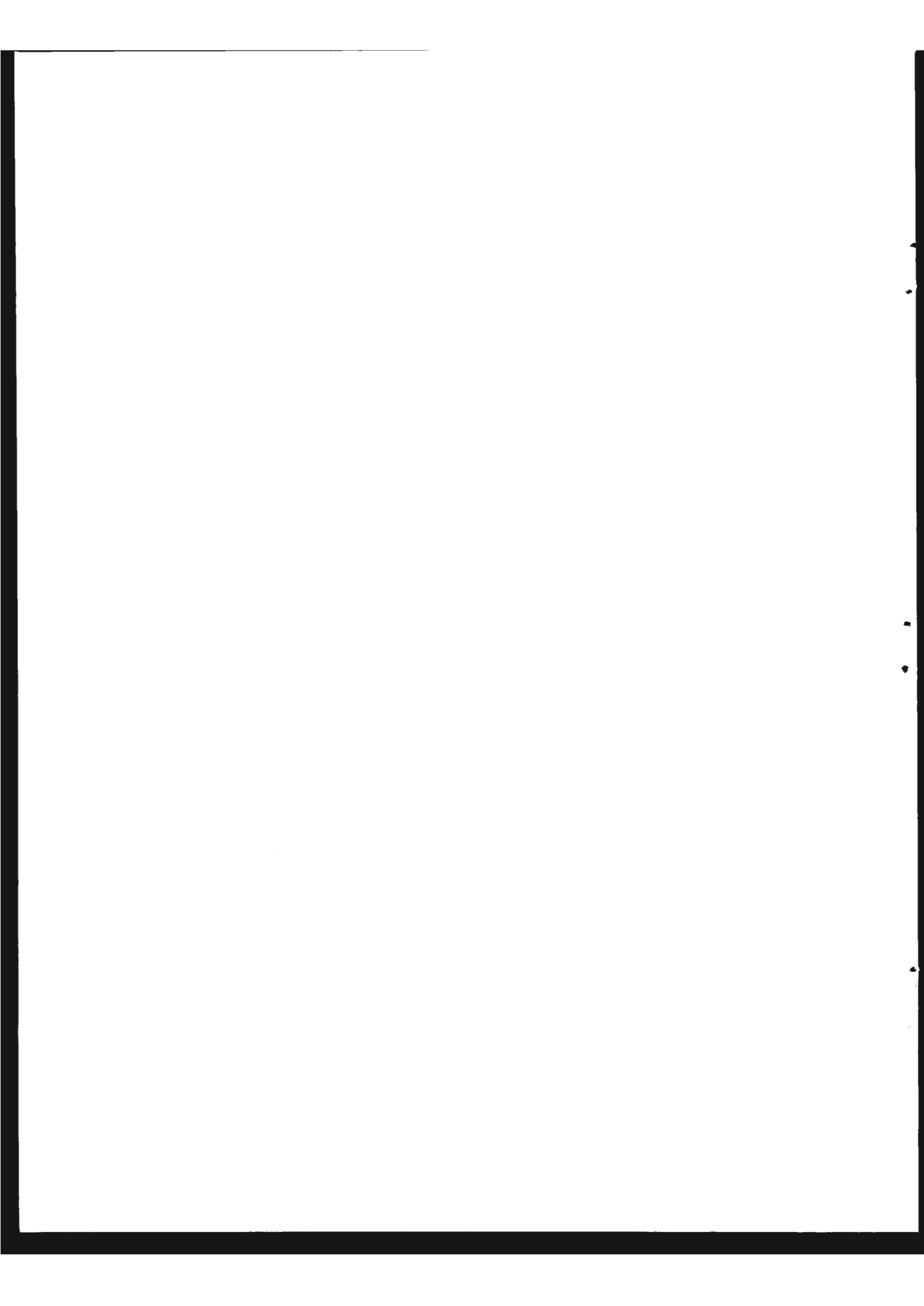
Sl. no.	Name of the Colleges	Total number of Teachers	Sl. no.	Name of the Colleges	Total number of Teachers
1.	Darjeeling Government College	176	31.	Falakata College	10
2.	Kalimpong College	50	32.	Alipurduar College	46
3.	Bijanbari Degree College	07	33.	PMS Mahavidyalaya	39
4.	Kurseong College	46	34.	Sukanta Mahavidyalaya	34
5.	St. Joseph's College	78	35.	Vivekananda College	15
6.	Cluny Women's College	29	36.	Saheed Kshudiram College	14
7.	South Field College	28	37.	Nani Bhattacharjee S. Mahavidyalaya	17
8.	Siliguri College	85	38.	Maynaguri College	44
9.	SRBT College	10	39.	N.B. St. Xavier's College	39
10.	Siliguri College of Commerce	19	40.	Alipurduar Mahila Mahavidyalaya	18
11.	Salesian College	25	41.	Model B.P.Ed. College	05
12.	Siliguri Mahila Mahavidyalaya	17	42.	Rajganj College	26
13.	Sonada Degree College	07	43.	Samuktala Sidhu Kanhu College	14
14.	Siliguri B.Ed. College	08	44.	University B.T. & Evening College	39
15.	K.P. Ghosh Tarai Mahavidyalaya	41	45.	Coochbehar B.Ed. Training College	06
16.	Surya Sen Mahavidyalaya	55	46.	Islampur College	34
17.	Mirik Degree College	15	47.	Kabiguru Rabindranath College of Education	15
18.	Ghoom Jorebunglow Degree College	30	48.	Alipurduar B.Ed. Training College	15
19.	Gyanjyoti College	32	49.	Chopra Kamala Paul Smriti Mahavidyalaya	12
20.	Nakshalbari College	23	50.	Dhupguri Girls' College	14
21.	Vidyasagar College of Education	08	51.	Lilabati Mahavidyalaya	12
22.	Munshi Premchand Mahavidyalaya	23	52.	Dhupguri College of Education	15
23.	A.P.C. Roy Govt. College	40	53.	N.B.S. College of Education	10
24.	Indian Institute of Legal Studies	25	54.	Pragati College of Education	10
25.	Ananda Chandra College	63	55.	Govt. General Degree College (Hindi Medium)	12
26.	Ananda Chandra College of Commerce	19	56.	Eastern Dooars B. Ed. Training College	15

27.	Ananda Chandra Training College	08	57.	Manoranjan Saha B.Ed. Training College	08
28.	P.D. Women's College	48	58.	Govt. General Degree College (Gorubathan)	21
29.	Birpara College	21	59.	Govt. General Degree College (Pedong)	18
30.	Jalpaiguri Law College	14	60.	Pijush Kanti Mukherjee Mahavidyalaya	07
	Total	1050		Total	584
TOTAL - 1634					

**Number and name of the total Non-government colleges
(Including Minority College and Private colleges)**

Sl. No.	Name of the Colleges	Sl. No.	Name of the Colleges
1.	Kalimpong College	31.	PMS Mahavidyalaya
2.	Bijanbari Degree College	32.	Sukanta Mahavidyalaya
3.	Kurseong College	33.	Vivekananda College
4.	St. Joseph's College	34.	Saheed Kshudiram College
5.	Cluny Women's College	35.	Nani Bhattacharjee S. Mahavidyalaya
6.	South Field College	36.	Maynaguri College
7.	Siliguri College	37.	N.B. St. Xavier's College
8.	SRBT College	38.	Alipurduar Mahila Mahavidyalaya
9.	Siliguri College of Commerce	39.	Model B.P.Ed. College
10.	Salesian College	40.	Rajganj College
11.	Siliguri Mahila Maha vidyalaya	41.	Samuktala Sidhu Kanhu College
12.	Sonada Degree College	42.	University B.T. & Evening College
13.	Siliguri B.Ed. College	43.	Coochbehar B.Ed. Training College
14.	K.P. Ghosh Tarai Mahavidyalaya	44.	Islampur College
15.	Surya Sen Mahavidyalaya	45.	Kabiguru Rabindranath College of Education
16.	Mirik Degree College	46.	Alipurduar B.Ed. Training College
17.	Ghoom Jorebunglow Degree College	47.	Chopra Kamala Paul Smriti Mahavidyalaya
18.	Gyanjyoti College	48.	Dhupguri Girls' College
19.	Nakshalbari College	49.	Lilabati Mahavidyalaya
20.	Vidyasagar College of Education	50.	Dhupguri College of Education
21.	Munshi Premchand Mahavidyalaya	51.	N.B.S. College of Education
22.	Indian Institute of Legal Studies	52.	Pragati College of Education
23.	Ananda Chandra College	53.	Eastern Dooars B. Ed. Training College
24.	Ananda Chandra College of Commerce	54.	Manoranjan Saha B.Ed. Training College
25.	Ananda Chandra Training College	55.	Pijush Kanti Mukherjee Mahavidyalaya
26.	P.D. Women's College		
27.	Birpara College		
28.	Jalpaiguri Law College		
29.	Falakata College		
30.	Alipurduar College		

CHAPTER – XIV
JALPAIGURI CAMPUS



Jalpaiguri Campus

The University of North Bengal has commenced the classes on the newly established Jalpaiguri campus in the premises of Jalpaiguri Government Engineering College on and from 16th August, 2013. The Inaugural ceremony of Jalpaiguri Campus, University of North Bengal was held on 16th August, 2013 at Sarojendra Deb Raikot Kalakendra.

Initially four departments (Bengali, English, Sanskrit and Geography & Applied Geography) started functioning from the academic session 2013-14. While the departments of Bengali, English, and Geography & Applied Geography are already existed in the NBU campus (Raja Rammohunpur), the department of Sanskrit is a new addition to Jalpaiguri campus. The University has decided to introduce this department keeping in mind the rich tradition of Sanskrit learning in this region. The departments have depended predominantly on the faculties of the NBU main campus and the out-house faculties of different universities and colleges in and outside the West Bengal.

There is an office started functioning– mainly for ensuring that the students do not have to move to and fro between campuses for administrative supports.

The intake capacity for the Bengali, English and Sanskrit is 45 each, while that of the Department of Geography & Applied Geography is 30.

Persons working on Contractual Basis

Sl. No.	Name of the Post	Name
1.	Assistant Registrar	Dr. Susmita Misra
2.	Junior Peon	Sri Rony Dutta

Sanctioned post:

Associate professor -01, Assistant Professors- 12, Officers-04, Non-teaching -08

Library facilities available at this campus.

Department	No. of Books	Books purchased under RUSA
Bengali	1081	NA
English	407	NA
Sanskrit	715	1437
Geography & Applied Geography	144	33
General	72	NA

- UGC-Infonet Digital Library Consortium *Jstore* E-Journal with Internet facilities at Library for all students.

Laboratory Facilities:

- Computer Laboratory for General Students.
- Laboratory facilities with Surveying Instruments, Soil Testing Instruments, Rain gauge, Barograph, Fluviometer and Computers for Geography & Applied Geography students.

Other Facilities:

1. Students Canteen.
2. Indoor Games.
3. Musical Instruments.
4. Photocopy facility.

**DEPARTMENT OF ENGLISH
2015-16**

Introduction of the Department	Name of Faculties	Name of Non Teaching Staff	Students Strength		Organize Seminar	Any Other Activities
			Male	Female		
2013	Prof. G.N. Ray Prof. S. Samanta Prof. A. Sengupta Asso. Prof. C. Laha Asso. Prof. B.P. Ray Asstt. Prof. R. Ghosh Asstt. Prof. Sumana Roy	NIL	18	51	NIL	NIL

**DEPARTMENT OF GEOGRAPHY & APPLIED GEOGRAPHY
2015-16**

Introduction of the Department	Name of Faculties	Name of Non Teaching Staff	Students Strength		Organize Seminar	Any Other Activities
			Male	Female		
2013	Prof. S. Sarkar Dr. S. Rohatgi Dr. S. Sao Dr. D.K. Mandal Dr. I. Lepcha Dr. R. Ray Dr. S. Bhattachariya Dr. S.N. Saha Mr. A. Basak	NIL	21	19	NIL	NIL

DEPARTMENT OF SANSKRIT
2015-16

Introduction of the Department	Name of Faculties	Name of Non Teaching Staff	Students Strength		Organize Seminar	Any Other Activities
			Male	Female		
2013	Prof. R. Ghosh Dr. S. Ghosh Dr. G. Das Mr. T. Paul Dr. S.K. Jha Smt. D. Dey	NIL	29	39	NIL	NIL

DEPARTMENT OF BENGALI
2015-16

Introduction of the Department	Name of Faculties	Name of Non Teaching Staff	Students Strength		Organize Seminar	Any Other Activities
			Male	Female		
2013	Dr. Nikhilesh Ray Dr. Dipak Kumar Roy Dr. Utpal Mandal Dr. Ankush Bhatta Miss Nibedita Guha Dr. Mridul Ghosh Mr.Pankaj kr Sarkar Sri Arun Kumar Sanfui Smt.Nina Singha Roy Sri Mithu Deb Smt.Tapati Saha Mr.Sekhar Sarkar Sri Dipak Saha Mr.Amar Chandra Ray Mr. Gautam Das	NIL	25	36	National Seminar	NIL



Published by: *The Registrar, University of North Bengal*
Printed at: *University Press, University of North Bengal*