



विज्ञानं यज्ञं तनुते

तेजपुर विश्वविद्यालय

TEZPUR UNIVERSITY

(A Central University)

Napaam, Tezpur, Assam-784028, INDIA



NAAC Reaccreditation (Cycle 3)

SELF STUDY REPORT

VOLUME-II A

SUBMITTED TO

NATIONAL ASSESSMENT & ACCREDITATION COUNCIL

2016



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TEZPUR UNIVERSITY

A SELF STUDY REPORT

VOLUME-II A

Department and Centre Reports

Submitted to

**National Assessment and
Accreditation Council
2016**

VOLUME-II A

EVALUATIVE REPORT OF THE ACADEMIC DEPARTMENTS/CENTRES

A. Academic Departments

School of Sciences

Chemical Sciences	1
Environmental Science	19
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Physics	64

School of Humanities and Social Sciences

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School of Engineering

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C. Other Centres and Cells

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SCHOOL OF SCIENCES

School of Sciences

- 1. Name of the Department:** Chemical Sciences
- 2. Year of establishment:** 1997
- 3. Is the Department part of a School/Faculty of the university?**
Yes, School of Sciences
- 4. Names of programmes offered**

Sl. No.	Name of Programme	Duration	Intake
1	Integrated B. Sc. B. Ed. (Chemistry Major)	4 yrs	10
2	Integrated M. Sc. in Chemistry	5 yrs	20
3	M. Sc. in Chemistry	2 yrs	20
4	M. Tech. in Polymer Science and Technology	2 yrs	10
5	Ph. D. in Chemical Sciences	3-6 yrs	variable

- 5. Interdisciplinary programmes and departments involved**

Programme	Departments involved
1. Integrated M. Sc. in Chemistry	Depts. of Molecular Biology and Biotechnology, Mathematical Sciences, Environmental Sciences, Physics, English and Foreign Language, Sociology
2. Integrated B. Sc. B. Ed. in Chemistry	Depts. of Molecular Biology and Biotechnology, Mathematical Sciences, Environmental Sciences, Physics, English and Foreign Language, Sociology, Education

- 6. Courses in collaboration with other universities, industries, foreign institutions, etc.**
Nil

- 7. Details of programmes discontinued, if any, with reasons**

M. Sc. In Applied Chemistry	Programme converted to M. Sc. in Chemistry for better acceptability in the job market
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- 8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**
Semester with Choice Based Credit System (CBCS)

- 9. Participation of the department in the courses offered by other departments**

Course	Offered under department/school
B. Tech. courses (CH101: Chemistry)	Engineering departments (all branches)
M. Sc. in Nano Science & Technology (NS 404: Basic Polymer Science)	Department of Physics
CBCS Course (CH 407: Introduction to Polymer Sciences)	All the Science and Engineering Departments (Physics, Energy, MBBT, Env. Scs., Civil, Mechanical, Electronics & Communication, Computer Science etc.)

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (incl CAS & MPS)
Professor	05	06	4+1*+1*
Associate Professor	03	03	2+1*
Assistant Professor	08	07	07
Others		03 (ad hoc-1, Inspire-1, J.C. Bose- 1)	

* Under CAS

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph. D. students guided last 4 years
S. K. Dolui	Ph. D.	Professor	Polymer Chemistry	28	12
N. S. Islam	Ph. D.	Professor	Inorganic Chemistry	25	3
T. K. Maji	Ph. D.	Professor	Polymer Sci. & Technology	24	5
R. K. Dutta	Ph.D.	Professor	Physical Chemistry	23	3
N. Karak	Ph.D.	Professor	Polymer Sci. & Tech.	19	8
R. C. Deka	Ph. D.	Professor and Head	Theoretical Chemistry	14	5
Ruli Borah	Ph.D	Associate Professor	Organic Chemistry	16	3
A. J. Thakur	Ph. D.	Associate Professor	Organic Chemistry	11	3
A. K. Phukan	Ph. D.	Associate Professor	Theoretical Inorganic/ Organometallic Chemistry	13	2
P. Puzari	Ph. D	Assistant Professor	Physical Chemistry	16	nil
K. K. Bania	Ph. D	Assistant Professor	Inorganic Chemistry	8	nil
P. Bharali	Ph. D.	Assistant Professor	Inorganic Chemistry and Catalysis	6	nil
N. Gogoi	Ph. D.	Assistant Professor	Inorganic Chemistry	6	nil
B. C. Sarma	Ph. D.	Assistant Professor	Organic Supramolecular Chemistry & Pharmaceutical Research	6	nil
S. K. Das	Ph. D.	Assistant	Organic Synthesis	6.5	nil

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph. D. students guided last 4 years
		Professor			
U. Bora	Ph. D.	Assistant Professor	Organic Chemistry	10	3
S. Pratihar	Ph. D.	Inspire Faculty	Inorganic Chemistry	3	nil
S.P. Mahanta	Ph.D.	Assistant Professor (Adhoc)	Physical Chemistry	2	nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Visiting Fellow	1. Prof. P. S. Kalsi, Punjab University 2. Prof. R. K. Poddar, NEHU Shillong 3. Prof. B. Viswanathan, IIT Madras
Adjunct Faculty	Nil
Emeritus Professors	Nil
Others	1. Prof. K. C. Majumdar (Industry Chair Professor) 2. Prof. M. Lakshmi Kantam (Professor of Eminence)

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	%
Int. M.Sc.	15%

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
Integrated M.Sc. in Chemistry	71	15	4.7:1
B.Sc./B.Ed. in Chemistry	20	15	1.3:1
M.Sc. in Chemistry	38	15	2.5:1
M.Tech in Polymer Science & Technology	18	03	6:1
Ph.D.	65	15	4.3:1
All departmental programmes (excluding Ph.D.)	147	18	8.1:1
All departmental programmes (Including Ph.D.)	212	18	11.7:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
Technical Officer	01	01	01
Sr. Technical Assistant	01	01	01
Technical Assistant	03	02	03
Laboratory Assistant	02	02	02
UDC	01	01	01
MTS	01	01	01

16. Research thrust areas as recognized by major funding agencies

Research area	Funding Agency
Organic synthesis, Polymer, Medicinal Chemistry, Catalysis and Theoretical Chemistry, Bioinorganic Chemistry, Water Purification, Sensors and Supramolecular Chemistry	UGC-SAP & DST-FIST DST Nano Mission

17. Number of faculty with ongoing projects from

- a) National agencies : 12
 b) International funding agencies : 01
 c) Total grants received : ₹ 311.87 Lakh

Names of the funding agencies, project title and grants received project-wise.

(List of projects submitted in the enclosed format, Vol-II B)

Ongoing project: 12 / ₹ 311.87 Lakh

Completed project: 26 / ₹ 604.41 Lakh

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Sl. No.	Name of Investigator/s	Collaborators	Sanctioned amount (₹ in Lakh)	Funding Agency
National				
1	N. Karak	A. Kumar, T.U	37.94	DST
2	N. Karak	R. Reji, DRL	9.55	DRL
3	N. Karak	D. Ratna, NMRL, Thane	38.31	NRB
4	N. Karak	T.K. Maiti, IIT Kharagpur	64.22	DBT
5	N.S. Islam	Centre for DNA Finger Printing and Diagnostics (CDFD), Hyderabad	70.5	DBT
6	T K Maji	DRL Tezpur	9.57	DRDO
International				
1	R. C. Deka	Prof. C. R. A. Catlow, FRS, University College London	26.944	DST-UKIERI

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sl. No.	Project	Year	Level	Sanctioned amount (₹ in Lakhs)
1	DST-FIST	2010-2015	I	58
2	UGC-SAP	2009-14	I	31

20. Research facility / centre with state/national/international recognition: Nil**21. Special research laboratories sponsored by / created by industry/corporate bodies: 01**
(Supported by M/S VINATI Organics Ltd. Mumbai)**22. Publications**

Publication type	Year			
*Number of Papers published in peer reviewed journals	2014-15	2013-14	2012-13	2011-12
National journals	nil	nil	nil	nil

<i>International journals</i>	157	99	72	65
<i>Regional</i>	nil	nil	nil	nil
Conference Proceedings	21	6	7	13
Books (with ISBN) & Monographs	1	nil	1	3
Chapters in Books	7	nil	2	4
Edited Books	nil	nil	nil	nil
Important Translated work	nil	nil	nil	nil
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	387			
Citation Index – range / average	0-73/20			
SNIP	-			
SJR	-			
Impact Factor – range / average	1-46.568/3.5			
h-index- range/average	10-26/15			

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generate

Faculty member	Details including name of clients	Income generated
N. Karak	M/S Asian Paints Limited	₹ 10,00,000

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad

Name	In what capacity	Sponsoring agency	Place of visit	Duration & time period
Ashim J. Thakur	As a co-investigator	DST	Åbo Akademi, Turku, Finland	09-12 August, 2011
Nayanmoni Gogoi	Visitor	TU	IIT Bombay	05-25 July 2012
Utpal Bora	JSPS- Bridge Fellow	JSPS	Gifu Pharmaceutical University, Japan	January 2014

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards

d) Reviewer of reputed journals (e) any other (please specify)

Name	National committees	International committees	Editorial Boards	Others
N. S. Islam	Council member of Chemical Research Soc. of India (CRSI) for 3 yrs in 2011. Re-nominated in 2014 till 2017.	-	-	-
Pankaj Bharali	-	-	Int. J. of Basic Sciences & Social Sciences (IJBSS), GSTF J. of Chemical Sciences, Int. J. of	Reviewer of ACS, RSC, Elsevier, and Bentham journals

			Chemical Research	
Sajal K. Das	-	-	-	Member Israel Chemical Society
Bipul Sarma	-	-	-	Member, American Chemical Society
Kusum K.Bania	-	-	-	Member, American Chemical Society
Robin K. Dutta	E.C. Member of ISSST, Kolkata	-	-	Reviewer for: J. Hazardous Mat., Chemosphere, J. Env. Management, etc.
A. J. Thakur	-	-	-	Reviewer for: N. J. Chem. (RSC), Organic Letters (ACS), CatChemCat (Wiley), Research on Chemical Intermediates (Springer), RSC Advances (RSC), Bioorganic & Medicinal Chemistry Letters, European J. of Medicinal Chemistry (Elsevier), Letters in Organic Chemistry (Bentham), Int. J. of Food Properties, Synthetic Comm. (Taylor & Francis), Advanced Synthesis & Catalysis, J. of Heterocyclic Chemistry. Advanced Synthesis & Catalysis (Wiley)
Ruli Borah	-	-	-	Reviewer for J Mol. Cat- A, Cat. Commun., RSC Adv., New J Chem., J Chem. Sci, Synlett
R. C. Deka	-	-	-	Reviewer for: Chem. Rev., J. Am. Chem. Soc. (JACS), ACS Nano, J. Phys. Chem, J. Comput. Chem; New J. Chem; Chem. Phys. Lett., Catal. Today, J. Mol. Catal., J. Mol. Struct. (THEOCHEM), Med. Chem. Res., Physica B, Indian J. Phys., J. Poly. Mater, Fuel, J. Expermt. Nanosci, Molecular Informatics, Cata. Lett., Molecular Simulations, J. Mol. Graphics Model; Atmospheric Environment, J. Chem. Phys.

**27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
(details of participation of faculty in such programmes)**

Name	Programme and Organiser	Period
P. Puzari	1-day workshop on “Capturing innovations for IPR protection at Tezpur University”, IPR Cell T.U.	8 August 2012
	National Workshop “Advances in Microbiology & Bioprocess Engineering”, ONGC centre for petroleum biotechnology, Dept of MBBT, TU.	23-24 Aug 2012
	2-day online workshop on “AKASH FOR EDUCATION” organized by Dept of ECE, TU and conducted by IITB.	10-11 Nov., 2012,
	International symposium on theoretical chemistry: TCS-2012, IIT Guwahati,	19-21 Dec. 2012.
	Int. conf. on Electronic Structure and Dynamics of Molecules and Clusters (ESDMC-2013), the Indian Association for the Cultivation of Science, Kolkata	17-21, Feb. 2013.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
M. Sc. in Chemistry & M. Tech. in Polymer Sciences and Technology	12%

- percentage of students doing projects in collaboration with other universities / industry / institute

Name of Programme	Percentage
M. Tech. in Polymer Science and Technology	100%

28A. Internship for students of outside institutes

Year	No of students	Participating institutes	Sponsoring agencies
2014-15	09	Cotton College, Arya Vidyapith, Guwahati, JIST, Jorhat, Bajali College, Pathsala, NIT Silchar University of Delhi	Tezpur University
2013-14	01	University of Delhi	Tezpur University
2012-13	02	D.R. College, Golaghat D.R. College, Golaghat	Tezpur University Tezpur University
2011-12	01	D.R. College, Golaghat	Tezpur University

29. Awards / recognitions received at the national and international level by Faculty

Name	Award/recognition
N. S. Islam	Bronze Medal, Chemical Research Society of India (CRSI) 2010. Nominated as Council member for 3 years w.e.f. 2011, of Chemical Research Society of India (CRSI), Bangalore. Re-nominated w.e.f. 2014 till 2017.
S. K. Dolui	National Technology Innovation Award from Department of Chemicals and Petrochemicals, Ministry of Chemicals and Fertilizer for R & D work in the

	field of Polymer Science & Technology (2012)
	Appointed as editor, J. of Polymer Materials.
N. Karak	Material Research Society of India Medal (2014)
	3rd National Award for Technology Innovation for Research in the Field of Polymer Science & Technology by Dept of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, (2013)
	Dr. Arvind Kumar Memorial Award by Indian Council of Chemists (ICC) (2012)
	Dr. J.N. Baruah Memorial Science Award in Chemical Science, by JNBMT & Assam Science Society (2012)
R.C. Deka	Dr. J. N. Baruah Memorial Science Award, in Chemical Science, by JNBMT & Assam Science Society (2012)
	Bronze Medal, Chemical Research Society of India (CRSI) 2013.
	Professor H. C. Goswami award by Assam Science Society, 2013
A. K. Phukan	Bronze Medal, Chemical Research Society of India (CRSI) 2015.
U. Bora	JSPS Bridge Fellowship awarded by Japan Society for the Promotion of Science (2013)
	INSA Visiting Fellowship (2012)
P. Bharali	Appointed Associate Editor of journals
	1. GSTF Journal of Chemical Sciences (2015-)
	2. International Journal of Chemical Research (2013)
B. C. Sarma	Appointed Associate Editor of GSTF J. of Chemical Sciences (2015)
	Executive Council Member of National Magnetic Resonance Society (NMRS) India (2014-)
S. Pratihari	Appointed Associate Editor of GSTF J. of Chemical Sciences (2015)

Doctoral / post doctoral fellows

Dr. Nabanita Saikia	Awarded PD fellowship, Nanoscale Simulation Lab, Dept of Polymer Engineering, University of Akron, OHIO, USA, Jan. 2015
Mr. Bitupon Borthakur	Royal Society of Chemistry (RSC) fellowship to participate in the 9th CRSI-RSC joint symposium & the 17th CRSI National Symposium in Chemistry held at NCL, Pune, February 2015.
Ms. Sandhya Rani Gogoi	Royal Society of Chemistry (RSC) fellowship to participate in the 9th CRSI-RSC joint symposium and the 17th CRSI National Symposium in Chemistry held at BHU, Varanasi, February 2013.
Dr. Sujata Pramanik	Industrial Green Chemistry World-Green Innovation Awards 2013 (IGCW-2013)
Dr. Swapnalee Sarmah	Appointed as Assistant Professor, Department of Biology, Indiana University - Purdue University Indianapolis (IUPUI, USA, 2015
Dr. Bulumoni Kalita	Appointed as Assistant Professor in Department of Physics, Dibrugarh University, 2013
Dr. Isha R. Kamrupi	Marrie Curie post doctoral fellowship, University of Brighton, UK.
Dr. R. Konwarh	Commonwealth fellowship for six month research by Govt. of Canada from University of Guelph, Guelph, Canada, 2011-12
Dr. S. Konwar	DST travel grant to present paper in 2 nd International symposium, frontiers in Polymer Science at Lyon, France, 29-31 May 2011.
Dr. Anindita Dewan	Dr. D. S. Kothari postdoctoral fellowship of UGC, 2015.

Dr. Siva P. Das	PD fellowship, Nanyang Technological Univ., Singapore, 2013.
Dr. Diganta Kalita	Post-doctoral Fellow Colorado State University, USA since 2013.
Dr. Goutam Das	PD fellowship, Ulsan National Inst. of Science & Technology, South Korea, 2013.
Dr. Biplab K. Deka	PD fellowship, Ulsan National Institute of Science & Technology, South Korea, 2013.
Dr. Ankita Hazarika	PD fellowship, Ulsan National Institute of Science & Technology, South Korea, 2014.
Dr. Pubalee Sarma	Appointed Assistant Professor in Royal School of Engineering & Technology, Guwahati, 2012.
Ms. Sandhya Rani Gogoi	T & I best graduate gold medal of Tezpur University, 2011.
Dr. Isha R. Kamrupi	National Technology Innovation Award, 2012, Dept of Chemicals and Petrochemicals, M/O Chemicals and Fertilizer for R & D work in the field of polymer science & technology.
Ms. Sandhya Rani Gogoi	RSC poster award in 15 th CRSI symposium held at BHU, Varanasi, February 2013
Ms. Chandramika Bora	Paper presentation award in National Seminar on 'Recent Advances In Polymer Science and Technology' (Poly-2012) held at North Bengal University, West Bengal.
Ms. Shyamalima Sarma	Paper presentation award in National Seminar on 'Recent Advances in Polymer Science and Technology' (Poly-2012) held at North Bengal University, West Bengal.
Mr. Bhaskar Jyoti Saikia	Paper presentation award in "National Seminar on 'Recent Advances in Polymer Science and Technology' (Poly-2012) held at North Bengal University, West Bengal.
Dr. Ankur Kanti Guha	Appointed Assistant Professor in the Department of Chemistry, Cotton College, Guwahati
Dr. Shreemoyee Bordoloi	1 st Prize of the German Water Partnership Award India 2014
Ms. Barasha Ritu Goswami	4 th best paper presentation award in "National Conference on Frontiers at the Chemistry-Allied Sciences Interface' (FCASI-2015) , Rajasthan University, Jaipur.

Students

Parag Choudhury Achyut Konwar Mandip Sarma	Joint 2 nd prize in the essay competition on "Intumescent Surface Coating" organized by Asian Paints Ltd., Mumbai
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30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/eminent participants, if any.

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
Dr. Ashim J. Thakur Dr. Bipul Sarma	National Magnetic Resonance Society Symposium cum Annual Meeting (NMRS-2014) (February 2-5, 2014) (International)	DST, CSIR, TU, BRNS, DRDO, BRUKER, JEOL, Euroisotop,	Prof. R. Griffin (MIT), Prof. C. Grey (Univ. of Cambridge), Prof. B. Blumich (RWTH Aachen University, Germany), Prof. G.

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
		CIL and others	Varani (Univ. of Washington), Prof. D. Huster, Univ. of Leipzig, Germany), Prof. I. C. Felli (Univ. of Florence, Italy), Prof. K. Kato (Nagoya City University), Prof. N. Tjandra (National Heart Lung & Blood Institute, USA), Prof. H. Vliegthart (Utrecht University, The Netherlands), Prof. P. Lesot (University de Paris-Sud, France), Prof. A. Schmidt (Israel Inst. of Technology), Prof. L. Banci (Univ of Florence, Italy), Prof. M. Ernst (ETH Zurich), Prof. N. Muller (Johannes Kepler University, Austria), Prof. R. Boelens (Utrecht Univ, The Netherlands), Dr. D. Lee, Prof. M. Zweckstetter, Prof. C. Griesinger & Prof. G. Balasubramanian (Max Planck Inst. for Biophysical Chemistry, Germany), Prof. A. Goldbourt (Tel Aviv University, Israel), Prof. W. Kockenberger (Univ of Nottingham, UK), Prof. M. Billeter (Univ of Gothenburg), Prof. S. Grzesiek (Univ of Basel, Switzerland), Prof. P. Guntert (Goethe-Univ Frankfurt), Prof. T. Szyperski (Univ of Buffalo, NY), Prof. L. Emsley (Universite de Lyon, France), Prof. H. Sajiki (Gifu Pharmaceutical Univ, Japan), Prof. P. K. Madhu (TIFR Mumbai),

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
			Dr. B. Jagadeesh (IICT Hyderabad), Prof. A. Kumar (IITB), Prof. N. Suryaprakash, Prof. K. V. Ramanathan, Prof. H. Atreya (IISc), Dr. T. S. Mahesh (IISER Pune), Prof. A. Kumar (NCL Pune), Dr. S. Mukherjee (IICB, Kolkata), Dr. R. Jayasundar (AIIMS), Prof. A. B. Patel (CCMB)
Prof. N. S. Islam (Co-convenor), TU) Dr. D. Prajapati (Coordinator, NEIST-Jorhat)	8th Mid Year CRSI National Symposium in Chemistry jointly organized by the CSIR-NEIST, Jorhat and Tezpur University (July 10-12, 2014) (National)	CSIR, DST, Corporate	Dr. S. Pal, Prof G. Muges, Prof S. Chandrasekaran, Dr D. Ramaiah, Dr. R. C. Boruah, Prof. S. Das
Dr. Ashim J. Thakur Dr. Bipul Sarma	National Workshop on Chemistry Popularization jointly organized with ACT, Mumbai (31st October, 2012) (National)	Tezpur University and ACT-Mumbai	Prof. M. K. Chaudhuri (TU), Prof. B. Pare, Dr. D. V. Prabhu, Prof. S. D. Pande, Prof. S. Jain
Dr. Pankaj Bharali Dr. Kusum Bania	Workshop on Spectroscopic Tools and its Applications (6th April, 2013) (Regional)	Chemical Society, Department of Chemical Sciences, TU	Prof. D. C. Deka (Gauhati University),
Prof. Ramesh Ch. Deka	Academy Lecture Series (21-22 Nov. 2013) (National)	INSA, National Academy of Sciences (NASI) and Indian Academy of Science (IASc)	Prof. M. K. Chaudhuri (TU), Prof. P. K. Das (IISc), Prof. B. Basu (N. Bengal Univ), Prof. U. Maitra (IISc), Prof. S. Sarkar, Prof. L. Rickard (Millersville University, USA), Dr. M. Qureshi (IIT-G), Prof. K. M. Rao (NEHU)
Prof. Niranjana Karak	National Conference on Chemistry, Chemical Technology and Society (11-12 November, 2011) (National)	UGC, Tezpur University and Corporate	Prof. H. Junjappa, Prof. B. C. Ranu, Prof. P. K. Chattaraj, Prof. K. Ismail, Prof. P. Phukan, Prof. M. K. Chaudhuri, Prof. B. K. Patel, Prof. H. Ila, Prof. B.S.R. Reddy, Prof. K. C. Majumdar
Prof. Robin K.	Workshop on Integrated Arsenic	DST	Prof. Ram Gopal

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
Dutta	and Iron Removal from Groundwater: Arsiron Nilogon, 25 June 2011 (National)		

31. Code of ethics for research followed by the department

Code of ethics is maintained as per the international rules and regulations.

University code of ethics:

1. Safety Practices
2. Proper disposal of laboratory waste.
3. Cite proper references (no plagiarism)
4. Personal care for protecting an equipment
5. Green Chemistry Practice
6. Maintaining ethics in Science

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
M.. Tech in Polymer Science and Technology	29	3	6	Continuing	Continuing
M.Sc. in Chemistry	520	13	6	-do-	-do-
Integrated M.Sc. in Chemistry	744	10	8	-do-	-do-
Integrated B.Sc. B.Ed. (Chemistry major)	519	1	2	-do-	-do-
Ph.D.	73	06	12	-do-	-do-
2013-14					
M.. Tech in Polymer Science and Technology	26	2	8	Continuing	Continuing
M.Sc. in Chemistry	403	13	6	-do-	-do-
Integrated M.Sc. in Chemistry	654	8	7	-do-	-do-
Integrated B.Sc. B.Ed. (Chemistry major)		7	1	-do-	-do-
Ph.D.	72	07	13	-do-	-do-
2012-13					
M.. Tech in Polymer Science and Technology	20	3	1	100	100
M.Sc. in Chemistry	275	8	9	100	100
Integrated M.Sc. in Chemistry	420	6	6	Continuing	Continuing
Integrated B.Sc. B.Ed. (Chemistry major)	100	1	8	-do-	-do-
Ph.D.	60	6	4	-do-	-do-
2011-12					
M.. Tech in Polymer Science and Technology	20	5	3	100	100
M.Sc. in Chemistry	218	9	9	-do-	-do-
Integrated M.Sc. in Chemistry	250	8	6	continuing	continuing

Integrated B.Sc. B.Ed. (Chemistry major)	85	1	4	do	do
Ph.D.	55	8	5	-do-	-do-

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. Tech. in Polymer Sciences & Technology	5	70	25	Nil
M. Sc. In Chemistry	Nil	90	10	Nil
Integrated M.Sc. in Chemistry	Nil	100	Nil	Nil
Integrated B.Sc. B.Ed. (Chemistry major)	Nil	100	Nil	Nil
Ph. D	70	25	5	Nil

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	No of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	1	2	2	4	2
NET LS	4	2	2	2	Nil
GATE	7	15	13	4	5
Civil Services	0	0	0	0	0
Engineering Services	0	0	0	0	0
Defence services	0	0	0	0	0
Others (Specify)					

35. Student progression

Student progression	Percentage against enrolled
UG to PG (Integrated M.Sc.)	Nil
PG to M.Phil.	Nil
PG to Ph.D.	40%
Ph.D. to Post-Doctoral	30%
Employed	20%
• Campus selection	5%
• Other than campus recruitment	15%
Entrepreneurs	nil

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	72%
from universities from other States	28%

from universities outside the country	Nil
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37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph.D.	1
M. Phil	0
D.Sc.	0
D. Litt.	0

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	No	-
b) Internet facilities for staff and students	yes	For all
c) Total number of class rooms	yes	7 (240)
d) Total number of class rooms with ICT	yes	1 (106)
e) Students' laboratories	yes	6 (120)
f) Research laboratories	yes	14 (84)
g) Archive/Museum/ Studio	No	-

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
27	27
Post-Doctoral	
Nil	02
Research Associates	
02	Nil

40. Number of post graduate students getting financial assistance from the university: Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, Following methodologies in general were undertaken

- Viability of the program was assessed by taking the feedback from the potential stakeholder and its marketability.
- Feedback was taken from the different established institute having similar programs

42. Does the department obtain feedback from

(a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	Yes, on the basis of the feedbacks from faculty members the curriculums are updated as and when required
(b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Feedbacks are collected from the students per semester in each course every year. By collecting the feedback from individual students a departmental meeting is called regarding the feedback and a report is prepared and submitted to the concerned authority with the action taken report.

(c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	Yes, feedbacks were utilized to update and modifying the course structure as well as syllabus

43. List of selected alumni of the department

Sl No.	Name	Programme and batch	Current position/ achievement (if any)
1	Dr. Swapnalee Sarma	Ph.D, 2004	Assistant Professor, Indiana Univ., Purdue Univ., Indianapolis (IUPUI) USA
2	Dr. Rashmi Rekha Devi.	M. Sc. & Ph.D. 2005	Scientist, DRL, Tezpur
3	Dr. Nabanita Saikia	Ph. D. 2014	Post-doc, University of Akron, OHIO, USA
4	Dr. Isha Ruhulla Kamrupi	M. Sc. (2005-2007) & Ph.D. 2012	Reliance Petrochemicals, Mumbai
5	Bhriugu Phukan Das	Int. M.Sc (2009-14)	Asian Paint
6	Dr. Subrata Das	M. Sc. (2004-2006) & Ph.D. 2011	Assistant Prof., NIT Patna
7	Dr. Jatindranath Maity	M. Sc. (2002-2004) & Ph.D. 2009	Research Professor, Korea
8	Dr. Amarjyoti Kalita	M. Sc. (2005-2007) & Ph.D. 2013	Relience Petrochemical, Mumbai
9	Dr. Paritosh Mondal	Ph.D., 2009	Associate Professor, Assam University
10	Dr. Bulumoni Kalita	Ph.D., 2009	Assistant Professor, Dibrugarh University
11	Dr. Ankur Kanti Guha	Ph.D., 2013	Assistant Professor, Cotton College State University

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl No.	Programme details	Date/s	Name of Experts
1.	National workshop on Arsiron Nilogan	25 June 2011	Prof. Ram Gopal
2.	National conference on Chemistry, Chemical Technology and Society	11-12 Nov 2011	-
3.	Lecture on "The Domino-Concept: An Approach for the Ideal Synthesis"	28 Sept., 2012	Prof. L.F. Tietze
4.	Lecture on "IR Spectroscopy, Stereochemistry, Methods of teaching Organic Chemistry in 21 st Century"	22 Oct, 2012	Prof. P.S. Kalsi Punjab University
5.	One day workshop on 'Chemistry Popularisation',	31 Oct., 2012	-
6.	Lecture on "Synthesis, characterization and optical properties of some dipyrinato complexes"	6 Nov, 2012	Prof. D.S. Pandey, BHU
7.	Popular lecture on Organic Chemistry	4 Dec., 2012	Prof. Santanu Bhattacharya, Dept of

			Organic Chemistry, IISc
8.	“Rapid Assembly of Molecular Complexity through Vinylogous Mannich and Michael Reactions”	13 Dec, 2013	Prof. Christoph Schneider from Institut für Organische Chemie, Universität Wien, Austria
9.	Lecture on “Leaves from the Wonderbook of Chemistry on Science Day”	28 Feb, 2014	Prof. Animesh Chakraborty
10.	four popular lectures on quantum chemistry and computational chemistry	2-22 Nov, 2014	Dr. Sourav Pal, Director, National Chemical Laboratory
11.	Basics and applications of X-Ray crystallography	23 Nov., 2015	Dr. (Mrs.) Vedawati G. Puranik, Scientist, NCL, Pune
12.	Popular lecture on Theoretical Chemistry	18 Mar, 2015	Prof. K. L. Sebastain Dept of Inorganic & Physical Chemistry, IISc.
13.	Science and Scientists	25 Mar, 2015	Prof. V. Ramamurthy, Univ. of Miami, Senior Editor, Langmuir, American Chemical Soc.
14.	Photochemistry in a Capsule	26 Mar, 2015	Prof. V. Ramamurthy, University of Miami, Senior Editor, Langmuir, American Chemical Soc.

45. List the teaching methods adopted by the faculty for different programmes.

- Lecture by teacher (black board/white board or use of overhead projector or LCD projector during teaching)
- Class discussion conducted by teacher
- Asking oral questions by teacher which are answered orally by students
- Interactive session
- Group discussion and oral presentation to promote self-study
- Home assignments
- Lecture notes are provided to the students
- Special lectures are organized by inviting experts from India and abroad.
- Space for independent thinking

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The department ensures the program objectives and their learning outcome by continuous and systematic recording the placement of pass out students and their performance appraisal from their respective organizations.

47. Highlight the participation of students and faculty in extension activities.

- Arsenic and Fluoride Removal work at different schools and villages of Assam.
- Two Workshops, catalyzed by the NCSTC-DST, were organized at two rural schools in Lakhimpur District on Arsiron Nilogon on 27 and 28 March, 2015.
- A group of 30 children of ‘Naba Prabhat’ orphanage, Tezpur visited the Department of Chemical Sciences on 13th November’12 as part of their pre-Children's day celebration.

48. Give details of “beyond syllabus scholarly activities” of the department.

- i) Special Coaching and guidance for different types of national test like NET GATE and appearing various competitive examinations.
- ii) Special care has been taken for the group of students by their mentors (faculty members) for their overall moral development.
- iii) Motivation and encouragements are given to the students for taking part in university level as well as national level extra-curricular activities.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The prime objective of the department is to create new-knowledge and trained manpower in different areas of Chemical Sciences and to reach out to the society. The students passing out from this department are well placed in different industries, R & D organizations and prestigious institutes in India and abroad.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department (as per departmental consensus)**Strengths**

- 1 Good infrastructure facility
- 2 Dedicated faculty members and staffs
- 3 Brilliant students
- 4 Well-equipped laboratories
- 5 Excellent recreation environment
- 6 Very good teaching and research environment

Weaknesses

- 1 Communication problem due to remote locality
- 2 Lack of individual research lab for some few members
- 3 Dedicated technical staffs for each sophisticated equipment
- 4 Sophisticated Instrument facilities
- 5 Prolonged time for repairing analytical instruments

Opportunities

- 1 Large availability of young and dynamic manpower
- 2 Eco friendly and cooperative environment
- 3 Bio-diversity and availability of different natural resources
- 4 Collaborative and interdepartmental research
- 5 Integrated courses

Challenges

- 1 Proper training and motivations to young mind to fit the national needs
- 2 Improvement in conveyance
- 3 Proper and adequate industrial growth
- 4 Placement of students
- 5 Consultancy works

52. Future plans of the department.**New Programmes**

No new programme planned

New research Initiatives

Multi disciplinary advance research to meet the challenges of future society will be

initiated

Others

1. Establishment of Pilot scale production of laboratory developed products
2. Establishment of waste chemical treatment plant for reuse and downgraded uses.

School of Sciences

1. Name of the Department: Department of Environmental Science

2. Year of establishment: 2004

3. Is the Department part of a School/Faculty of the university? Yes, School of Sciences

4. Names of programmes offered

Sl.No.	Name of Programme	Duration	Intake
1	M. Sc. in Environmental Science	2 yrs	30
2	Ph. D. in Environmental Science	3-6 years	variable

5. Interdisciplinary programmes and departments involved

Programme	Departments
P G Diploma in Environmental Management (Through Distance learning)	Dept. of Environmental Science

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programmes discontinued, if any, with reasons: NA

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Course	Offered under department/school
ES 101: Environmental Science	B. Tech. programme Under all the Departments of School of Engineering
ES 102: Elements of Environmental Science	Molecular Biology & Biotechnology and Physics Under Integrated M. Sc. Programmes
	Chemical Sciences and Mathematical Science Under Integrated M. Sc., B. Sc., B. Ed. Programmes
	English & Foreign Language Under Integrated M. A. Programmes
	Commerce Under Integrated M. Com. Programmes
ES 541: Contemporary Environmental Issues ES 542: Laboratory Guidance & Safety ES 543: Environmental Economics and Management ES 544: Introductory Air Pollution	CBCT course Offered for PG programmes of all other departments

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/ Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	02	02	02
Associate Professor	02	02	02
Assistant Professor	07	07	07
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph. D students guided last 4 years
K. K. Baruah	Ph. D.	Professor	Environmental Plant Physiology and Biochemistry	35	1
K. P. Sarma	Ph. D.	Professor	Environmental Chemistry, water pollution and remediation of toxins	30	1
R. R. Hoque	Ph. D.	Associate Professor, HOD	Air Pollution and Environmental Monitoring and Assessment	12	4
A. K. Das	Ph. D.	Associate Professor	Geomorphology, Regional Climate	11	1
Ashalata Devi	Ph. D.	Assistant Professor	Plant Ecology, Population dynamics and Biodiversity conservation	11	1
N. Gogoi	Ph. D.	Assistant Professor	Plant Physiology and Biochemistry	10	nil
S.S. Bhattacharya	Ph.D.	Assistant Professor	Vermiculture, Plant Nutrition & Soil Fertility Management	10	nil
Sumi Handique	M. Sc.	Assistant Professor	Geochemistry	4	nil
Manish Kumar	Ph. D.	Assistant Professor	Hydro geochemical Processes, Groundwater modelling, Urban hydrology, contaminant transport, Heavy metal speciation	6	nil
Amit Prakash	Ph. D.	Assistant Professor	Atmospheric Processes; Air and Noise pollution monitoring and modelling; Environmental System modelling; Urban Climate.	7	nil
Sudip Mitra	Ph. D	Assistant Professor	Natural Resources Management, Climate change: V & A; Carbon &	15	nil

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph. D students guided last 4 years
			Nitrogen Dynamics in SPAC; Simulation		

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil

13. Percentage of classes taken by temporary faculty – programme-wise information: Nil

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
M. Sc. in Environmental Science	50	11	5:1
Ph.D. in Environmental Science	52	10	5:1
All departmental programmes (excluding Ph.D.)	50	11	5:1
All departmental programmes (Including Ph.D.)	102	11	9:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
UDC	01	01	01
MTS	01	01	01
T.A.	01	01	01
S.T.A.	01	01	01

16. Research thrust areas as recognized by major funding agencies

Research area	Funding Agency
1. Climate Change	UGC, MoES
2. Air pollution- Aerosol characterization and effects	MoES, UGC
3. Water quality & Hydrology	UGC, DST
4. Waste management & Ecological Engineering	CSIR, DBT
5. Environmental Quality Assessment	DST
6. Regional Geomorphology	DST
7. Forest ecology, Behavioral ecology and Biodiversity conservation	UGC, DST, GBPIHED, MoEF
8. Plant physiology and Environmental stress	UGC

17. Number of faculty with ongoing projects from

- a) National agencies : 10
- b) International funding agencies : Nil
- c) Total grants received : ₹ 471.97 lakhs

**Names of the funding agencies, project title and grants received project-wise.
(List of projects submitted in the enclosed format, Vol-II B)**

Ongoing project: 20/ 471.97 Lakh
Completed project: 6 / 78.7 Lakh

18. Inter-institutional collaborative projects and associated grants received**a) National collaboration b) International collaboration**

National				
Sl. No.	Name of Investigator/s	Collaborators	Sanctioned amount (in ₹)	Funding Agency
1	K. K. Baruah	Collaborative research with Indian Institute of Tropical Meteorology, Pune	54.89 Lakh + Equipment supply of 1.2 core	Ministry of Earth Science, GOI
2	R. R. Hoque	Collaborative research with Indian Institute of Tropical Meteorology, Pune	20.04 lakh + Equipment supply	Ministry of Earth Science, GOI
3	K. P. Sarma	Collaborative research with Bhabha Atomic Research Center, Trombay, Mumbai	24.56 Lakh	Department of Atomic Energy
International				
Nil				

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Selected for UGC-SAP in June/2015. Sanctioned amount ₹1.35 cores (yet to receive)

20. Research facility / centre with state/national/international recognition: Nil**21. Special research laboratories sponsored by / created by industry or corporate bodies**
Nil**22. Publications**

Publication type	Year			
*Number of Papers published in peer reviewed journals	2014-15	2013-14	2012-13	2011-12
<i>National journals</i>	nil	02	01	02
<i>International journals</i>	32	23	13	17
<i>Regional</i>	nil	nil	nil	nil
Conference Proceedings	02	02	02	03
Books (with ISBN) & Monographs	nil	nil	01	nil
Chapters in Books	02	01	01	nil
Edited Books	nil	nil	nil	nil
Important Translated work				
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	85			
Citation Index – range / average	1 to 13/2.85			
SNIP	nil			

SJR	nil
Impact Factor – range / average	0.83 to 5.04/3.35
h-index- range/average	2 to 18/5

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generate: Nil

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad: Nil

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
d) Reviewer of reputed journals (e) any other (please specify)

Name	National committees	International committees	Editorial Boards	Reviewer	Others
Manish Kumar			1. Ground water for Sustainable Management (Elsevier) 2. Int. J. of Geoscience (SCIRP) 3. The Scientific World Journal	15 int. journals including 8 Elsevier, 5 Springer, 1 IPO and SCIRP journals	
K. K. Baruah	1. UGC Expert committee member on MRP 2. UGC Expert on minor RP		1. Indian J. of plant physiology (Springer) 2. Journal of climate change and environmental sustainability	4 int. Journals including Elsevier and Springer	Member of AC, RGU
Ashalata Devi			1. Member of “NeBio” (NECEER)		
A. K. Das				1 Int. Journal by (Taylor & Francis)	
Nirmali Gogoi				4 Int. journals	
Sudip Mitra	1. National Children Science Congress 2. Academic panel member, ASTEC		1. Int. J. of Bio-sciences and Technology 2. Int. J. of BioSciences, Agriculture and Technology (IJBSAT)	6 int. journals including Elsevier, Springer, Wiley and Academic Journals	Expert for 22 nd National Children Science Congress 2014, Bengaluru
S. S. Bhattacharya				5 int. journals (4 Elsevier, 1 Springer)	
R. R. Haque				5 int. journals including	

				Elsevier, Springer, Wiley	
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**27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
(details of participation of faculty in such programmes)**

Name	Programme and Organiser	Period
K. P. Sarma (Resource person)	Refresher course on “Environmental Science”, ASC, Guwahati University	20 Dec. 2012
K. P. Sarma (Resource person)	Refresher course on “Environmental Science”, ASC, Guwahati University	13 June 2011
Ashalata Devi (Participant)	1-week National Training programme for Scientists and Technologies in “ <i>Biodiversity Conservation with Focus on Ecological Monitoring</i> ”, Wildlife Institute of India, Dehradun	5 – 9 Sept. 2011
Ashalata Devi (Participant)	TEQIP sponsored Faculty Development Programme on “ <i>Remote sensing & GIS applications in Natural Resources Management</i> ”, Dept of Agricultural Engg, NERIST, Arunachal Pradesh.	14-18 May, 2012
Ashalata Devi (Participant)	Training cum workshop on Statistical package for social sciences (SPSS), Dept of Sociology, TU.	3-9 Nov, 2014
Nirmali Gogoi (Participant)	Summer School on “Climate variability and its impact on crop production-Physiological perspective towards mitigation strategies” Dept. of Crop Physiology, Assam Agricultural University, Jorhat in collab. with ICAR.	23 Aug- 12 Sept, 2011
Nirmali Gogoi (Participant)	Training cum workshop on Statistical package for social sciences (SPSS), Dept of Sociology, TU.	3-9 Nov., 2014

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
M. Sc.	100%

- percentage of students doing projects in collaboration with other universities / industry / institute : Nil

28A. Internship for students of outside institutes

Year	No of students	Participating institutes	Sponsoring agencies
2014-15	02	Amity University	Amity university
2013-14	02	1. Cotton College, Guwahati 2. ISM, Dhanbad	1. Cotton College, Guwahati 2. ISM, Dhanbad
2012-13	01	Darrang College, Tezpur	Darrang College, Tezpur

29. Awards / recognitions received at the national and international level by

- Faculty

Name	Award/recognition	Year
Dr. Manish Kumar	Best Research Award, 4 th Asia-Pacific Young Water Professionals (APWYP-2012), Tokyo	2012
Dr. Manish Kumar	Kurita Water and Environment Foundation (KWEF) Research Grant award (2014-2015)	2015

- **Doctoral / post doctoral fellows**

Name	Award/recognition	Year
Dr. Ritusmita Goswami	DST, Fast Track	2014-2017
Dr. Pratibha Sharma	DBT, RA (III)	2014-2016

- **Students:** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/eminant participants, if any.

Name of Faculty coordinator	Seminar/Conferences/workshops organized (mention dates) (National/International)	Source of funding	Eminent Participant/ resource person
K.P. Sarma (LOC) and Manish Kumar (International and local organizing committee)	International Conference “1st International Forum on Asian Water Environment Technology” (IFAWET) 18-20 December, 2013 JNUCC, New Delhi	RECWET, Univ. of Tokyo; AIT, Bangkok; Kurita Water Foundation, Japan	1. Prof. D. Chakraborty 2. Prof. A. Kazimi 3. Prof. H. Furumai 4. Prof. A. L. Ramanathan 5. Dr. K. Kurisu 6. Dr. P.S. Dutta

31. Code of ethics for research followed by the departments

1. Safety practices
2. Proper disposal of laboratory waste
3. Due credit and acknowledgement of others' contribution, resources, and materials utilized in research
4. Personal protective equipment
5. No plagiarism
6. Sustainable environment

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
M. Sc.	333	07	14		
Ph. D.	23	04	04		
2013-14					
M. Sc.	339	06	22	100	100
Ph. D.	46	06	06		
2012-13					
M. Sc.	288	06	18	100	100
Ph. D.	21	01	05		
2011-12					
M. Sc.	235	02	21	100	100
Ph. D.	13	01	09		

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. Sc.	NIL	80	20	Nil
Ph. D.	70	28	2	Nil

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	No of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	-	-	0	01	01
NET LS	-	-	04	08	02
GATE	-	-	-	-	-
Civil Services	-	-	-	-	-
Engineering Services	-	-	-	-	-
Defence services	-	-	-	-	-
Others (Specify)	-	-	-	-	-

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	Nil
PG to Ph.D.	26 %
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	02
• Other than campus recruitment	04
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	9.09 %
from other universities within the State	81.81 %
from universities from other States	9.09 %
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Internet facilities for staff and students	Yes	For all

b) Total number of class rooms	Yes	3(130)
c) Total number of class rooms with ICT	Yes	1(50)
d) Students' laboratories	Yes	3(50)
e) Research laboratories	Yes	11(60)
g) Archive/Museum/Studio (as applicable)	nil	

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
35	16
Post-Doctoral	
01	Nil
Research Associates	
Nil	01

40. Number of post graduate students getting financial assistance from the university: Nil**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Yes, (Methodology adopted for the PGDEM): Rounds of discussion among faculties, feedback from corporate bodies (ONGC, OIL, IOC, Paper industries etc.) and existing students.

42. Does the department obtain feedback from

a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	Yes, the complied feed backs are being placed in the faculty meeting and suggestions are incorporated depending upon relevance and requirements.
b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Yes, the complied feed backs are being placed in the faculty meeting and suggestions are incorporated depending upon relevance and requirements. The feedbacks are duly forwarded for evaluation at higher administrative level.
c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	We have Alumni member in the 'Board of Studies', which help in the development and revision of curriculum and syllabus. Alumni feedbacks are discussed in the DAC and accordingly teachers are advised to incorporate in the teaching and research.

43. List of selected alumni of the department

Sl No.	Name	Programme and batch	Current position/ achievement (if any)
1	Dr. Kaushik Das	Ph. D., 2009	Assoc. Prof., AAU, Assam
2	Dr. Deepak Sarma	Ph. D., 2012	Assoc. Prof., AAU, Assam
3	Dr. Boby Gogoi	Ph. D., 2011	Junior Scientist (Physiologist), TRA, Assam
4	Dr. Mayuri Chabukdhara	M. Sc., 2007	Scientist, NESAC, ISRO, Shillong, Meghalaya

5	Juri Barbora	M.Sc., 2006	IPR Cell, Tezpur University,
6	Ranjana Singha	M. Sc., 2013	Environmental scientist State Pollution Control Board, Assam

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl No.	Programme details	Date/s	Name of Experts
1	Guest lecture	April 2011	Dr. M. Someshwar Rao, Scientist D, National Institute of Hydrology (NIH), Roorkee, UK, India
2	“Innovation in Jhum cultivation”	October 2011	Dr. Abhinandan Saikia TISS
3	“A political ecology” view of environmental in conservation Assam	18 th July, 2012	Dhananjaya Katju, Texas A & M University, USA
4	Nanotechnology application for pollutant removal and nutrient recovery	5 th Feb. 2013	Dr. Achinta K. Bezbaruah, NDSU, USA
5	ARC-GIS applications	24 th July 2014	Ayantika Saha, ESRI India Ltd., Kolkata, India
6	Research prospects	9 th Feb. 2015	Prof. B. N. Goswami Director, IITM, Pune, India
7	Teaching and research prospects in Environmental Sciences (Interactive session with students)	August 2011	Prof. C. Mahanta, HoD, Dept. of Electronics & Electrical Engineering, IIT, Guwahati, Assam, India
8	Teaching and research prospects in Environmental Sciences (Interactive session with students)	August 2011	Prof. S. Kalita, HoD, Dept. of Environmental Science, Guwahati University, Assam,

45. List the teaching methods adopted by the faculty for different programmes.

- Classroom lectures with chalk-&-Board, PPT presentations
- Field trips/ laboratory experiments
- Interactive sessions
- Group discussions & oral presentation to promote self study
- Home & library assignments
- Supplementary learning materials for better understanding
- Special lectures involving experts

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Departmental Advisory Committee monitors the progress and evaluation of the courses. The university also conducts academic audit.
- Departmental Research Committee monitors the regular progress of all research scholars.
- Board of Studies review and examine the syllabus and other academic activities.
- Doctoral Committees monitor and examine the progress of the respective research scholars.

47. Highlight the participation of students and faculty in extension activities.

- Laboratory to land programme in small and medium scale industries.

- ii) Analytical support to private entrepreneurs.
- iii) Environmental awareness campaign among the school children and communities.
- iv) Participation in workshop, seminars, popular lectures/talks.

48. Give details of “beyond syllabus scholarly activities” of the department.

- i) Faculty members participate in various social and environmental activities to popularize sustainability issues.
- ii) Group discussion on current environmental issues
- iii) Expert visits and interactions
- iv) Organization, participation in conferences, workshop, seminars and popular lectures
- v) General articles in local publications – e.g. about rain harvesting, air quality, etc.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- a. Arsenic removal from ground water using nanoparticles
- b. Long range transport and meteorological map
- c. Urban heat island for small cities
- d. Generating long term database of air quality of rural Assam
- e. Identification of new earthworm species for vermicomposting
- f. Identifying low green house gases emitting rice varieties
- g. Understanding the chemical properties of biomass smoke particles
- h. Imprints of climate changes on high altitudes lakes
- i. New record of lichen species
- j. Understanding of Arsenic-fluoride co-contamination in Brahmaputra flood plain
- k. Identified certain important tolerant plant genetic traits of green gram and potato to water stress and high temperature stress conditions
- l. New record on Western hoolock gibbon feeding's on non-plant food items

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1 Faculty trained and educated from leading national/international institution in various domains of Environmental Science/Engineering. So, teaching and research is of international quality.
Faculty represents various regions of India giving a cosmo-environment and an outlook that is national in nature.
- 2 Faculty having diverse areas of experience and 100% of the faculty is engaged in teaching and research, which makes learning easy.
- 3 Transparency and ethics in teaching and research is the priority in the department. Transparent and wider participation of all faculties in decision making process of the department.
- 4 Department encourages collaborative efforts in research; several faculty members are engaged in collaboration with leading institutes of the country like IITM-pune, National Institute of Hydrology, National Botanical Research Institute, etc.
- 5 The M.Sc. syllabus is a balanced one and at par with institutes of repute, which is reflected in the fact that large number of our students is clearing UGC-CSIR NET examinations regularly. The syllabus is periodically being revised.

Weaknesses

- 1 As many in the faculty are still in the take-off stage of their research, a lot of energy in the efforts goes in settling in terms of developing laboratories and orientation in their domains to carve a niche.
- 2 Considering the nature of the discipline, more diversification in research, like premiere institutes such as IISc, Bangalore and JNU, New Delhi, is desired.
- 3 Applicants for the MSc and PhD programmes are mostly from NE region. For a wider perspective the department needs to attract students from other regions of the country as well
- 4 Streamlining of maintenance of central instrumentation facilities of the department as there is an inherent locational disadvantage
- 5 Limited undergraduate applicants from physical and chemical science for M.Sc. programme

Opportunities

- 1 To generate human resource with grass root understanding of the environmental problem of NE region, in particular.
- 2 To incubate leadership qualities in the students and research scholar to take up initiative in thrust area of local and global importance.
- 3 To provide national level academic leadership in environmental studies.
- 4 To become the interface between academics and policy making bodies pertaining to environmental issues.
- 5 Research on environmental matrices/parameter for a region that remains by and large unexplored.

Challenges

- 1 Placement of students
- 2 Considering locational disadvantage it is challenge to invite young talented researchers to join the department.
- 3 Competing in research with other premiere institute of South Asian region.
- 4 Keeping the job market in mind, continuous inflow of quality students for higher studies is a challenge.

52. Future plans of the department.**New Programmes**

- Integrated M.Sc.–Ph.D.

New research Initiatives

- Strengthening and diversification of research
- Development of more collaboration and research network
- National need based mitigation research in major areas of environmental challenges
- Departmental projects from UGC-SAP
- Increased international collaborations

School of Sciences

1. Name of the Department: Mathematical Sciences

2. Year of establishment: 1994

3. Is the Department part of a School/Faculty of the university? Yes, School of Sciences

4. Names of programmes offered

S.No.	Name of Programme	Duration	Intake
1	M. Sc. in Mathematics (1994)	2 yrs	42
2	Integrated M. Sc. in Mathematics (2009)	5 yrs	20
3	Integrated B. Sc. B. Ed. (Mathematics major) (2012)	4 yrs	10
4	Ph. D. in Mathematical Sciences (1994)	3-6 yrs	variable

5. Interdisciplinary programmes and departments involved

Programme	Other Departments
Integrated M. Sc. in Mathematics	Dept. of Physics, Chemical Sciences, MBBT, Sociology, English & Foreign Languages, Environmental Science
Integrated B. Sc. B. Ed (Mathematics major)	Dept. of Physics, Chemical Sciences, MBBT, Sociology, English & Foreign Languages, Environmental Science, Education

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

None

7. Details of programmes discontinued, if any, with reasons

Programme	Reason of discontinuation
M. Tech. Computational Seismology (2005-2010)	Discontinuation of financial support (Program conducted under 5 yr DST project)

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Course/Programme	Offered under department/school
B. Tech. (all branches) Sem-I, II and III	School of Engineering
B.Tech (civil) Sem-IV	School of Engineering
M. Tech. (FET)	School of Engineering
Integrated M.Sc. Programmes in Physics, Chemistry and Bioscience & Bioinformatics	School of Sciences
Integrated B.Sc. B.Ed. (Physics and Chemistry major)	School of Sciences

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual
Professor	3	3	5
Associate Professor	6	6	5
Assistant Professor	7	7	6
Others (ad-hoc positions)	-	-	2

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance (last four years)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided last 4 years
Munindra Borah	Ph.D.	Professor	Probability Distributions, Optimization using GA	20	7
N. Deka Baruah	Ph.D.	Professor	Number Theory, Ramanujan's Mathematics	18	6
Debajit Hazarika	Ph.D.	Professor	General, Topology, Fuzzy sets & applications	20	2
Munmun Hazarika	Ph.D.	Professor	Operator Theory, Functional Analysis	17	2
Milan Nath	Ph.D.	Professor	Ordinary Graph Spectra, Inverse eigen value problem	6	1
Santanu Dutta	Ph.D.	Associate Prof	Statistics (Non-parametric)	13	nil
Dhiren Kr. Basnet	Ph.D.	Associate Prof	Algebra, Fuzzy Set Theory	3	nil
Shuvam Sen	Ph.D.	Associate Prof	Computational Fluid Dynamics	12	nil
Bhim Pd Sarmah	Ph.D.	Associate Prof	Theoretical Physics	19	nil
Rajib Haloi	Ph.D.	Assistant Prof	Differential Eqns, Analysis	8	nil
Bipul Kr Sarmah	Ph. D.	Assistant Prof	Theory of Partitions, Ramanujan's Mathematics	3	nil
Rajat Kanti Nath	Ph. D.	Assistant Prof	Group Theory, Character Theory	3	nil
Debajit Kalita	Ph. D.	Assistant Prof	Algebraic Graph Theory	3	nil

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided last 4 years
Deepjyoti Goswami	Ph. D.	Assistant Prof	Numerical Analysis, Finite Element Method	2	nil
Pankaj Kumar Das	M. Phil	Assistant Prof	Coding Theory	Less than 1 year	nil
Somnath Paul	Ph. D.	Assistant Prof (ad-hoc)	Spectral Graph Theory		nil
Surya Sekhar Bose	M. Sc.	Assttiant Prof (ad-hoc)	Graphs and Matrices		nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Visiting Fellow	1. Prof. Alok Goswami, ISI Kolkata. (Spring 2014, 2015, short terms)
Adjunct Faculty	None
Emeritus Professors	None

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	%
B. Tech (all)	20%
Integrated M. Sc. (Mathematics)	nil
M. Sc. (Mathematics)	0-10%

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
M. Sc. in Mathematics	93	17	11:1*
Integrated M. Sc. in Mathematics	65		
Integrated B. Sc. B. Ed. (Maths)	24		
Ph.D.	20	8	3:1*

*the ratio excludes the students of Programmes of other departments (please refer to item 9)

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled
System Analyst	01	01
Technical Assistant	01	01
UDC	01	01
MTS	01	01

16. Research thrust areas as recognized by major funding agencies

Research area	Funding Agency
Number Theory, Operator Theory	UGC-SAP

Number Theory, Algebra	DST-FIST
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17. Number of faculty with ongoing projects from

- a) National agencies : 3
- b) International funding agencies : Nil
- c) Total grants received : ₹ 12 Lakhs

Names of the funding agencies, project title and grants received project-wise.
(List of projects submitted in the enclosed format, Vol-II B)

18. Inter-institutional collaborative projects and associated grants received: Nil

- a) National collaboration b) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S.N.	Project	Year	Level	Sanctioned amount (lakh)
1	DST-FIST	2012-2017	I	₹ 54.00
2	UGC-SAP	2011-2016	I	₹ 20.50 + Fellowship of one Project Fellow
3	NBHM book-grant	2011-2015	yearly	₹ 14.40

20. Research facility / centre with state/national/international recognition

Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications

Publication type	Year			
*Number of Papers published in peer reviewed journals	2014-15	2013-14	2012-13	2011-12
<i>National journals</i>	nil	nil	nil	nil
<i>International journals</i>	34	24	47	30
<i>Regional</i>	nil	nil	nil	nil
Conference Proceedings	1	nil	1	1
Books (with ISBN) & Monographs	nil	nil	nil	1
Chapters in Books	nil	1	nil	nil
Edited Books	nil	nil	nil	nil
Important Translated work	nil	nil	nil	nil
Number listed in International Database (e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)				
Citation Index – range / average	1-12			
SNIP	Nil			
SJR	Nil			
Impact Factor – range / average	0.165-3.44			
h-index- range/average	1-8			

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generate

Nil

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad

Name	In what capacity	Sponsoring agency	Place of visit	Duration & time period
Rupam Barman*	Post-Doctoral Fellow	NBHM, University of Heidelberg	University of Heidelberg, Germany	4 months 01.04.2011-31.07.2011
Rupam Barman*	Indo-Aus Visiting fellow	INSA	Newcastle University, Australia	2012-2013 (Not availed)
Shuvam Sen	Visiting Fellow	Taiwan National University	Taida Institute of Math. Sci., Taiwan National University, Taipai, Taiwan	One month 12.12.2013-11.01.2014
Shuvam Sen	Visiting Fellow	INSA	Germany	2015 (Autumn)

*moved to IIT, Delhi in May, 2013

26. Faculty serving in**a) National committees b) International committees c) Editorial Boards****d) Reviewer of reputed journals (e) any other (please specify)**

Name	National committees	International committees	Editorial Boards	Reviewer	Others (referee of)
N. D. Baruah	DST-SERB Project Evaluation Committee			Mathscinet	>20 international journals
D. K. Basnet				Mathscinet	4 international journals
S. Sen					2 international journals
M. Nath					> 10 international journals
R. Haloi					1 international journal
R. K. Nath				Mathscinet	3 international journals
D. Kalita					4 international journals
S. Paul					4 international journals
D Hazarika			J. Indian Academy of Math.		

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Programme and Organiser	Period
R. Barman*	Summer School on BSD Conjecture Sardinia, Italy	June 26-July 03, 2011
S. Sen	IUTAM Symposium on Bluff Body Flows, IIT Kanpur	Dec 12-16, 2011
S. Sen	Workshop on Analysis ISI Kolkata and Tezpur University	Jan 03-09, 2012
S. Sen	Workshop on Financial Mathematics, IIT Guwahati	Oct 29- Nov 03, 2012
S. Sen	DAAD supported international workshop on Advances in PDE Modeling and computation, IIT Madras	Oct 21-25, 2013
R. K. Nath	Workshop on Analysis, ISI Kolkata and Tezpur University	Jan 03-09, 2012
R. Haloi	Instructional School for Lecturers: Differential Equations and Computations, Jaypee University of Information Technology	June 04 - 16, 2012
D. Hazarika	Workshop for IQAC Co-ordinators NAAC, Bangalore	July 04 - 05, 2012
R. Barman	Workshop on Bloch-Kato Conjectures, International Center for Theoretical Sciences, IISER, Pune	July 17-21, 2012
B. K. Sarmah	Refresher course in Mathematics, ASC, Gauhati University	Feb 09-Mar 01, 2015
D. Goswami	Workshop on Optimization with PDE Constraints, TIFR-CAM, Bangalore	Nov 25 - Dec 06, 2013
M. Hazarika	International Workshop on Operator Theory and Applications, Indian Institute of Science, Bangalore	December 16 -20, 2013
D. Hazarika	5 th Indian School of Logic and Applications, Tezpur University	Jan 6 -17, 2014
P. Medhi**	Large Scale sample survey and regression techniques, Department of Statistics, Gauhati University	Mar 12-14, 2014
P. Medhi	Workshop on Probability, Department of Mathematical Sciences, Tezpur University	Jan 02-10, 2014
R. Haloi	A Compact Course on Navier-Stokes Equations for Incompressible Fluids, TIFR-CAM Bangalore	June 03 - 13, 2014
R. Haloi	Advanced Instructional School on Theoretical and Numerical Aspects of Inverse Problems TIFR CAM Bangalore	June 16 - 28, 2014
D. Goswami	Advanced Instructional School on Theoretical and Numerical Aspects of Inverse Problems TIFR CAM Bangalore	June 16 - 28, 2014

*moved to IIT, Delhi ** moved to Cotton College State University

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
M. Sc. in Mathematics	100%
Int. M. Sc. in Mathematics	100%

- percentage of students doing projects in collaboration with other universities / industry / institute: Nil

28A. Internship for students of outside institutes

Year	No's	Participating institutes	Sponsoring agencies
2014-15	6	IIT Roorkee, Inst. of Math & Appl., Bhubaneswar, Pondicherry University, Chennai Mathematical Institute	National Science Academies, Inst. of Math & Appl., Bhubaneswar, Pondicherry University, Chennai Mathematical Institute
2013-14	5	Inst. of Math. & Appl., Bhubaneswar, Bajali College, Gauhati University	Tezpur University, National Science Academies
2012-13	3	Ramjas College, UM-DAE Centre for Excellence in Basic Sciences	Tezpur University UM-DAE Centre for Excellence in Basic Sciences
2011-12	1	UM-DAE Centre for Excellence in Basic Sciences	UM-DAE Centre for Excellence in Basic Sciences

29. Awards / recognitions received at the national and international level by

- Faculty

Name	Award/recognition	Year
Dr S. Sen	INSA visiting fellow	2015

- Doctoral / post doctoral fellows: Nil

- Students

Name	Award/recognition	Year
Rishabh Sarma	D. K. Bora memorial NASA Visit award, Govt of Assam	2014
Rishabh Sarma	Selected for 8 th Asian Science Camp, Singapore	2014
Manjil P. Saikia	Selected for Advanced Diploma (leading to Ph.D.) ICTP, Italy	2014
Manjil P. Saikia	Selected for Ph. D. programme, University of Vienna, Austria	2015

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding/eminent participants, if any.

Name of Faculty coordinator	Seminar/Conferences/ workshops organized (National/International)	Funding	Eminent Participant/ resource person
N. D. Baruah and R. Barman	Winter school and conference on Algebra & Number Theory, 23-29 December, 2011.	NBHM and DST	1. Prof. Eknath Ghate, TIFR Mumbai 2. Prof. Dilip P. Patil, IISc 3. Prof. R. Sujatha, Univ. of British Columbia 4. Prof. Kapil H. Paranjape, IISER, Mohali
N. D. Baruah and	Winter school on Galois Theory, December 12-15, 2012.	NBHM	1. Prof. Dilip P. Patil, IISc

Name of Faculty coordinator	Seminar/Conferences/ workshops organized (National/International)	Funding	Eminent Participant/ resource person
R. Barman			2. Dr. Anupam Saikia, IIT, Guwahati 3. Dr. S. Laishram, ISI Delhi
M. Hazarika, B. Deka, S. Dutta	One week workshop on Analysis, January 03-09, 2012	ISI Kolkata & UGC-SAP	1. Prof. G. Mukherjee 2. Prof. Alok Goswami, (ISI Kolkata)
B. P. Sarmah	Workshop on Gravitational Data Analysis, Jan. 2012.	IUCAA	Prof. Sanjeev Dhurandhar, IUCAA
D. K. Basnet	Workshop on Undergraduate Algebra, Analysis and its Applications for North East, March 28-03 April, 2013.	ISI Kolkata and UGC-SAP	1. Prof. Alok Goswami, ISI Kolkata 2. Prof. B. K. Sarma, IIT Guwahati 3. Prof. Swadhin Pattanayak, IMA-Bhubaneswar
D. Hazarika	Work and achievement of Professor Manjul Bhargava: Fields Medalist-2014, 06 September, 2014	Tezpur University	1. Dr. Anupam Saikia, IIT Guwahati 2. Prof. N. D. Baruah, Tezpur University
D. K. Basnet and S. Dutta	Faculty Development Programme for the teachers of Mathematics in degree colleges of Assam, 12-18 Dec, 2014	UGC-SAP	1. Prof. N. D. Baruah, Tezpur University 2. Dr. B. Deka, IIT, Guwahati
S. Dutta and N. D. Baruah	Workshop on Mathematics for the 1st year students of M.Sc. in Mathematics, 2-7 Feb, 2015	UGC-SAP	1. Prof. Alok Goswami, ISI, Kolkata
D. K. Basnet	Workshop on Algebra and Analysis, 17—23 Feb., 2015	NBHM and Tezpur University	1. Dr. R. Sarma, IIT, Delhi 2. Dr. P. A. Shreekrishna, IIT, Guwahati 3. Dr. P.P. Ghosh, ISINE

31. Code of ethics for research followed by the departments

University policy guidelines are strictly adhered to. No to plagiarism.

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
M. Sc. in Mathematics	305	33	8	NA	NA
Integrated M. Sc. in Maths	394	12	7	NA	NA
Integrated B. Sc. B. Ed. in Mathematics	95	4	3	NA	NA
2013-14					
M. Sc. in Mathematics	197	30	26	NA	NA
Integrated M. Sc. in Maths	367	14	3	NA	NA
Integrated B. Sc. B. Ed. in Mathematics		5	3	NA	NA
2012-13					
M.A./M. Sc. in Mathematics	172	31	21	70.97	90.48
Integrated M. Sc. in Maths	180	8	8	NA	NA
Integrated B. Sc. B. Ed. in Mathematics	-do- (common)	6	3	NA	NA
2011-12					
M.A./M. Sc. in Mathematics	192	34	28	76.47	92.86
Integrated M. Sc. in Maths	400+ (all streams)	1	3	NA	NA
Integrated B. Sc. B. Ed. in Mathematics	-do-	2	1	NA	NA

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. Sc. in Mathematics	NA	92-95	5-8	0
Integrated M. Sc. in Mathematics	NA	95	05	0
Integrated B.Sc. B.Ed. in Mathematics	NA	100	0	0

34. How many students have cleared Civil Services, Defense Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	No of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	--	03	--	01	03
NET LS	03	01	02	02	--
GATE	05	02	01	03	03

Civil Services	--	01	--	--	--
Defense services	nil	nil	nil	nil	nil
Others (Specify) SLET	05	04	01	01	--

35. Student progression

Student progression	Percentage against enrolled
UG to PG	100%
PG to M.Phil.	4%
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	-

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	5.5%
from other universities within the State	55.6%
from universities from other States	38.9%
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph.D.	6
M. Phil	0
D.Sc.	0
D. Litt.	0

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	No	-
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	06
d) Total number of class rooms with ICT	Yes	04 (conference room + two class rooms + laboratory)
e) Students' laboratories	Yes	01
f) Research laboratories	No	-
g) Archive/Museum/ Studio	Nil	-

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
11	09
Post-Doctoral	
Nil	Nil
Research Associates	
Nil	Nil

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new programme (s)? If so, highlight the methodology.

New programme proposals are thoroughly discussed in the Board of Studies before submitting the same to the School Board.

42. Does the department obtain feedback from

(a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	Yes. All the feedbacks related to teaching, learning and evaluations are provided to the concerned faculty member who then initiates necessary modifications if necessary.
(b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Feedbacks from students on each course are collected through the Head of the Department and discussed with the concerned person for improvement.
(c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	Carried out by the IQAC and passed on to the department for review and necessary action

43. List of selected alumni of the department

Sl No.	Name	Programme and batch	Current position/ achievement (if any)
1	Zamal Hussain	M. Sc. 1996, Ph. D. 2000	Professor, Dept. Math & Comp. Sc. Mizoram University, Mizoram, India
2	Sanjay K. Paul	Ph.D. 2002	Professor, & Head, Clinical Trials and Biostatistics Unit, QIMR Berghofer Biological Research Institute, Queensland, Australia
3	Subrata Chakraborty	Ph.D. 2002	Professor, Dept of Statistics, Dibrugarh University
3	Zakir Hussain Ahmed	M. Sc. 1996, Ph. D. 2003	Assoc.Professor, Dept of Comp. Sc., Al-Imam Muhammad Idn Saud Islamic Univ., Riyadh, KSA
4	Bubul K Saikia	Ph.D. 2006	Principal, Lakhimpur Telahi Kamalabaria College, Assam
5	Nipen Saikia	M. Sc. 2002 Ph. D. 2006	Assistant Professor, Rajiv Gandhi University, Arunachal Pradesh
6	Dipankar Saikia	M. Tech. 2009	Scientist B, Indian National Centre for Ocean Information Services, Hyderabad
7	Dipak Kumar Mitra	M. Sc. 2005 Ph. D. 2011	Assistant Professor, Bodoland University, Kokrajhar
8	Jeevan Krishna Khaklary	M. Sc. 2004	Assistant Professor, Central Institute of Technology, Kokrajhar
9	Gautam Kalita	M.Sc. 2010 Ph.D. 2014	Asst Professor, IIIT, Guwahati
10	Jwngswar Brahma	M.Sc. 2007 M.Tech. 2009	Asst Professor, Pandit Deendayal Petroleum University, Gandhinagar

44. Give details of student enrichment programmes (special lectures/ workshops/ seminar) involving external experts.

Sl No.	Programme details	Date/s	Name of Experts
1	1.Ramanujan's Lost Notebooks 2. Circle Problem.	19-20 May, 2011	Prof. Bruce C. Berndt University of Illinois at Urbana Champaign, USA
2	Seminar Series in Category Theory. (Six Lectures)	16-02-2012 to 19-04-2012	Dr. Partha P. Ghosh ISI, NE Centre, Tezpur
3	1. Slant Weighted Toeplitz Operators. 2. Fundamental Theorem of Algebra.	24-02-2012 and 08-03-2013	Prof. S. C. Arora University of Delhi
4	Mathematics and Career Options.	01-04-2013	Prof. Swadhin Pattanayak Inst of Math & Appl., Bhubaneswar
5	Mathematical Perspective of Control Theory.	02-04-2012	Prof. M. C. Joshi IIT, Bombay
6	On Industrial Mathematics with a Case Study from Finance	01-10-2012	Prof. Amiya Kr. Pani Institute Chair Professor IIT, Bombay
7	1. Finite Group Theory. 2. Automorphisms, Central Quotients and Commutator Subgroups of Finite Nilpotent Groups.	10-10-2012 15-10-2012	Dr. Manoj K. Yadav HRI, Allahabad
8	Fundamentals of Reliability Theory	08-03-2013	Prof. S. C. Malik MD University, Rohtak
9	1. Ramanujan & Hypergeometric Series. 2. Talk & Film Show on Ramanujan	29-07-2013 30-07-2013	Prof. K. Srinivasa Rao I.M.Sc., Chennai
10	Recreational Mathematics	02-09-2013	Prof. Magala Narlikar
11	General interaction	02-09-2013	Prof. Jayant V. Narlikar
12	On Mathematica	18-09-2013	Dr. Anshu Manik & Mrs. Sonali De Souza, Wolfram Research, USA
13	On the genus of Unit Graph of Finite rings	09-11-2013	Prof A K Das, NEHU, Shillong
14	The abc conjecture and some of its consequences	15-11-2013	Prof. Michel Waldschmidt Universite et Marie Curie, France
15	Morse Theory and Symmetry Breaking	06-02-2014	Prof. Siddhartha Sen Trinity College, Dublin
16	Computational Commutative Algebra	10-02- 2015	Prof. Martin Kreuzer University of Passau, Germany
17	Introduction to Galois Theory	10-02- 2015	Prof. Dilip P. Patil, IISc, Bangalore

45. List the teaching methods adopted by the faculty for different programmes.

- Traditional black board teaching
- Tutorial
- Presentation in LCD projectors
- Conduct of quizzes

- e. Problem solving assignment to students
- f. Dynamic learning through carrying out projects, report preparation and presentation

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- DAC monitors the progress of the students through scores obtained by students in the continuous evaluation of individual courses and overall satisfaction of the course-coordinators. Additional tutorials/remedial classes are conducted by coordinators as and when necessary.
- Departmental Research Committee monitors the regular progress of all research scholars.
- Board of Studies review and examine the syllabus and other academic activities.
- Doctoral Committees monitor and examine the progress of the respective research scholars.

47. Highlight the participation of students and faculty in extension activities.

Faculty members are engaged regularly as resource person in different workshops, Conferences, Refresher Courses, popular talks and outreach programme of the university.

48. Give details of “beyond syllabus scholarly activities” of the department.

Several lectures/series of lectures have been arranged to enrich the knowledge of the students. Also, Pi day and Science day are celebrated with various scholarly activities.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

None

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The faculty of the department publishes the newest developments in their research in journals of national and international repute.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength

1. Competent faculty
2. Research in diverse directions.
3. Flexible curriculum (provision for large number of elective courses)
4. Good computing facility
5. Yearly NBHM Book grant

Weakness

1. Lack of smart class rooms , acoustic problems in class rooms
2. Inadequate faculty member with statistics background
3. Insufficient space for expansion
4. Lack of well equipped seminar Hall
5. Lack of dedicated computing facility for Research Scholars

Opportunities

1. Collaboration with ISI North East center located at Tezpur for research and other academic activities
2. The integrated M. Sc. Mathematics programme is designed in such a way that students can cope up with any environment of higher learning round the globe
3. With the increase in the number of faculties, the scope for the students to get

exposed to different horizons of mathematical sciences is growing.

4. The catchment domain of student input being large, the department has good opportunity to excel and grow in different directions/ programmes
5. There are possibilities of more collaborative works with different leading teaching & research institutes in India and abroad with increased strength of faculty members in the department

Challenges

1. To cater the needs of large classes (e. g. there are around 300 students in B. tech and Integrated M.Sc. 1st year semester classes,
2. High variation in the input quality of the students
3. Strengthening the statistics group
4. Retaining full time research scholars after initial progress
5. To achieve some national accolades by students & faculty members

52. Future plans of the department.

- Plans for new programme (M. Sc. in Statistics)

Process is on to

1. Evaluate the overall requirement of statistics in other depts./centre of the University
2. Assess the tentative number of seekers of the programme by analysing the results in B. Sc. for past few years and the seats available for M. Sc. studies in the state.
3. Prepare a draft syllabus

School of Sciences

1. Name of the Department: Molecular Biology and Biotechnology

2. Year of establishment: 1997

3. Is the Department part of a School/Faculty of the university? Yes, School of Sciences

4. Names of programmes offered

Sl. No.	Name of Programme	Duration	Intake
1	M. Sc. (Molecular Biology and Biotechnology)	2 years	30
2	Integrated M. Sc. (Bioscience and Bioinformatics)	5 years	20
3	Ph. D. (Molecular Biology and Biotechnology)	3-6 years	variable

5. Interdisciplinary programmes and Departments involved

Programme	Departments involved
Integrated M. Sc. in Bioscience and Bioinformatics	Chemical Sciences, Physics, Environmental Science, Mathematics, English, Sociology, Computer Science and Engineering

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Programme	Collaborating institutes
Ph. D.	JNU, New Delhi; NIPGR, New Delhi; AMC&H, Dibrugarh; GMC&H, Guwahati.

7. Details of programmes discontinued, if any, with reasons: None

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

MSc in Nanoscience and Technology	Department of Physics
Medicinal Chemistry	Department of Chemical Sciences
Food Biotechnology	Dept. of Food Engineering and Technology
Bio-entrepreneurship	Dept of Business Administration

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (incl CAS & MPS)
Professor	02	04	04
Associate Professor	04	04	04
Assistant Professor	10	10	10
Others	Nil	Nil	Nil

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided last 4 years
B. K. Konwar (On lien as VC, Nagaland University)	Ph. D.	Professor	Plant biotechnology, Petroleum biotechnology	31	7
A. K. Buragohain (On lien as VC, Dibrugarh University)	Ph. D.	Professor	Plant biotechnology, Evolutionary genomics	38	3
A. K. Mukherjee	Ph. D.	Professor	Snake venom toxins, Biochemistry, Microbial biotechnology	19	5
S. Baruah	Ph. D.	Professor	Molecular immunology and Immunogenetics	21	4
S. K. Ray	Ph. D.	Associate Professor & Head	Virulence functions bacteria, Molecular evolution	14	1
A. Ramteke	Ph. D.	Associate Professor	Radiation and cancer biology, Computational biophysics	14	nil
M. Mandal	Ph. D.	Associate Professor	Industrial microbiology	12	nil
R. Doley	Ph. D.	Associate Professor	Molecular Toxinology	11	nil
T. Medhi	Ph. D.	Assistant Professor	Redox biochemistry, Enzymology	12	nil
E. Kalita	Ph. D.	Assistant Professor	Plant molecular biology	>8	nil
S. P. G. Ponnamm	Ph. D.	Assistant Professor	Human Molecular Genetics/Disease Biology	>5	nil
A. N. Jha	Ph.D.	Assistant Professor	Bioinformatics and computational biophysics	>4	nil
	Ph. D.	Assistant Professor	Inflammatory gene expression	>4	nil

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided last 4 years
R. Mukhopadhyay			and Microbial Biotechnology		
S. Saha	Ph. D.	Assistant Professor	Posttranslational protein arginylation and its role in cellular physiology and animal development	>4	nil
N. D. Namsa	Ph.D.	Assistant Professor	Molecular virology/Traditional Medicinal plants	4	nil
S. Dasgupta	Ph.D.	Assistant Professor	Molecular Biology/Disease Biology/cellular metabolism	3	nil
M. V. Satish Kumar	Ph.D.	Assistant Professor	Computational Biotechnology and Bioinformatics	3	nil
J. P. Saikia	Ph.D.	Assistant Professor (Temporary)	Plant Biotechnology	>2	nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Senior Visiting Fellow	<ol style="list-style-type: none"> 1. Prof S Kar, Jawaharlal Nehru University, New Delhi 2. Dr T.K. Adhya, Director, Central Rice Research Institute, ICAR, Cuttack 3. Prof. B. Chakraborty, Dept of Botany, North Bengal University, Siliguri 4. Dr. T. Miyaji, Tokyo University of Agriculture. Japan 5. Dr. Gopal Pande, Scientist, CCMB, Hyderabad 6. Prof. K.V Raghavan, Director NCBS, Bangalore 7. Dr. Purnima Sharma, Head, BCIL New Delhi 8. Prof. Alok Bhattacharya, Professor, JNU 9. Prof. Madan Mohan, Professor, Delhi University 10. Prof. A. K. Tyagi, Director, NIPGR, New Delhi 11. Prof. Nikhil K. Chrungoo, NEHU, Shillong 12. Prof. R. Manjunatha Kini, National University of Singapore 13. Prof. Srinivas K. Saidapur, Karnatak University 14. Prof. B. A. Shanbhag, Karnatak University 15. Prof. Samir Bhattacharyya, Vishwabharati, Santiniketan 16. Prof. Indira Ghosh, JNU, New Delhi 17. Prof. V. Nagaraja, IISc, Bangalore 18. Prof. M. R. N Murthy, IISc, Bangalore 19. Prof. Manas K. Santra, NCCS, Pune
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	20. Prof. J. Gowrishankar, CDFD, Hyderabad 21. Prof. V.C. Kalia, IGIB, New Delhi 22. Prof. T.C. Ghosh, Bose Institute, Kolkata 23. Prof. S. Genin, LIPM, Castanet-Tolosan, France 24. Prof. R. N. Sharan, NEHU, Shillong 25. Prof. Sita Naik, SGPGIMS, Lucknow 26. Prof. D. N. Rao, AIIMS, New Delhi 27. Dr. R. V. Sonti, CCMB, Hyderabad 28. Dr. R. Ramanan, CCMB, Hyderabad 29. Dr. S. Chattrejee, CDFD, Hyderabad 30. Dr. P. Verma, NIPGR, New Delhi 31. Dr. G. Jha, NIPGR, New Delhi 32. Prof. A. Nandi, JNU, New Delhi 33. Dr (Mrs). J. Kaur, Delhi University, New Delhi 34. Dr. S. Mohapatra, NIBMG, Kolkata 35. Prof. PP Mazumdar, NIBMG, Kolkata 36. Dr. S. Pandey, IISER, Kolkata 37. Prof. R. Swaminathan, IIT-Guwahati 38. Dr. R. Ramachandran, IGIB, New Delhi 39. Prof. R. Rani, NII, New Delhi 40. Prof. Sher Ali, NII, New Delhi
Adjunct Faculty	Nil
Emeritus Professors	Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	%
M. Sc. Molecular Biology and Biotechnology	2-3 %
Integrated M. Sc. in Bioscience and Bioinformatics	7-8 %

14. Programme-wise Student Teacher Ratio

Programme	No. of students	No. of Teachers	Ratio
M. Sc. Molecular Biology and Biotechnology	56	16	3.5 : 1
Integrated M. Sc. in Bioscience and Bioinformatics	69	16	4.31 : 1
Ph. D. in Molecular Biology and Biotechnology	52	15	3.47 : 1
All departmental programmes (Excluding Ph. D.)	125	16	7.81 : 1
All departmental programmes (Including Ph. D.)	177	16	11.06 : 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
Technical Officer	01	01	01
Senior Technical Assistant	01	01	01
Technical Assistant	01	01	01
Assistant	01	01	01
MTS	01	01	01

16. Research thrust areas as recognized by major funding agencies

Research area	
Microbial Biotechnology	UGC-SAP DRS I
Microbial Biotechnology	UGC-SAP DRS II
Drug discovery from natural resources and Microbial Biotechnology	DBT- Strengthening of teaching and research in North East India

17. Number of faculty with ongoing projects from

- a) National agencies : 14
 b) International funding agencies : 02
 c) Total grants received : ₹ 1356.09 lakhs

Names of the funding agencies, project title and grants received project-wise.

(List of projects submitted in the enclosed format, Vol-II B)

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

National				
Sl. No.	Name of Investigator/s	Collaborators	Sanctioned amount (lakh ₹)	Funding Agency
1	A.K. Mukherjee	1. Dr. Dulal Panda, Professor, Bioscience and Bioengineering, IIT Bombay 2. Dr. Siddhartha Sankar Ghosh, Professor, Dept of Biosciences and Bioengineering, IIT Guwahati 3. Dr. Biplab Bose, Associate Professor, Department of Biotechnology, IIT Guwahati 4. Dr. Anupam Chatterjee, Professor, Department of Biotechnology and Bioinformatics, NEHU, Shillong 5. Dr. Subhro Chatterjee, UGC-FRP Associate Professor, Centre for Biotechnology; AU-KBC Research Center, Anna University, Chennai 6. Dr. Pronobesh Chattopadhyay, Scientist D, Defence Research Laboratory, Tezpur	164.00	DBT
2	S. Baruah	Prof S. Kar, JNU	57.00	DBT
3	S. Baruah	Prof S. Kakati, AMC&H	57.00	DBT
4	S. Baruah	Dr. Phukan GMC&H and Dr. Saikia, AMC&H	47.00	DBT
5	M. Mandal	Dr. A. K. Shukla, Amar Kantak, MP	56.20	DBT
6	M. Mandal	Dr. Hemant Purohit Dr. (Mrs). A. Qureshi, NEERI, Nagpur	54.71	DBT
7	A. N. Jha	IISc. Bangalore	48.72	DBT

National				
Sl. No.	Name of Investigator/s	Collaborators	Sanctioned amount (lakh ₹)	Funding Agency
8	E Kalita	Prof. A. Bhagabati, Dept. of Geography, Guwahati University	95.75	DBT
9	S. K. Ray	Dr. R. V. Sonti, CCMB, Hyderabad	61.32	DBT
10	S. K. Ray	Dr. T. C. Ghosh, Bose Institute, Kolkata Mr. S. S. Satapathy, Tezpur University	26.36	DBT
11	S. K. Ray	Dr. R. Banerjee, Kolkata University	24.72	DBT
12	R. Doley	Dr. B.S Vishwanath, Univ. of Mysore Dr. D. Velmurugan, Univ. of Madras	69.84	DBT
13	R. Doley	Dr. P. Chottapadhyay, DRL, Tezpur	9.8	DRDO
14	T. Medhi	Dr. Mantu Bhuyan, NEIST, Jorhat, Dr K K Sarmah, NESAC, Umiam, Shillong	74.56	DBT
15	Sougata Saha	Dr D. Ghosh, JNU	92.9	DBT
16	Rupak Mukhopadhyay	Dr. Kaushik Biswas, Bose Institute, Kolkata	Total fund: 77.41 Lakhs TU share: 48.60 Lakhs	DBT

International				
1	S. K. Ray	Dr. S. Genin, LIPM, Castanet-Tolosan, France	44.17	CEFIPRA, New-Delhi
2	A.K. Mukherjee	Dr. Yuri. N. Utkin, D.Sc (Chemistry), Director of Department (laboratory of molecular toxinology), National University of Science and Technology (MISIS), Moscow, Russia	45.36	DBT
3	A.K. Mukherjee	Prof. S. P. Mackessy, University of Northern Colorado, USA	-----	(under DBT-CREST programme).

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S.N.	Project	Year	Level	Sanctioned amount (in lakh ₹)
1	UGC-SAP DRS I	2009-2013	I	41.00 + 2 Project Fellow
2	UGC-SAP DRS II	2015-2020	II	80.25 + 2 Project Fellow
3	DBT-Strengthening of teaching and research in North East India	2009-2014	-	149.922

20. Research facility / centre with state/national/international recognition

Facility/centre	State/National/International
DBT-Bioinformatics Infrastructure Facility	National
ONGC-Centre for Petroleum Biotechnology	National
Central Instrumentation Facility	National
DBT-Institutional Biotech Hub	National

21. Special research laboratories sponsored by / created by industry or corporate bodies

Laboratory	Sponsor
ONGC-Centre for Petroleum Biotechnology	ONGC Ltd

22. Publications

Publication type	Year				
*Number of Papers published in peer reviewed journals	2015	2014	2013	2012	2011
<i>National journals</i>	03	03	05	02	0
<i>International journals</i>	36	56	46	42	31
<i>Regional</i>	0	0	03	01	01
Conference Proceedings	06	24	21	09	10
Books (with ISBN) & Monographs	0	0	0	0	0
Chapters in Books	03	02	01	0	01
Edited Books	01	0	0	0	0
Important Translated work	0	0	0	0	0
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	Web of Science, Scopus, Pubmed				
Citation Index – range / average	Total citation 2517				
SNIP					
SJR					
Impact Factor – range / average	Nil to 13.0				
h-index- range/average	26				

23. Details of patents and income generated

Faculty	Details of patent	Income generated
Prof. A.K. Mukherjee	US7 575758B2, 18/08/2009	Nil

24. Areas of consultancy and income generate: Nil**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Name	In what capacity	Sponsoring agency	Place of visit	Duration & time period
A. K. Mukherjee	DBT CRESTAWARD	DBT	University of Northern Colorado, Greeley, CO, USA	September 2011 to September

				2012
S.K. Ray	DBT Oversea Research Fellowship	DBT	CNRS-INRA, Castanet-Tolosan, France	September 2010 to August 2011
A.M. Ramteke	DBT Oversea Research Fellowship	DBT	University of Colorado, Denver, USA	October 2012 to September 2013
M. Mandal	DBT Oversea Research Fellowship	DBT	Havard University, USA	November 2013 to November 2014

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name	National committees	International committees	Editorial Boards	Others
A.K. Mukherjee	1. Past Member, Expert committee for Development of Vision Document in Healthcares for North Eastern-Region of India, Department of Biotechnology, Govt. of India. 2. Past Member, Expert Committee to Examine New Proposals and Monitor Performance of Ongoing Programmes Supported by DBT under Star College Scheme, Govt. of India (2011-2014). 3. Sectional Committee Member (2011-2012), New Biology section, Indian Science		1. Senior Associate Editor, International Journal of Venom Research, U.K. 2. Editorial Board member, American Journal of Bioengineering and Biotechnology, Columbia International Publishing (CIP)	Sectional Co-Chairman and Member of the Scientific Organization Committee, 17th World Congress on Venoms and Toxins organized by International Society on Toxinology, Honolulu, Hawaii, USA, July 2012.

	Congress Association, Kolkata			
S. Baruah	DBT Task force for Human resource development Vice President (Eastern) Indian Immunology Society			
R. Doley			Associate Editor Toxinological Society of India's Newsletter	
S.K. Ray			1. Open Journal of Cell Science & Molecular Biology (published from Hyderabad, India) 2. Resonance: journal of science education (published by the Indian Academy of Sciences) 3. Aperiito Journal of Computer Science and Biology (published from USA)	Reviewer BMC Molecular Evolution, BMC Genomics, FEBS Lett, African Journal of Biotechnology, International Journal of Bio-deterioration and Biodegradation, Cellular and Molecular Life Sciences , Infection, Genetics and Evolution, Biostatistics, Notulae Scientia Biologicae, Actabiotheortic
M. Mandal			Biomass, Fuel, Indian Journal of Microbiology, Biomass Bioenergy,	
R. Mukhopadhyaya			Inflammation and Cell Signaling	Reviewer European Journal of Obstetrics & Gynecology and Reproductive Biology
M.V.S. Kumar				Reviewer of RSC Soft matter, Analyst, Advances, JMGM
J.P. Saikia			Guest Editor	

			Special Issue on Nanosized Synthetic Antioxidant: Synthesis and Potential Applications in Biology	
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27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Programme and Organizer	Period
R. Doley	Orientation Course UGC Staff College, NEHU, Shillong	4-31 July 2011
S.K. Ray	Training on Bioinformatics, ACTREC, Mumbai	18-30 June, 2012
M. Mandal	Training on Bioinformatics, ACTREC, Mumbai	1- 15 July, 2012
S. P. G. Poonam	Orientation Course Staff training JNU, New Delhi	4-28 March, 2013
J.P. Saikia	Faculty Development Programme (FDP) On Current Approaches in Teaching and Research in Science and Technology' School of Engineering, Tezpur University	15-27 Dec. 2014
R. Mukhopadhyay	-Do-	15-27 Dec. 2014
N.D. Namsa	-Do-	15-27 Dec. 2014
S. Saha	-Do-	15-27 Dec. 2014
A.N. Jha	Refresher Course in Theoretical Physics Organized by Department of Physics, Tezpur University.	6-20 Jan 2015

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
M. Sc. Project Work	100 %

- percentage of students doing projects in collaboration with other universities / industry / institute

Name of Programme	Percentage
Summer and winter projects in different Institutions	≈ 60

28A. Internship for students of outside institutes

Year	No of students	Participating institutes	Sponsoring agencies
2014-15	1. Chandrika Konwar 2. Sohina Arora 3. Ms. Udaratta Bhattacharjee (July- August 2014)	Daulat Ram College, University of Delhi Lovely Professional University, Jalandar Institute of Science & Technology, Gauhati University	Tezpur University

2013-14	1. Rashmi 2. Preetha Sundaram	Gargi College, University of Delhi Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu.	Tezpur University National Network for Mathematical and Computational Biology
2012-13	1. Sunita Chetry 2. Anjum Dihingia	NEHU Darrang College	Self Tezpur University
2011-12	1. Megha Lekharu 2. Chayanika Sarmah 3. Sahil Haque	Cotton College, Guwahati, Assam Bangalore University	Tezpur University

29. Awards / recognitions received at the national and international level by

Faculty

Name	Award/recognition
Dr. S. K. Ray	DBT Oversea Research Fellowship 2011
Dr. A. Ramteke	DBT Oversea Research Fellowship 2012
Prof. A. K. Mukherjee	National Bioscience Award 2013
Dr. M. Mandal	DBT Oversea Research Fellowship, 2013
Prof. A. K. Mukherjee	Unit of Excellence Award in NER, 2013
Dr. R. Mukhopadhyay	Unit of Excellence Award in NER, 2013
Dr. S. K. Ray	Unit of Excellence Award in NER, 2013
Prof. A. K. Mukherjee	Sreenivasaya Memorial Award, 2014

Doctoral / post-doctoral fellows: Nil

Students: Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Name of Faculty	Seminar/Conferences/workshops organized (National/International)	Source of funding
S. Baruah	Two days continuous medical education (CME) on Immunology. 28 & 29 October 2011	ICMR and DBT
S. K. Ray	National Workshop on "Protein 3-D structure modeling" organized on Nov. 23-26, 2011	DBT
S. K. Ray	National Workshop on "Chemical informatics (applications in drug design)" organized on March 21-24, 2012	DBT
S. Baruah	National Science Day, 2012 was organized on 28th February, 2012, Theme: Clean Energy Options & Nuclear Safety	DBT
R. Doley	"Workshop on tools of proteomics" 21-22 June 2012	GE Healthcare Life Sciences.
S. Baruah & R. Mukhopadhyay	National "Workshop on Basic Genetic Engineering Techniques for Gene Cloning" organized from 17- 22 December, 2012	DBT
A. K. Mukherjee & S. K Ray	National Seminar cum Workshop on "Recent Advances in Microbial Biotechnology and Molecular Evolution"	UGC and DBT
S. K Ray & A.N Jha	Web Servers' Application in Bioinformatics	DBT-BIF
T. Medhi	National Seminar on "Recent Advances in Applied	ONGCL

Name of Faculty	Seminar/Conferences/workshops organized (National/International)	Source of funding
	Microbiology and Bioprocess Engineering " with Special Reference to Petroleum Biotechnology 23-24 August 2012	
R. Doley & R. Mukhopadhyay	National Seminar on Recent advances in Biotechnology Research in North East India: Challenges and Prospects, 27-29 Nov. 2014	DBT, CSIR, DST
S. Baruah	National "Workshop on Cell Culture Techniques 28-31 March 2014	DBT
S. Baruah	National "Workshop on Real Time Based Gene Expression Studies" 27-28 March 2015	DBT
A.N. Jha	QSAR/QSPR- Applications in drug designing during 14 th to 16 th of February 2015	DBT, BIF
A.N. Jha	Exploring biological databases during 08 th to 09 th March 2015.	DBT, BIF
M.V.S. Kumar	Lecture series on Recent Advance on Mathematical Biology.	NNMCB & Tezpur University
M.V.S. Kumar	One day workshop programme on IBM SPSS statistics 22, on 17th June 2014, Department of MBBT, Tezpur University	IBM, Bangalore
A.K. Mukherjee	Molecular Biological and Analytical Techniques in Petroleum Biotechnology, ONGC-CPBT from 1-5 December, 2014.	ONGC-CPBT

31. Code of ethics for research followed by the departments

1. Tezpur University Animal Ethical Committee (TUAEC) formulated as per CPCSEA guidelines. Approval for experimentation involving small animals.
2. Tezpur University Ethical Committee (TUEC) as per ICMR guidelines. Approval for research involving human participants.
3. Institutional Biosafety Committee, as per DBT guidelines for research involving recombinant DNA
4. No plagiarism

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
M. Sc. in MBBT	506	16	14	100	100
Integrated M.Sc. in BBI	1118	6	14	Continuing	Continuing
Ph.D. in MBBT	138	5	7	Continuing	Continuing
2013-14					
M. Sc. in MBBT	399	12	18	100	100
Integrated M.Sc. in BBI	926	7	9	Continuing	Continuing
Ph.D. in MBBT	163	12	9	Continuing	Continuing
2012-13					
M. Sc. in MBBT	356	17	12	100	100
Integrated M.Sc. in BBI	443	3	11	Continuing	Continuing
Ph.D. in MBBT	185	5	2	Continuing	Continuing

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2011-12					
M. Sc. in MBBT	431	16	11	100	100
Integrated M.Sc. in BBI	441	2	9	Continuing	Continuing
Ph.D. in MBBT	184	8	1	Continuing	Continuing

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG (2012 Batch)	Nil	100%	Nil	Nil
UG (2013 Batch)	Nil	100%	Nil	Nil
UG (2014 Batch)	Nil	100%	Nil	Nil
PG (2012 Batch)	Nil	40%	60%	Nil
PG (2013 Batch)	3.5%	39.5%	57%	Nil
PG (2014 Batch)	Nil	37%	63%	Nil
PhD (2012 Batch)	66	17	17	Nil
PhD (2013 Batch)	58	24	18	Nil
PhD (2014 Batch)	33	39	28	Nil

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	2014-15	2013-14	2012-13	2011-12	2010-11
NET	02	06	03	02	10
GATE	09	19	19	09	15
Civil Services	-	-	-	-	-
Defence services	-	-	-	-	-
Others (Specify) DBT/ICMR JRF/SLET	SLET 07	06	06	03	05

35. Student progression

Student progression	Percentage against enrolled
UG to PG	6.6
PG to M.Phil.	0
PG to Ph. D.	≈ 70
Ph. D. to Post-Doctoral	≈ 30
Employed • Campus selection • Other than campus recruitment	
Entrepreneurs	-

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	11.11%
from other universities within the State	22.22%
from universities from other States	66.66%
from universities outside the country	0.0

37. Number of faculty who were awarded M. Phil., Ph. D., D. Sc. and D. Litt. during the assessment period

Degree	Number
Ph. D.	02
M. Phil	Nil
D. Sc.	Nil
D. Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	Yes	1/(400 books)
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	05/35
d) Total number of class rooms with ICT	Yes	04/35
e) Students' laboratories	Yes	07/40
f) Research laboratories	Yes	19

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
25	34
Post-Doctoral	
01	02
Research Associate	
Nil	Nil

40. Number of post graduate students getting financial assistance from the university: Nil**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

None

42. Does the department obtain feedback from

(a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	Yes. Faculty inputs are discussed and syllabi are modified every three years.
(b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Yes, After every semester students are asked to give feed back in the university format for every subject/teacher. The feed backs are then discussed in the departmental faculty meeting for taking necessary measures/ modifications
(c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	Yes, we try to incorporate suggestions made to improve curriculum and other suggested academics related matters.

43. List of selected alumni of the department

Sl. No.	Name	Programme	Batch
1	Dr. Paramananda Saikia, Assistant Professor, Dept of Biotechnology, Hyderabad University	M.Sc in MBBT	1997-1999
2	Dr. Nayanjoyoti Sarmah, Senior Scientist,	M.Sc in MBBT	1997-1999

	Washington University School of Medicine		
3	Dr. Ivey Bois Associated Professor, St. Anthonys College, Shillong	M.Sc in MBBT	1997-1999
4	Dr. Antu Kanti Dey, Project Leader, Novartis Vaccines and Diagnostics, USA	M.Sc in MBBT	1999-2001
5	Dr. Susmita Borthakur, Dept of Physiology & Biophysics, Case Western Reserve, USA	M.Sc in MBBT	1999-2001
6	Dr. Ranjan Tamuli, Assistant Professor, IIT-G	M.Sc in MBBT	2000-2002
7	Dr. Eeshan Kalita, Assistant Professor, Tezpur University, Tezpur	M.Sc in MBBT	2001-2003
8	Dr. Ajeet Pratap Singh, Post Doc, Max Plank Institute for Development Biology	M.Sc in MBBT	2002-2004
9	Dr. Aman Kumar, Scientist- C, BARC, Mumbai	M.Sc in MBBT	2003-2005
10	Dr. Robin Doley, Associate Professor, Tezpur University, Tezpur	PhD in MBBT	2000-2004

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

The following faculty member visited the department and delivered lectures for students on different subjects

Programme	Date	Name of the Expert
Special Lecture	11/05/2011	Prof. Niranjana Chakraborty, NIPGR, New Delhi
Special Lecture	14/10/2011	Prof. Gopal Pande, Scientist, CCMB, Hyderabad
Special Lecture	05/05/2012	Dr. Purnima Sharma, BCIL, New Delhi
Special Lecture	25/07/2012	Dr. Sanjeev Bhakta, Birbeck University, UK
Special Lecture	09/03/2012	Prof. R. Manjunatha Kini, Professor, National University of Singapore, Singapore
Seminar	02/08/2013	Prof. T.C. Ghosh, Bose Institute, Kolkata
Special Lecture	13/12/2013	Prof. D. N. Rao, AIIMS, New Delhi
Seminar	28/01/2014	Prof. Samir Bhattacharyya, Emeritus Professor, Vishwabharati, Santiniketan
Seminar	27/11/2014	Prof. Indira Ghosh, JNU, New Delhi
Seminar	27/11/2014	Prof. V. Nagaraja, IISc, Bangalore
Guest lecture	21/04/2014	Prof. Manas K. Santra, NCCS, Pune
Seminar	29/12/2014	Dr. Hemanta Adhikary, Laval University Oncology Axis, CHU Research Centre, Quebec, Canada
Guest lecture	03/06/2014	Dr. Subrat Sarma, NIH, MRC-Wellcome and DBT Fellow, USA
Workshop on confocal microscopy	11/11/2014	Madhukar Chaudhuri, national Manager, Product and Application, Leica Microsystem
Seminar	30/07/2014	Prof. T.C. Ghosh, Bose Institute, Kolkata
Workshop on "Recent advances in Mathematical and Computational biology"	18/10/2014	Prof. A. Lahiri, Calcutta University, Kolkata
	18/10/2014	Dr. Indranil Mukhopadhyay, ISI Kolkata
	18/10/2014	Dr. Siddhartha P Chakrabarty, IIT Guwahati
	18/10/2014	Dr. Ashish Anand, IIT Guwahati
	18/10/2014	Dr. Sumana Dutta, IIT Guwahati
	18/10/2014	Prof. R. Swaminathan, IITG, Guwahati
	19/10/2014	Dr. Shree P. Pandey, IISER Kolkata
	19/10/2014	Dr. Ganesh Bagler, IIT Jodhpur
	19/10/2014	Dr. Ritwik K Layek, IIT Kharagpur
	19/10/2014	Dr. Saroj Kant Mohapatra, NIBMG Kalyani

Programme	Date	Name of the Expert
	19/10/2014	Dr. Ansuman Lahiri, Calcutta university
Guest lecture	05/02/2015	Prof. J. Gowrishankar, Director, CDFD, Hyderabad
An interactive meeting on “Molecular Intricacies of Plant Pathogenic Microorganisms”	21/02/2015	Prof. R. V. Sonti, CCMB, Hyderabad
	21/02/2015	Prof. S. Genin, LIPM, Castanet-Tolosan, France
	21/02/2015	Prof. R. Ramanan, CCMB, Hyderabad
	21/02/2015	Prof. Ashis K. Nandi, JNU, New Delhi
	21/02/2015	Dr. Praveen Verma, NIPGR, New Delhi
	21/02/2015	Dr. Jagreet Kaur, Delhi University, New Delhi
	21/02/2015	Dr. Shree Pandey, IISER, kolkata
	21/02/2015	Dr. Subhadeep Chattrejee, CDFD, Hyderabad
	22/02/2015	Dr. Gopajee Jha, NIPGR, New delhi
Guest lecture	13/03/2015	Prof. V.C. Kalia, IGIB, New Delhi
Seminar	16/02/2015	Dr. Dipayan Rudra, Institute of Basic Sciences, South Korea
Seminar	22/04/2015	Dr. Pankaj Barah, Norwegian University of Science and Technology, Norway

Workshops and Seminar where PG and PhD students were the participants

Sl. No.	Name of Faculty	Seminar/Conferences/workshops organized	(National /International)
1	S. Baruah	National Science Day, 2012 was organized on 28 February, 2012, Theme: Clean Energy Options & Nuclear Safety	National
2	S. Baruah	Two days continuous medical education (CME) on Immunology. 28 & 29 October 2011	National
3	S. K. Ray	National Workshop on “Protein 3-D structure modeling”, 23-26 Nov, 2011	National
4	S. K. Ray	National Workshop on “Chemical informatics (applications in drug design)” organized on March 21-24, 2012	National
5	R. Doley	"Workshop on tools of proteomics" 21-22 June 2012	National
6	S.. Baruah & R. Mukhopadhyay	National “Workshop on Basic Genetic Engineering Techniques for Gene Cloning” 17- 22 December, 2012	National
7	A. K. Mukherjee & S. K Ray	National Seminar cum Workshop on “Recent Advances in Microbial Biotechnology and Molecular Evolution”	National
8	S. K Ray & A.N Jha	Web Servers’ Application in Bioinformatics	National
9	T. Medhi	National Seminar on “Recent Advances in Applied Microbiology and Bioprocess Engineering” with Spl. Reference to Petroleum Biotechnology 23-24 August 2012	National
10	A.N. Jha	QSAR/QSPR- Applications in drug designing during 14-16 February 2015	National
11	A.N. Jha	Exploring biological databases during 08-09 March 2015.	National
12	M.V.S. Kumar	Lecture series on Recent Advance on	NNMCB &

Sl. No.	Name of Faculty	Seminar/Conferences/workshops organized	(National /International)
		Mathematical Biology.	Tezpur University
13	M.V.S. Kumar	One day workshop programme on IBM SPSS statistics 22, on 17 June 2014, Department of MBBT, Tezpur University	IBM, Bangalore
14	R. Doley and R. Mukhopadhyaya	National Seminar on Recent advances in Biotechnology Research in North East India: Challenges and Prospects, 27-29 Nov, 2014	National
15	S.K. Ray and E. Kalita	2-day interactive meet “Molecular Intricacies of Plant Pathogenic Microorganisms”	National

45. List the teaching methods adopted by the faculty for different programmes.

- Group learning.
- Case study method.
- Field survey.
- Industrial visit and assignments.
- E-learning.
- Library assignments.
- Seminar.
- Tutorials.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The Department, in the line of University guidelines, conducts continuous assessment to constantly monitor learning outcomes and to ensure the fulfillment of programme objectives.

47. Highlight the participation of students and faculty in extension activities.

Faculty members of the Department actively participate in community service. For example,

- Conducting malaria diagnostic tests in various villages of Darrang, Nagaon and Baksa districts of Assam using Rapid Diagnostic test (RDTs) for population staying in remote areas where proper access to health care is inadequate. Training of local manpower for malaria diagnosis and facilitated training as field drug dispensers
- Popularization of science among the school children by organizing scientific exhibitions, laboratory visit etc.
- Conducting summer and winter programme for graduate and postgraduate students from other Universities and colleges to impart them hands-on-training on sophisticated instruments.
- Microbial assessment of milk and other fermented foods of rural population.
- Faculty and research scholar visit the schools and help the school children in science education.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Organization of invited talks/ lectures, seminar, conference and workshops where in-house students are encouraged to participate.
- Besides, the Department runs Summer and Winter Internship programs for under

and post graduate students

3. Coaching classes for preparation for entrance examinations.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

The Programme is accredited by Biospectrum India

Year	All India Rank
2010	8 th
2011	9 th
2012	9 th
2013	5 th

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- a. Department has developed technology for fast bioremediation of crude oil contaminated soil and this technology has been successfully transferred to ONGC, Ltd.
- b. Department has isolated and characterized different industrially important microbial enzymes.
- c. Molecular and genetic characterization of plant pathogenic *Ralstonia solanacearum* causing bacterial wilt in tomato, brinjal, chili in local region has been characterized.
- d. Diversity of MSP1 and MSP2 genes of *Plasmodium falciparum* from two districts of Assam was studied and different ethnic groups were seen to differ in antibody response to variants of MSP1.
- e. Polymorphism of innate immune receptors, KIR and TLR of the local ethnic populations.
- f. Characterization of snake venom proteins
- g. Isolation and identification of compounds from traditionally used medicinal plants by the local communities.
- h. Isolation and characterization of anticoagulant proteins from snake venom and bacteria and their therapeutic applications in the treatment of thrombosis related cardiovascular disorders.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

1. Well trained faculty members from diverse field of Biotechnology
2. Faculty Strength
3. Research and teaching infrastructure
4. Ability to attract good quality students from all over India
5. DBT support to teaching and research program of the department

Weaknesses

1. Poor Connectivity through Rail and Air
2. Service engineer's response to instrument break down takes time
3. Sophisticated instruments for proteomics study not available
4. NET qualified candidates do not appear for PhD interviews
5. Animal house

Opportunities

1. Biodiversity
2. Diverse ethnic populations
3. Support of Government Funding Agencies
4. Traditional Knowledge particularly in medicinal plants

5. Availability of natural resources

Challenges

1. Biodiversity exploration of the region for benefit of man kind
2. Molecular understanding of the diseases relevant to the region
3. Enhance the infrastructure facility for advanced research
4. Transfer of technology from lab to industry / field.
5. Placement of all students.

52. Future plans of the department.**New Programmes**

- 1 M. Sc in Applied Microbiology
This region is rich in microbes in the natural habitat as well as in other areas, through this course will be helpful to explored for benefit of man kind
- 2 M. Sc in Immunology
This region has diverse ethnic population due to which disease occurrence is non uniform. Having a course on Immunology provide opportunity to explore and understand.

New research Initiatives

- 1 Bioinformatics
This is an emerging field of interdisciplinary science to carryout high throughput biological data analysis to understand complex biological process.
- 2 Nanobiotechnology
This is another emerging field of biotechnology involving chemistry and physics which has wide applications in drug delivery and disease diagnosis.

School of Sciences

1. **Name of the Department :** Physics
2. **Year of establishment:** 1998
3. **Is the Department part of a School/Faculty of the university?** Yes, School of Sciences
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**

S. No.	Name of Programme	Duration	Intake
1	M.Sc. in Physics	2 years	20
2.	M.Sc. in Nanoscience and Technology	2 years	20
2	Integrated M.Sc. in Physics	5 years	20
3	Integrated B.Sc. B. Ed. (Physics Major)	3 years	10
4	Ph.D. in Physics	--	variable

5. **Interdisciplinary programmes and departments involved**

Programme	Departments involved
Integrated M.Sc. in Physics	Physics, Chemical Sciences, MBBT, English, Sociology, Computer Science and Engineering
Integrated B.Sc. B. Ed. in Physics	Physics, Chemical Sciences, MBBT, English, Sociology, Computer Science and Engineering, Education
M.Sc. in Nanoscience and Technology	Physics, Chemical Science and MBBT

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

Programme	Collaborating institutes
Ph.D. in Physics	IUCAA

7. **Details of programmes discontinued, if any, with reasons:** None

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
Semester with Choice Based Credit System (CBCS)

9. **Participation of the department in the courses offered by other departments**

Physics -I	School of Engineering
Physics -II	School of Engineering

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled	Actual (incl CAS & MPS)
Professor	4	5	4+1*
Associate Professor	8	6	6
Assistant Professor	7	7	7
Others	--	--	2 (1 DST Inspire Faculty & 1 contractual faculty)

*CAS

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialiation	No. of Years of Experience	No. of Ph.D students guided last 4 years
A. Choudhury	Ph.D.	Professor	Condensed MatterPhysics /Laser Physics /Quantum Electronics/ Nanoscience & Technology	38	6
A. Kumar	Ph.D.	Professor	Condensed Matter Physics/ Solid State Ionics	21	5
J. K. Sarma	Ph.D.	Professor	Theoretical High Energy Physics/ Particle Physics	>21	5
N.S. Bhattacharyya	Ph.D.	Professor	Microwaves/Electronics	21	5
N. Das	Ph.D.	Professor	Plasma Physics	16	1
G. A. Ahmed	Ph.D.	Associate Prof.	Laser Physics/Optoelectronics	16	3
D. Mohanta	Ph.D.	Associate Prof.	Condensed Matter Physics/ Nanomaterials	16	4
Ng. K. Francis	Ph.D.	Assistant Prof.	Neutrino Physics	11	nil
P. Deb	Ph.D.	Associate Prof.	Nanoscience & Technology/ Physics of Materials	11	1
P.K. Karmakar	Ph.D	Associate Prof.	Plasma Physics	9	nil
M.K. Das	Ph.D.	Associate Prof.	Theoretical High Energy Physics/ Neutrino Physics	11	nil
R. Biswas	Ph.D.	Assistant Prof.	Electronics/ Condensed MatterPhysics	>4	nil
P. Nath	Ph.D.	Associate Prof.	Electronics & Photonics	14	nil
A. Pathak	Ph.D.	Assistant Prof.	Astrophysics	>8	nil
R. Gogoi	Ph.D.	Assistant Prof.	High Energy Physics	>6	nil
D. Borah*	Ph.D.	Assistant Prof.	High Energy Physics	3	nil
S. K. Das	Ph.D.	Assistant	Material Science	4	nil

Name	Qualification	Designation	Specialiation	No. of Years of Experience	No. of Ph.D students guided last 4 years
		Prof.			
Arup J. Choudhury	Ph.D.	Assistant Prof. (DST-Inspire)	Electronics & Photonics	1	nil
R. Sarmah	Ph.D.	Assistant Prof. (Contractual)	Condensed MatterPhysics	1	nil

*Moved to IIT, Guwahati in Nov/2015

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Senior Visiting Fellow/Faculty	1. Prof. B.G. Anand Rao, PRL Ahemdabad (9/10/2011 to 9/11/2011) 2. Prof. U.C. Joshi, PRL Ahemdabad (3/03/2013 to 24/03/2013) 3. Prof. Jayanta Murthy, IIA, Bangalore (23/03/2011 to 25/03/2011) 4. Prof. Pushpa Khare, IUCAA, Pune (22/09/2013 to 04/10/2013) 5. Dr. P. Shalima, IIA, Bangalore (01/11/2014 to 15/11/2014) 6. Prof. Armando A. Ferro, Mexico (20/02/2015 to 26/02/2015)
Adjunct Faculty	nil
Chair Professor	Prof. Rajpal S. Sirohi, Bharat Ratna LGB Chair Professor

13. Percentage of classes taken by temporary faculty – programme-wise information

M.Sc Physics-Astrophysics specialization	10
Integrated M.Sc	20
M.Sc. Physics	15

14. Programme-wise Student Teacher Ratio

Programme	Ratio
M.Sc. in Physics	6.15:1
M.Sc. in Nanoscience and Technology	4.00:1
Integrated M.Sc. in Physics	3.75:1
Integrated B.Sc. B. Ed. in Physics	3.75:1
Ph.D. in Physics	3.9:1
All departmental programmes (excluding Ph.D.)	12.16:1
All departmental programmes (Including Ph.D.)	14.26:1
All Programmes (including B.Tech)	30.26:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
UDC	01	01	01
MTS	01	01	01
Technical Officer	01	01	01
Other Technical Staff	06	06	06

16. Research thrust areas as recognized by major funding agencies

Research area	Funding Agency
Condensed Matter Physics	UGC-SAP
Condensed Matter Physics	DST-FIST
Nanoscience and Technology	UGC special grant

17. Number of faculty with ongoing projects from

- a) National agencies : 8
 b) International funding agencies : Nil
 c) Total grants received : ₹ 585.816 lakhs

Names of the funding agencies, project title and grants received project-wise.

(List of projects submitted in the enclosed format, Vol-II B)

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S.N.	Project	Year	Level	Sanctioned amount (in ₹)
1	Innovative Programme-Teaching & Research in Interdisciplinary and emerging areas by UGC	2005-10		30.75 lakhs
2	DST-FIST	2005-10	I	29.00 lakhs
3	Fund for infrastructure development of department received as UGC's Special Grant	2008-09		10.00 lakhs
4	ISRO's Space Science Promotion Scheme	2010-11		2.85 lakhs (recurring)
5	UGC-SAP	2010-14	I	70.55 lakhs

20. Research facility / centre with state/national/international recognition: Nil**21. Special research laboratories sponsored by / created by industry/ corporate bodies**

Nil

22. Publications

	Year			
	2014-15	2013-14	2012-13	2011-12
*Number of Papers published in peer reviewed journals				
<i>National journals</i>	4	2	1	2
<i>International journals</i>	79	109	54	63
<i>Regional</i>				
Conference Proceedings	5	5	5	5
Books (with ISBN) & Monographs	1			
Chapters in Books	1			
Edited Books	1	1		
Important Translated work				
Number listed in International Database (e.g. Web of Science, Scopus, Humanities)	dna			

International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
Citation Index – range / average	2.5
SNIP	-
SJR	-
Impact Factor – range / average	3-4/
h-index- range/average	-

23. Details of patents and income generated

Faculty	Details
Gazi A Ahmed	Patented copyright: Software-WEBONICS (Web based software for SPR simulation) – January 2015. Income-Nil

24. Areas of consultancy and income generate: Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Name	In what capacity/Place of visit	Duration
Amarjyoti Choudhury and G. A. Ahmed	Visited University Of Southampton as a collaborative partner in the UGC-UKIERI project.	10 Aug-20 Sept 2014
Amit Pathak	DST-JSPS International Scientific Collaborative project with University of Tokyo, Japan.	June 2014-May 2016
D. Mohanta	Indo-US Research Fellowship Awards: 2012 to to doing one year research at Harvard University by Indo-US Science & Technology Forum(IUSSTF).	Oct 2012-Oct 2013
P. Deb	Received Max Planck India Fellowship from Max Planck Society, Germany and DST, New Delhi to visit Max Plank Institute for Eisenforschung, Dusseldorf, Germany.	1 July-31Aug 2012.

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name	National committees	International Committees	Editorial Boards	Others
J. K. Sarma	--	---	International Journal of Applied Mathematics & Engineering Sciences.	
R. S. Sirohi	---	---	Indian Journal of Pure & Applied Physics	

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs)

<ul style="list-style-type: none"> UGC sponsored Refresher programs Orientation programs
--

- SERC schools
- Training Interaction program of IUCAA

Details:

Sl. No.	Name of the Faculty	Name of the Event	Date & Duration
1.	J. K. Sarma	SERC Preparatory School on Theoretical High Energy Physics-2013, at Dept of Physics, TU	17 June-July 13, 2013
2.	Ng. K. Francis	XVII Vietnam School of Physics, Hue University of Education Hue City, Vietnam.	18-24 July, 2011
3.	Ng. K. Francis	1 ST IAS-CERN School on Particle Physics and Cosmology and Implications for Technology, Inst. of Advanced Studies, Nanyang Technology University, Singapore.	9-31 January, 2012
4.	Ng. K. Francis	Science Academies' Refresher Course in Theoretical Physics, Dept of Physics, Assam University,	02-15 Dec., 2013
5.	Ng. K. Francis	Science Academies' Refresher Course in Theoretical Physics, Dept of Physics, Tezpur University,	06-20 January, 2015
6.	R. Biswas	31 st Orientation Course, University of Rajasthan.	31 December 2012 to 29 January, 2013.
7.	M.K. Das	SERC Preparatory School on Theoretical High Energy Physics 2013, Dept of Physics, TU	17 June-13 July, 2013
8.	M.K. Das	16th Orientation Programme; w.e.f. NEHU Shillong.	4 - 31 July, 2011
9.	D. Borah *	SERC Preparatory School on Theoretical High Energy Physics-2013, Dept of Physics, TU	17 June- July13, 2013
10.	R. Gogoi	Orientation Programme, ASC, Jawaharlal Nehru University.	6 Apr-1 May 1, 2015

* Moved to IIT, Guwahati in Nov/2015

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
M.Sc. in Physics	100
M.Sc in Nanoscience and Technology	100
Integrated M.Sc. in Physics	100

- percentage of students doing projects in collaboration with other universities / industry / institute

None

29. Awards / recognitions received at the national and international level by

- **Faculty**

Name	Award/recognition
Debasish Borah *	“Award for Excellence in Thesis Work” for the year 2011-2013 for the outstanding research contribution by IIT Bombay.
P. Deb.	UGC Research Awards for the year 2014-2016 to for a period of two years without undertaking any research guidance.
Rajpal S. Sirohi LGB Chair Prof.	Vikram Award by International Society for Optical Engineering (SPIE) USA on Feb. 10, 2014. Award will be given during its Annual Conference in August 2014 at San Diego USA.

*Moved to IIT, Guwahati in Nov/2015

- **Doctoral / post doctoral fellows:** Nil
- **Students :** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

Sl. No.	Name of the event	No. of Participations	Date & Duration
1.	National Workshop on Nonlinear Dynamics (ND2011)	35 nos.	April 26-28, 2011
2.	One day meet amongst the stakeholders on “Possibilities of Electronics R&D and applications in the North-East”	50 nos.	July 29, 2011
3.	Workshop on Astrophysical Observation and Data Analysis	30 nos.	June 5 - 7, 2012
4.	National Conference on Theoretical Physics (NCTP-2013)	30 nos.	Feb 8-12, 2013
5.	SERC School on High Energy Physics,	40 nos.	March 1, 2013 to March 21, 2013 (21 days)
6.	Workshop on Infrared Astronomy and Data Analysis	38 nos.	March 19-21, 2013
7.	Workshop on Solar Astronomy	40 nos.	December 17-19, 2013
8.	Workshop on Non-linear Dynamics and Application(NDA-2014), ISI sponsord	40 nos.	March 14-15, 2014
9.	Workshop on RF & Microwave Technology, 2014, SAMEER sponsord	55 nos.	March 24-26, 2014
10.	Departmental Symposium held on,		February 7-8, 2014
11.	Workshop on Computational Aspects of Research in Physics, SAP sponsord	88 nos.	October 31-Nov. 1, 2014
12.	International Conference on Interstellar Dust, Molecules and Chemistry (IDMC-2014)	100 nos.	December, 15-18, 2014
13.	Refresher Course in Theoretical Physics	40 nos.	January, 06-20, 2015
14.	International Workshop on Hybrid photonics 2015	35 nos.	February, 24-26 2015

31. Code of ethics for research followed by the departments

1. Rigorous course works.
2. Weekly/Fortnightly monitoring of progress by respective supervisors

3. Semester wise progress evaluation by atleast three member doctoral committee
4. No plagiarism

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-2015					
M.Sc. in Physics	567	11	09	-	-
M.Sc in NanoSc & Tech.	72	11	10	-	-
Integrated M.Sc. in Physics	924	13	02	-	-
Integrated B.Sc. B.Ed.	229	02	02	-	-
2013-2014					
M.Sc. in Physics	475	28	09	100	100
M.Sc in NanoSc & Tech.	68	12	05	100	100
Integrated M.Sc. in Physics	788	09	06	-	-
Integrated B.Sc. B.Ed.		03	04	-	-
2012-2013					
M.Sc. in Physics	294	22	11	100	100
M.Sc in NanoSc & Tech.	57	11	07	100	100
Integrated M.Sc. in Physics	247	12	3	--	--
Integrated B.Sc. B.Ed.		3	2	--	--
2011-2012					
M.Sc. in Physics	286	23	15	100	100
M.Sc in NanoSc & Tech.	67	12	02	100	100
Integrated M.Sc. in Physics		06	05	--	--
Integrated B.Sc. B.Ed.		02	01	--	--

33. Diversity of students

Name of the Programme (refer to q. no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. in Physics	--	95.8	4.2	--
M.Sc in NanoSc & Technology	--	95%	5%	
Integ. M.Sc. in Physics		100%		--
Integrated B.Sc. B.Ed.		100%		--
Ph.D. Physics	50	25	25	

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

No of students qualified					
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	-	1	2	2	1
NET LS	-	-	1	1	-
GATE	1	2	1	1	1
Civil Services	-	-	-	-	-
SLET	12	5	6	2	1

35. Student progression

Student progression	Percentage against enrolled
UG to PG	100
PG to M.Phil.	N/A
PG to Ph.D.	25
Ph.D. to Post-Doctoral	12.5
Employed	20
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	10 %
from other universities within the State	40 %
from universities from other States	50 %
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph.D.	2
M. Phil	-
D.Sc.	-
D. Litt.	-

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	Yes	1/(no. of books 50)
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	10
d) Total number of class rooms with ICT	Yes	1
e) Students' laboratories	Yes	10 2 lab of 40 capacity 4 labs of 20 capacity

		4 labs of 10 capacity
f) Research laboratories	Yes	13 5 labs of 6 capacity 7 labs of 3 to 4 capacity

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
23	nil
Post-Doctoral	
nil	nil
Research Associates	
nil	nil

40. Number of post graduate students getting financial assistance from the university.

Programme	Number
M.Sc. in Physics	-
M.Sc. in Nanoscience and Technology	-
Integrated M.Sc. in Physics	-
Integrated B.Sc. B. Ed. (Physics Major)	-
Ph.D. in Physics	21*

* In the form of Institutional Fellowship.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology

No

42. Does the department obtain feedback from

(a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	The feedback is taken for each subject from faculty involved in teaching the course. The feedback is then distributed among the concerned faculty for self evaluation of curriculum and teaching tactics. Where ever necessary, the faculty discusses the matter with the Head/Dean of the school and takes effective measures.
(b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Feedback of students is taken at the end of each semester. The points raised regarding the curriculum by the students are summarized and discussed in DAC, where ever possible necessary modifications in curriculum and syllabus is implemented from the commencing semester or the following one. Expert comments are taken where ever deemed necessary.
(c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	Although the network for this feedback is under development, this will be implemented for special papers offered by the department where the curriculum could be tailor made as per the requirement of future employers, increasing the job prospects.

43. List of selected alumni of the department

Sl. No.	Name	Programme and batch	Current position/ achievement (if any)
1	Dr. Pabitra Kr. Nath	1998-2000	Associate Professor, Dept. of Physics, Tezpur University
2	Dr. Kishore Dutta	1999-2001	Assistant Professor, IIT Guwahati,
3	Dr. Begum Umme Jamil	1999-2001	Assistant Professor, Debraj Roy College, Golaghat, Assam
4	Dr. Golap Kalita	2001-2003	Assistant Professor, Nagoya Institute of Technology, Nagoya-shi, Aichiken, Japan
5	Dr. Ankur Gogoi	2004-2006	Assistant Professor, Jaganath Boruah College, Jorhat, Assam
6	Dr. Somik Banerjee	2005-2007	Assistant Professor, B. Boruah College, Guwahati, Assam
7	Dr. Susmita Paul	2008-2010	Assistant Professor, Mangaldoi College, Mangaldoi, Assam

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Distinguished Visitor in the Department of Physics

Sl. No	Name	Address	Date of visit
1.	Prof. Jayant Murthy	Professor, Indian Institute of Astrophysics (IIA), Bangalore	March 23-24, 2011
2.	Prof. Udayan De	Scientist(H) (Retd.), Variable Energy Cyclotron Centre, Kolkata and Professor, Homi Bhabha National Institute.	August 29, 2011
3.	Prof. Debnarayan Jana	Calcutta University	September 06, 2011
4.	Prof. B.N.Dev	IACS, Kolkata	October 17, 2011
5.	Prof. P.K. Bajpai	Gurughasidas University, Bilaspur	October 18, 2011
6.	Prof. Poddar	Emeritus Professor, Jadavpur University	November 18, 2011
7.	Dr. Rajesh Nayak	Dept. of Physical Sciences, IISER, Kolkata	January 25, 2012
8.	Prof. Ganguly, and Prof.(Mrs) U. Ganguly	Consultant IPR Chair	February 27, 2012
9.	Dr. Gunadhar S. Okram,	Scientist, UGC-DAE CSR Indore	May 3, 2012
10.	Prof. I.M. Govil	UGC Emeritus Fellow	Oct 8-10, 2012
11.	Dr. Kartik Patel	Laser & Plasma Tech. Division, BARC, Mumbai	Oct 8-12, 2012
12.	Dr. D. S. Raju	Scientist-F, Central Electronics Engineering Research Institute (CEERI), Pillani	Nov 16, 2012
13.	Prof. K.D. Krori	Ex-principal of Cotton College, Guwahati	Jan 21, 2013
14.	Prof. Purushattam Chakraborty	senior Professor and Head, surface physics division, Saha Institute of Nuclear Physics, Kolkata	Feb 11, 2013
15.	Prof. U.C. Joshi,	Physical Research Laboratory (PRL), Ahmadabad	March 14, 2013
16.	Prof. B.N. Dev,	Material Science Department,	March 22, 2013

		IACS, Kolkata	
17.	Dr. Junaaid M Laskar,	Max Planck Institute for Dynamics & Self Organization, Göttingen, Germany	March 25, 2013
18.	Dr. Pranjal Kr. Gogoi,	Post-Doc. Fellow of Singapore National University, Singapore	April 19, 2013
19.	Dr. Biswajit Paul	Raman Research Institute, Bangalore	April 29, 2013
20.	Professor J. V. Narlikar, Padmavibhushan	former Director of IUCAA, Pune	September 2, 2013
21.	Dr. Abhijit Saha,	Scientist F, UGC-DAE Consortium, Kolkata	October 22, 2013
22.	Prof. D. D. Sarma, FASc, FNASc, FNA,	Indian Institute of Science, Bangalore	November 20, 2013
23.	Prof. Debatosh Guha	Institute of Radio Physics & Electronics, University of Calcutta	January 27, 2014
24.	Prof. P.K.Bajpai,	Gurughasidas University, Bilaspur	March 12, 2014
25.	Prof. K. T. Mathew,	Kochi University, Kerala	Feb. 9, 2014
26.	Prof. D. Kanjilal,	Director, Inter University Accelerator Centre, New Delhi	May 5, 2015
27.	Prof. J R Kayal,	Jadavpur University, Kolkata	May 6, 2015

45. List the teaching methods adopted by the faculty for different programmes.

1. Conventional chalk and board
2. Projection through PPT presentations (for post-graduate level)
3. Small experiments based on the course curriculum.
4. Seminars on selected topics
5. Quizzes
6. Debates and discussions
7. Computational/Simulation techniques
8. Problem solving
9. Tutorials
10. Self –study and assignments

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

A continuous evaluation process is strictly followed both in subject and practical papers. Understanding of the subject matter is monitored through written exams and viva voce. Students are supposed to give seminars and submit assignments which are closely monitored. A mid semester interaction with students is also conducted to monitor their progress, difficulties and understandings. Additionally, mentors from faculty are assigned to each student to look into their individual performance throughout the curriculum.

47. Highlight the participation of students and faculty in extension activities.

1. Astrophysics Club which coordinates star watching, lunar and solar eclipses
2. Celebration of Science Day with participation from nearby schools and institutions.
3. Many faculty are involved in outreach programme of the University
4. In disaster management such as flood relief, faculty and students are involved.

48. Give details of “beyond syllabus scholarly activities” of the department.

1. Thursday Physics activity is an important activity where the students pursue and debate on various topics of sciences and developments in Physics.
2. Physics society is another endeavor from the department where all students and faculty are actively involved in developing extracurricular activities for the students of the department.
3. Physics wall magazine “Chaos” is an integral part of the departmental activity where articles in various fields and research in Physics are highlighted.
4. A space is created in the department where the students are encouraged to write some problem related to subject matter and solutions can be given by any one.
5. Students are actively involved in Science day celebrations.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Not yet

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

1. The department is running successfully specializations in Condensed Matter Physics, Electronics and Photonics, High Energy Physics and Astrophysics at postgraduate level.
2. A course curriculum leading to M.Sc. in Nanoscience and Technology was developed and at present running successfully in the department.
3. A new Add-on course on Analytical Instrumentation is proposed, which will commence from next semester.
4. A paper on Analytical techniques- focusing on numerical, computational and simulation technique giving an edge to students interested in pursuing research in this field have been developed.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**Strengths**

- 1 Good curriculum
- 2 Enthusiastic Faculty
- 3 Sufficiently good Lab facility
- 4 Upgradation of syllabus keeping in par with the development
- 5 Research in forefront areas

Weaknesses

- 1 With the growing focus on experimental and applied physics as well as with procurement of sophisticated equipments, trained technical staff is required
- 2 Research carried out in our department is continuously progressing; however, it has to still reach the level of production and patent.
- 3 No permanent building for the department.
- 4 The department does not have any computer laboratory
- 5 Inadequate teaching equipment such as projectors, interactive boards, audio equipment etc.

Opportunities

- 1 Department has obtained funding from projects like DST-FIST and UGC-SAP and Nanoscience Innovative Programme.

- 2 ISRO Fellowship is provided to students having specialization in Astrophysics and Astronomy.
- 3 All the faculties have their own individual projects funded by various govt. agencies.
- 4 Department already procured one 30 cm Telescope.
- 5 Sophisticated instruments like SEM, TEM, XRD etc. are accessible to in house students at a subsidized rate.

Challenges

- 1 The input of students in department of Physics is mostly from colleges in close vicinity which is not upto the mark.
- 2 Research has still to enter the industrial arena
- 3 Developing a scientific attitude and approach among the students is a tough job.
- 4 Developing state-of –art laboratories.
- 5 Placement of students in public sector.

52. Future plans of the department.**New Programmes**

- M.Sc. in applied Electromagnetism
- M.Tech in Nanoscience and Technology

New research Initiatives

- To explore use of Nano and Bio materials to develop as sensors, electrochemical devices and electromagnetic reception and shielding.
- Theoretical Studies in dark matter.

Others

Further consolidate the existing programs



SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

School of Humanities and Social Sciences

1. Name of the Department: Cultural Studies

2. Year of establishment: 1996

3. Is the Department part of a School/Faculty of the university?

Yes, School of Humanities and Social Sciences

4. Names of programmes offered

Sl. No.	Name of Programme	Duration	Intake
1.	M. A. in Cultural Studies	2 yrs	46
2.	Ph.D. in Cultural Studies	3-6 yrs	variable

5. Interdisciplinary programmes and departments involved: Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

7. Details of programmes discontinued, if any, with reasons: Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Course/Programme	Offered under department/school
Integrated BA/B.Ed/ MA (major in English)	Department of EFL/ School of Humanities and Social Sciences

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	2	2	3 (2+1*)
Associate Professor	2	1	1
Assistant Professor	6	6	6
Others	-	-	-

*CAS

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D students guided last 4 years
Sunil Kumar Dutta	Ph. D.	Professor	Folklore Studies, Assamese Language and Culture	31	3
Pradip Jyoti Mahanta	PhD	Professor	Assamese Literature, Performing Arts,	31	2

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D students guided last 4 years
			Cultural History		
Debarshi Prasad Nath	Ph. D.	Professor	Gender Studies, Comparative Literature	16	2
Madhurima Goswami	Ph. D.	Assistant Professor	Performing arts, Sanskrit Poetics	19	nil
Parasmoni Dutta	Ph. D.	Assistant Professor	Heritage Studies, New Museology	6	1
Juri Gogoi Konwar	Ph. D.	Assistant Professor	Adv Social and Cultural Anthropology	5	nil
Mandakini Baruah	Ph. D.	Assistant Professor	Gender Studies, Folklore	4	nil
Hashik N.K.	Ph. D.	Assistant Professor	Performance Studies, Community Studies	2	nil
Jayanta Vishnu Das	Ph.D	Assistant Professor	Media Studies	5	nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Senior Visiting Fellow	<ul style="list-style-type: none"> • Dr. Promod Nayar, Dept of English, Univ. of Hyd, 3-8 Nov, 2014. • Dr. Dilip Kumar Barua, formerly in the Dept. of English, Burdwan University and an eminent scholar, 6 Nov., 2014. • Prof. P.C. Pattanaik, Head, Dept of Modern Indian & literary Studies, University of Delhi, 31 Mar., 2014. • Mr. Altaf Mazid, a well-known film maker and critic, 21 Mar, 2014. • Mr. Swapnanil Baruah, Commissioner, Cultural Affairs and Northern Assam, Government of Assam, August 19 Aug, 2013. • Dr. K. C. Baral, distinguished scholar and Director, English and Foreign Languages University, Shillong campus, 28 Apr., 2013 • Prof C Mathew Snipp, Stanford University, USA, March 2013 • Prof. Mihir Ranjan Bhattacharyya, formerly Professor, Jadavpur University, Kolkata, 25- 29 Sept., 2012. • Dr. Deepak Mishra, Dept. of Economics, JNU, Delhi, 28 Jan, 2013. • Prof. Abdul Awwal Biswas, Professor and Head, Dept of Anthropology, Shah Jalal University of Science and Technology, Bangladesh, 06 Mar., 2013. • Prof. Birendranath Datta, eminent folklorist and founder Professor, Visiting Fellow under SAP-DRS-I, 20 – 29 Mar, 2012.
Adjunct Faculty	-
Emeritus Professors	-

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	%
M.A in Cultural Studies	nil
Ph.D in Cultural Studies	nil

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
M. A. in Cultural Studies (Both II & IV semester)	60	9	6.7:1
Ph. D. in Cultural Studies	22	5	4.4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
Assistant	01	01	01
MTS	01	01	01
Assistant Curator	01	01	01

16. Research thrust areas as recognized by major funding agencies

Research area	Funding Agency
The Vaishnava Music of Assam in the Performative Context	UGC-SAP-DRS(I)
Anthropology of Food	ICSSR
Philosophy in Performance	ICPR
Emerging Media & the Public Sphere	UGC

17. Number of faculty with ongoing projects from

- a) National agencies : 03
 b) International funding agencies : N/A
 c) Total grants received : ₹ 47 lakhs (41+5 +1 lakh)

Names of the funding agencies, project title and grants received project-wise.
 (List of projects submitted in the enclosed format, Vol-II B)

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S.N.	Project	Year	Level	Sanctioned amount
1	UGC-SAP-DRS(I)	2011	I	₹ 41 lakhs

20. Research facility / centre with state/national/international recognition

Facility/centre	State/National/International
Archival Centre of Cultural Forms of North East India	National

21. Special research laboratories sponsored by / created by industry or corporate bodies

An Archive has been developed with funding from Ford Foundation

22. Publications

Publication type	Year			
	2014-15	2013-14	2012-13	2011-12
*Number of Papers published in peer reviewed journals				
<i>National journals</i>	-	01	03	-
<i>International journals</i>	03	04	07	02
<i>Regional</i>	-	-	-	-
Conference Proceedings	03	01	02	02
Books (with ISBN) & Monographs	01	01	-	-
Chapters in Books	07	12	01	01
Edited Books	-	02	-	-
Important Translated work	01	-	-	-
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	-			
Citation Index – range / average	-			
SNIP	-			
SJR	-			
Impact Factor – range / average	-			
h-index- range/average	-			

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generate: Nil

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad: Nil

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards

d) Reviewer of reputed journals e) any other (please specify)

Name	National committees	International committees	Editorial Boards	Reviewer	Others
Sunil Kumar Dutta	Member Board of Studies, Rajasthan Central University, NEHU	American Folklore Society			
Pradip Jyoti Mahanta	Member, North East Consultative Committee, ICPR; Board of Studies, Dept of Assamese and Library Sciences, Gauhati University		Assam State Museum		
Juri Gogoi Konwar	Indian National Confederations of Anthropology		Member in Editorial Board of		

Name	National committees	International committees	Editorial Boards	Reviewer	Others
			Journal of Contemporary Research, (A Yearly Referred Research Journal).		
Jayanta Vishnu Das		Asian Congress for Media and Communication		Contemporary Cultural Studies	
Debarshi Prasad Nath	Board of Studies, Dept of English, RGU/ Board of Studies, Center for Distance Education, RGU	Indian Assoc. for Commonwealth Literature and Language Studies/ Forum on contemporary Thought	Arunachal University Research Journal		
Parasmoni Dutta	Museums Association of India				
Hashik N. K.	Executive Member of FOSSILS, Trivandrum				

**27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
(details of participation of faculty in such programmes)**

Name	Programme and Organiser	Period
Hashik NK	Orientation Programme, ASC, University of Calicut, Kerala	17 Sept - 16 Oct, 2014
Juri Gogoi Konwar	Orientation Programme, ASC, Gauhati University	16 Dec, 2013 -12 Jan, 2014
Mandakini Baruah	Orientation Programme, ASC, Gauhati University	16 Dec., 2013 - 12 Jan., 2014
Jayanta Vishnu Das	10 day workshop on Research Methodology in Social Sciences, Dept. of Mass Communication & Journalism, TU	24 Nov - 3 Dec, 2014
Jayanta Vishnu Das	3rd Media Studies and Governance Refresher Course, UGC- ASC, Jamia Milia Islamia, New Delhi	10 Jan 2015 - 31 Jan 2015
Parasmoni Dutta	UGC Sponsored Orientation Course, Academic Staff College, JNU	26 Sept 2011 - 21 Oct 2011
Parasmoni Dutta	Workshop on Indigenous Theatre Festival of North-East India, Indira Gandhi National Centre for the Arts, New Delhi	04 Apr 2011 - 07 Apr 2011

Parasmoni Dutta	National Workshop on Cultural Mapping in Assam: Language, Performance and Society , Dept of Cultural Studies, TU under UGC-SAP-DRS(I)	14 - 17 Feb, 2012
Parasmoni Dutta	UGC Sponsored Refresher Course in Research Methodology (Language, Literature and Cultural Studies), ASC, Gauhati University, Guwahati.	21 Jan - 10 Feb, 2013

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
M. A. in Cultural Studies	100%

- percentage of students doing projects in collaboration with other universities / industry / institute: Nil

28A. Internship for students of outside institutes

Year	No of students	Participating institutes	Sponsoring agencies
2014-15	2	<ul style="list-style-type: none"> Dept. of Culture and Media Studies, University of Rajasthan Daulat Ram College, University of Delhi 	TU

29. Awards / recognitions received at the national and international level by

- Faculty

Name	Award/recognition	Year
Debarshi Prasad Nath and Mandakini Baruah	The paper "Representation of the Mother-Figure in Folk Genres of Assamese" written jointly by Debarshi Prasad Nath and Mandakini Baruah and published in Contemporary Discourse, A Peer Reviewed International Journal edited by Sudhir Nikam and Madhavi Nikam in the year 2011 has received the Best Paper Award	2013

- Doctoral / post doctoral fellows: Nil
- Students: Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/ eminent participants, if any.

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
Pradip Jyoti Mahanta	Workshop on Cultural Mapping: Language, Performance and Society , 14-17 February, 2012	UGC	Prof. Jyotirmoy Pradhani
	National Seminar on Vaisnavite Music of Assam: Its Institutionalisation and its	UGC	Dr. Naren Kalita

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
	Performative Context , 20-21 March, 2013		
	National Seminar on Translation of Knowledge Texts in Assamese , 31 March – 1 April, 2011	National Translation Mission, CIIL, Mysore	Prof. B. K. Danta
Debarshi Prasad Nath	National Seminar on Contemporary Women's Writing in North East India: Issues of Gender and Nationalism , 7-8 April, 2011	Sahitya Akademi	Dr. Arupa Patangia Kalita Dr. (Mrs.) Aradhana Goswami
Departmental	Departmental Seminar on 'Inclusive Development' , 7-8 September, 2011	American Centre, US Consulate General, Kolkata	US Consular General
Juri Gogoi Konwar	National Workshop on Cultural Mapping: Language, Performance and Society , 14-17 February, 2012	SAP, DRS, Dept of Cultural Studies	1. Prof S N Barman, Director, CIIL, Mysore 2. D. Kharmawphalang, NEHU 3. J Pradhani, NEHU 4. Prof K Bhattacharya, Gauhati University
	National Seminar on Issues of Ethnic Identity and Ethnic Conflict in North East India , 29-30 January, 2013.	ICSSR, New Delhi	1. Prof Lalthanluanga, VC, Mizoram Univ. 2. Prof A C Bhagawati, Former VC, RGU 3. Prof U Mishra 4. Prof S Chaudhuri, RGU 5. Prof N Gogoi, Dibrugarh Univ.
	National Seminar on 'Mobility and World View of the Singpho and Khampti Tribes of Arunachal Pradesh and Assam' 27-28 March, 2014	ICPR, New Delhi	1. Prof Sujata Miri, New Delhi 2. Prof P Biswas, NEHU 3. Prof B Ointon, JNU 4. Prof A C Bhagawati, Former VC, RGU 5. Samudragupta Kashyap, Indian Express
Jayanta Vishnu Das	'Traditional Knowledge, Socio-economic Development and Intellectual Property Rights' , 10-11 February, 2014	TUIPR and Tezpur University	Prof. Prabuddha Ganguli

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
Parasmoni Dutta & Debarshi Prasad Nath (Conveners)	International Seminar on Cultural Studies: Global and Local Perspectives; 7 – 9 February, 2015.	Maulana Abul Kalama Aazad Inst. of Asian Studies, Kolkata	1. Mihir Ranjan Bhattacharjee 2. K. C. Baral 3. K. Narayana Chandran 4. Prasenjit Biswas 5. Kaberi Gayen

31. Code of ethics for research followed by the departments

The department follows the code of ethics for research as laid by the University guideline with a strict no to plagiarism. The University has its own set of PhD rules and regulations which are updated from time to time. The department has also a departmental research committee which looks into all matters related to research.

32. Student profile programme-wise

Name of the Programme (refer to Item no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
M. A. in Cultural Studies	80	4	30	100	100
Ph.D In Cultural Studies	33	-	3		
2013-14					
M. A. in Cultural Studies	94	4	26	100	100
Ph.D In Cultural Studies	29	1	2	-	-
2012-13					
M. A. in Cultural Studies	70	3	27	100	100
2011-12					
M. A. in Cultural Studies	56	5	13	100	100

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
(2014)				
M. A. in Cultural Studies	-	98	2	-
(2013)				
M. A. in Cultural Studies	-	98	-	2
Ph.D In Cultural Studies		98	2	

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
(2012)				
M. A. in Cultural Studies	-	100	-	-
Ph.D In Cultural Studies	-	96	2	2

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	No of students qualified				
	2015	2014	2013	2012	2011
NET JRF	-	1	2	4	2
NET LS	-	6	1	2	2
GATE	n/a	n/a	n/a	n/a	n/a
Civil Services	-	-	-	-	-
Engineering Services	n/a	n/a	n/a	n/a	n/a
Defence services	-	-	-	-	-

35. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	-
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	-
Employed	-
• Campus selection	
• Other than campus recruitment	20%
Entrepreneurs	30%

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	30%
from other universities within the State	60%
from universities from other States	10%
from universities outside the country	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph.D.	4
M. Phil	-
D.Sc.	-
D. Litt.	-

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	Yes	1/(3000 books)
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	2 (45 each) 2 (80 each)
d) Total number of class rooms with ICT	Yes	1 (80)
e) Students' laboratories	Yes	1 (with 6 terminals)
f) Research laboratories	No	-
g) Archive/Museum/ Studio	Yes	1

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
21	-
Post-Doctoral	
Nil	Nil
Research Associates	
NIL	Nil

40. Number of post graduate students getting financial assistance from the university

Programme	Number
M. A. in Cultural Studies	02
Ph. D. in Cultural Studies	05

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

No new programme introduced during the period

42. Does the department obtain feedback from

(a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	Yes, matters related to teaching-learning evaluation are raised at the departmental advisory committee meetings from time to time and steps taken accordingly.
(b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Yes, Students' feedback as well as regular interaction with parents and guardians in particular and society in general help the department to envisage the social and academic expectations of it and its social, cultural and academic role in general.
(c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	Alumni of the department actively participate in workshops organized by the department from time to time and faculty members remain in contact with them to elicit feedback on course and other academic endeavors.

43. List of selected alumni of the department

Sl No.	Name	Programme and batch	Current position/ achievement (if any)
1	Seebany Datta Barua	PG Diploma in	Asst Professor of Mechanical &

		Cultural Studies, 1997	Aerospace Engineering, Armour College of Engineering, Illinois Institute of Technology, 10 W 33rd St, Chicago, IL 60616, USA
2	Palash Rajkumar Ahom	MA in Cultural Studies, 2003-05	EAC, Assam Civil Service - I
3	Dr Prafulla Kumar Nath	MA in Cultural Studies, 2005-07	Assistant Professor, Assam University
4	Dr Rabindranath Sarma	MA in Cultural Studies, 1997	Assoc. Professor, Dept. of Indigenous Culture, Jharkhand University
5	Mayuri Rajkhowa	MA in Cultural Studies, 2009-11	Lecturer, K.K. Handique Open University
6	Dr. Mandakini Baruah	MA in Cultural Studies, 2003-05	Assistant Professor, Tezpur University
7	Dr Parasmoni Dutta	MA in Cultural Studies, 1996	Assistant Professor, Tezpur University
8	Ashim Jyoti Bora	MA in Cultural Studies, 1999	Deputy Ranger, Forest and Environment Dept, Govt of Assam
9	Arunima Goswami	MA in Cultural Studies, 2009-11	Assistant Professor, Assam Women's University, Jorhat
10	Parismita Hazarika	MA in Cultural Studies, 2012-14	Assistant Professor, Assam Women's University, Jorhat

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl No.	Programme details	Date/s	Name of Experts
1	The Dept organized Foundation Day Lecture of the Dept	18 January, 2011	Dr Sunil Saikia, NIRD Guwahati.
2	Sattriya Dance Recital	4 August, 2011	Dr. Anwesa Mahanta (In association with Indian Council for Cultural Relations, Govt. of India).
3	A special talk on Folklore Studies	25 November, 2011	Professor P.C. Pattanayak, Department of MIL and LS, University of Delhi.
4	A series of lectures	20-29 March, 2012	Prof. Birendranath Datta, eminent folklorist and founder Professor, Dept. of Cultural Studies as Visiting Fellow (SAP-DRS-I)
5	Photographic Exhibition "Heritage of North East India" in collaboration with Archaeological Survey of India (ASI), Guwahati Circle organized on the occasion of World Heritage Day	18-27 April 2012	Dr S S Gupta, Superintending Archaeologist, Guwahati Circle, ASI
6	Photographic Exhibition on "Heritage of Tezpur" on the occasion of World Heritage Day	18-27 April 2013	Photographer Nalini Baruah
7	Interactive session	April, 2014	Prof Tulasi Diwasa, noted litterateur and academic, former Cultural Secretary at the Nepalese Embassy in the USA,

			from Nepal
8	A series of Lecture on <i>Cultural Studies</i>	03-08 Nov 2014	Dr. Promod Nayar, Department of English, Univ of Hyderabad
9	Foundation Day Lecture	19 January, 2015.	Mr. Lalit Gogoi, Deputy Commissioner, Sonitpur Assam and Mr. Pulak Deka, News Reporter, News Live, Guwahati
10	Interactive session	19 January, 2015.	Delegates from New Zealand led by Prof. Alison East and Prof. Barbara Snook, Univ of Otago and the Univ of Auckland
11	Special Lecture on <i>Film Studies</i>	10 February, 2015	Prof. Madhava Prasad, English and Foreign Languages University, Hyderabad
12	Special Lecture on <i>Film Appreciation</i>	11 February, 2015	Prof. Mihir Ranjan Bhattacharya, Founder Professor, Film Studies, Jadavpur University
13	Interactive session	February, 2015.	A Russian delegation from Russian State University, Moscow for the Humanities led by Prof. Alexandre A. Stolyavav
14	Celebration of World Heritage Day with a Special Lecture and Heritage walk for School students	20 April, 2015	Prof. Amarjyoti Choudhury, Pro VC, Tezpur University

45. List the teaching methods adopted by the faculty for different programmes.

- a. ICT
- b. Group Discussion
- c. Seminar
- d. Hand outs
- e. Debates
- f. Quizzes
- g. Assignments & Projects

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The Cumulative Grade point average system followed by the university has continuous assessment as an integral evaluative mechanism. Performances of students are evaluated on the basis of not only mid term and term end examinations but also student seminar presentations, library assignments, term papers, group discussions and debates, attendance, co-curricular and extra curricular activities are taken into account as part of the continuous evaluative process.

47. Highlight the participation of students and faculty in extension activities.

The department is actively involved in various cultural and academic activities of the University. It organized cultural performances like SPICMACAY Virasat series and Sattriya performance in collaboration with ICCR. It has conducted extension activities in nearby schools on the occasion of World Heritage Day every year. Some such events are listed below:

- i) 28 April, 2011: World Dance Day (Adressed by Nrityacharya Jatin Goswami, Sangeet Natak Akademi Awardee and Shri Bipul Das, Kathak Exponent.
- ii) 4 August, 2011: Sattriya Dance Recital by Anwesa Mahanta (In association with Indian Council for Cultural Relations, Govt. of India).
- iii) 17 Sepember, 2011: A special Talk on Integration and Communal Harmony by Shri D.P. Bagrodia, philanthropist, writer and social activist.
- iv) 28 November, 2011: Srimanta Sankaradeva Lecture by Prof. M. Narasimhachary (Dept of Cultural Studies is the nodal dept in organizing the Tezpur University endowment programme)
- v) 18-27 April, 2012: Photographic Exhibition "Heritage of North East India" by the the department in collaboration with Archaeological Survey of India (ASI), Guwahati Circle organized on the occasion of Heritage Day.
- vi) 18 May, 2012: Awareness programme by the Museum and Archive at Na-paam M.E. School on the occasion of International Museum Day
- vii) 27 November, 2012: A special lecture and demonstration on Baul Sangeet by Maqsuddul Haque, Bangladesh.
- viii) 18-27 April, 2013: A photographic exhibition on Cultural Heritage of Tezpur by the department on the occasion of World Heritage Day.
- ix) 29 November, 2013: World Philosophy Day of to mark the birth anniversary of the great philosopher Socrates. Prof. Girish Sarma, Dept of Philosophy, Gauhati University and a distinguished scholar was invited as the Guest Speaker on the occasion.

48. Give details of “beyond syllabus scholarly activities” of the department.

1. 18 January 2011, The Dept organized Foundation Day Lecture of the Dept delivered by Dr Sunil Saikia, NIRD Guwahati.
2. 28 April 2011, World Dance Day (Adressed by Nrityacharya Jatin Goswami, Sangeet Natak Akademi Awardee and Shri Bipul Das, Kathak Exponent.
3. 4 August 2011, Sattriya Dance Recital by Anwesa Mahanta (In association with Indian Council for Cultural Relations, Govt. of India).
4. 19 August 2011, Late Paramesh Dutta Memorial Lecture delivered by Mr. Moji Riba, Rajiv Gandhi University, Itanagar.
5. 17 September 2011, A special Talk on Integration and Communal Harmony by Shri D.P. Bagrodia, philanthropist, writer and social activist.
6. 25 November 2011, A special talk on Folklore Studies by Professor P.C. Pattanayak, Department of MIL and LS, University of Delhi.
7. 28 November 2011, Srimanta Sankaradeva Lecture by Professor M. Narasimhachary (nodal department in organizing the Tezpur University endowment programme)
8. 20-29 March 2012, A series of lectures by Prof. Birendranath Datta, eminent folklorist and founder Professor, Dept. of Cultural Studies as Visiting Fellow under SAP-DRS-I
9. 18-27 April 2012, Photographic Exhibition "Heritage of North East India" in collaboration with Archaeological Survey of India (ASI), Guwahati Circle organized on the occasion of Heritage Day.
10. 18 May 2012, Awareness programme at Na-paam M.E. School on the occasion of International Museum Day.

11. 25-29 September 2012, A series of lectures by Prof. Mihir Ranjan Bhattacharyya, formerly Professor in Jadavpur University, Kolkata as Visiting Fellow under SAP-DRS-I.
12. 28 January 2013, A series of lectures by Dr. Deepak Mishra, Associate Professor, Economics, JNU, Delhi as Visiting Fellow under SAP-DRS-I.
13. 1 February 2013, Interactive session with Prof. Annette Gomis and Dr. M. Dolores Herrero, University of Zaragoza, Spain.
14. 26 February, 2013, Interactive session with eminent film-maker Nadin Delpech (France), Helene Joinac (France) and Prof. Ursula Hasenbusch of Toulouse University, France.
15. 6 March, 2013: Interactive session with Prof. Abdul Awwal Biswas, Professor and Head, Department of Anthropology, Shah Jalal University of Science & Technology, Bangladesh.
16. 23 March, 2013, Interactive session with Lubna Marium, noted writer and performing artist from Bangladesh and recipient of first Dr Bhupen Hazarika International Solidarity Award.
17. 23 March, 2013, Interactive session with Prof. C Mathew Snipp of Stanford University.
18. April 2013, The 1st death anniversary of Dr Parag Moni Sarma and Dr Kailash Dutta. Prof. K.C. Baral, Director, EFLU, Shillong Centre delivered a lecture in memory of them.
19. 18-27 April, 2013 A photographic exhibition on Cultural Heritage of Tezpur by Museum and Archive on the occasion of World Heritage Day.
20. 19 August, 2013, Paramesh Dutta Memorial Lecture by Swapnanil Baruah, Commissioner, Cultural Affairs and Northern Assam, Government of Assam.
21. 29 November, 2013, World Philosophy Day on to mark the birth anniversary of the great philosopher Socrates. Professor Girish Sarma, Department of Philosophy, Gauhati University and a distinguished scholar was invited as the Guest Speaker on the occasion.
22. 10-11 February, 2014, 2-Day Regional Workshop on Traditional Knowledge, Socio Economic Development and Intellectual Property Rights organized by Tezpur University Intellectual Property Rights Cell in collaboration with Department of Cultural Studies, Tezpur University on.
23. 31 March- 1 April, 2014, International Seminar on Philosophy of Culture jointly organized by ICPR & Dept. of Cultural Studies, Tezpur University.
24. 27-28 March, 2014, National Seminar on Mobility and World View of the Singpho and Khampti Tribes of Arunachal Pradesh and Assam sponsored by ICPR & organized by Dept. of Cultural Studies, Tezpur University.
25. March 2014, Interactive session with Prof Sujata Miri, Formerly Professor, NEHU.
26. March 2014, Prof. P.C. Pattanaik, Head, Department of Modern Indian & literary Studies, University of Delhi visited the department.
27. April, 2014, Interactive session with Prof Tulasi Diwasa, noted litterateur and academic, also a former Cultural Secretary at the Nepalese Embassy in the USA, from Nepal.

28. 28 April, 2014 A special programme in loving memory of Dr. Parag Moni Sarma and Dr. Kailash Dutta.
29. 6 August 2014, Dr. Buddhadeb Ghosh, Economist from Indian Statistical Institute, Economics Research Unit delivered a lecture on on the topic 'Technology, Environment & Man's Worldly Craze: Crisis in Civilization'.
30. 18 August 2014, A special programme in loving memory of Late Paramesh Dutta.
31. 3-8 November 2014. Dr. Promod Nayar, Department of English, University of Hyderabad delivered a series of Lectures on Cultural Studies.
32. 19 January 2015. Mr. Lalit Gogoi, Deputy Commissioner, Sonitpur Assam and Mr. Pulak Deka, News Reporter, News Live, Guwahati delivered Foundation Day Lectures
33. 19 January 2015, Interactive session with Delegates from New Zealand led by Prof. Alison East and Prof. Barbara Snook from the University of Otago and the University of Auckland.
34. 6 February, 2015 Prof. P.C. Pattanaik, Head, Department of MIL and LS, Univ. of Delhi.
35. February, 2015 Interactive session with a Russian delegation from Moscow State University for the Humanities led by Prof. Alexandre A. Stolyavav visited the Department.
36. 10 February, 2015 a Special Lecture on *Film Studies* by Prof. Madhava Prasad, Head, Dept. of Cultural University, The English and Foreign Languages University, Hyderabad.
37. 11 February, 2015 a Special Lecture on *Film Appreciation* on Film Studies by Prof. Mihir Ranjan Bhattacharya, Founder Professor, Jadavpur University, Jadavpur.
38. 16-20 March, 2015 a week long Workshop on '*Cultural Photography*'. D. N. V. S. Seetharamaiah, Sr. Photography Officer, Indira Gandhi National Centre for the Arts, New Delhi and. Mr. Anjan Durlabh Choudhuri, Dy365 as the Resource Persons.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The department has shown exemplary research diversification and advancements in inter-disciplinary areas of research which are at their nascent stage in Northeast India viz.

- a. Gender Studies in Northeast.
- b. Performance and Culture.
- c. Environment and culture.
- d. Media Ecology

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1 Faculty drawn from different disciplines

- 2 Excellent research environment
- 3 Pedagogy: theory with hands on experience
- 4 Strong digital archive with multimedia facilities
- 5 Alumni well placed in industry and academia

Weaknesses

- 1 Relatively new discipline
- 2 Not much awareness among students about the discipline
- 3 Not offered as subject in graduation in colleges
- 4 Opportunities in government service for students is limited
- 5 Less scope for research funding & industry academia interface

Opportunities

- 1 To establish as premium center for Cultural Studies in India
- 2 North East provides ample scope to do cross cultural studies
- 3 Researchers are well placed to lead academics in the region
- 4 Gender, Heritage, Film Studies etc. are niche areas where the department has displayed strength
- 5 In the process of strengthening existing documentation hub

Challenges

- 1 Students lack basic knowledge about the subject
- 2 To increase employability of the students
- 3 Building industry-academia linkage
- 4 Students come from different academic backgrounds
- 5 Building inter-institutional collaboration among the limited institutes offering Cul. Studies

52. Future plans of the department.**New Programmes**

The department is contemplating introduction of a 5 year integrated MA course in an inter disciplinary area. Need assessment is being carried out in this regard.

New research Initiatives

The department is in the process of developing an exchange programme with Department of Film, Media and Culture, University of Nottingham facilitating research and exchange of people including students.

School of Humanities and Social Sciences

1. Name of the Department: English and Foreign Languages

2. Year of establishment: 1994

3. Is the Department part of a School/Faculty of the university?

Yes, School of Humanities and Social Sciences

4. Names of programmes offered

Sl. No.	Name of Programme	Duration	Intake
1	MA in English (commenced: 1997)	2 years	50
2	MA in Linguistics and Language Technology (commenced: 2012)	2 years	20
3	M.A in Linguistics and Endangered Languages (Commenced: 2015)	2 years	20
4	Integrated MA in English (commenced: 2011)	5 years	20
5	Integrated BA, B. Ed (English Major) (commenced: 2011)	4 years	10
6	Certificate Course in Chinese (commenced: 2005)	1 year	39
7	Certificate Course in Chinese (commenced: 2009) (Army sponsored candidates under MoA with Indian Army)	1 year	25
8	Certificate Course in Chinese (commenced: 2013) (ITBP sponsored candidates under MoA with ITBP)	1 year	12
9	Certificate Course in Language Documentation and Revitalization (Commenced: 2015)	6 month	10
10	PhD in English and allied subjects(commenced: 1996)	3-6 years	Variable

5. Interdisciplinary programmes and departments involved

Programme	Departments
Integrated MA in English	Cultural Studies, Sociology, Hindi, Environmental Science, Computer Science, Mass Communication & Journalism
Integrated BA, B. Ed (English Major)	Cultural Studies, Sociology, Hindi, Environmental Science, Mass Communication & Journalism

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programmes discontinued, if any, with reasons

Programme	Reason of discontinuation
PG Diploma in English Language Teaching	It was kept in abeyance as the students were deputed subject teachers of English to Higher Secondary schools and the State Govt. failed to depute teachers on time and also failed to ensure the regular salary of the teachers on deputation.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Course	Offered under department/school
B.Tech Integrated B.Sc.B.Ed. Integrated M.Sc.	Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Food Engineering and Technology, Civil Engineering MBBT, Mathematics, Physics, Chemistry

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	05	05	06
Associate Professor	03	01	02
Assistant Professor	07	11	09
Others	0	0	0

* In addition to sanctioned posts there are 4 contractual faculties and 2 visiting fellows

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D students guided last 4 years
M. M. Sarma	Ph.D	Professor	Literature in English, Critical Theory, Fiction, ELT (Syllabus Design & Materials Production), Linguistics	36	2
B. K. Danta	Ph.D	Professor	American Literature, Critical Theory, Translation and Translation Politics	32	3
F. Danta	Ph.D	Professor	American Literature, Cultural Studies	30	nil
P. K. Das	Ph.D	Professor	Indian Writing in English, American Literature, Book History	32	1
M. Barbora	Ph.D	Professor	Linguistics (Morphology, Syntax, Language Acquisition)	30	3
G. K. Borah	Ph.D	Professor	Linguistics (General and Cognitive), Philosophy of Language, English Literature	17	nil

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D students guided last 4 years
D. Mohapatra	Ph.D	Associate Professor	Curriculum Development, Materials Production, Language Policy	17	nil
S. Biswas	Ph.D	Associate Professor	Critical Theory, Indian Writing in English	17	nil
H. Medhi	Ph.D	Assistant Professor	Gender and Literature, New Literatures in English,	16	nil
R. Chakraborty	M.Phil. (Chinese)	Assistant Professor	Chinese Language and Literature	9	nil
R Narzary	M.A	Assistant Professor	Women's Writing, Commonwealth Literature, Indian Writing in English	9	nil
P. Jha	Ph.D	Assistant Professor	Children's Literature, Popular Culture and Literature, Postcolonial Writing	7	nil
S. Sahoo	Ph.D	Assistant Professor	Indian Writing in English, Eco-criticism, Travel Writing	17	nil
B. Gogoi	M.Phil	Assistant Professor	Indian Writing in English, Critical Theory	4	nil
A. K. Nath	Ph.D	Assistant Professor	Language Typology, Morphology, Language Endangerment, Multilingualism, Sociolinguistics	6	nil
B. Patgiri	M.Phil.	Assistant Professor	Phonology (Prosody, Dialectology, Language Typology and Syntax)	5	nil
E. Daimari	M.Phil.	Assistant Professor	South Asian Literature	4	nil
P. Kumar	Ph.D	Assistant Professor	Language Description and Documentation, Endangered Languages and Lesser Known Languages,	8	nil

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D students guided last 4 years
			Language Typology, General Linguistics		
B.Medhi	M.Phil. (German)	Assistant Professor	Eco-criticism, Exile Literature, Holocaust Literature, Post war Literature	1	nil
A Sarkar	M.A	Assistant Professor	Cognitive Linguistics, Computational Linguistics, Construction Grammar, Pragmatics	2	nil
N. Zingjarwon	M.Phil. (Chinese)	Assistant professor	Chinese Language and Literature	1	nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Senior Visiting Fellow	<p><u>2010-2011</u></p> <p>Prof A K Bhuyan, University of Hyderabad Prof A K Chakraborty, Head, Dept. of Medicinal Chemistry, NIPER, Mohali Dr D K Dutta, Sc E, Material Science Division, NEIST, Jorhat Dr G Kosmambetova, NASc., Kyiv, Ukraine</p> <p><u>2011-2012</u></p> <p>Prof. Jyotiprakash Tamuli, Department of Linguistics, Gauhati University. Prof. Krishan Sen, University of Calcutta, Kolkata Dr. K. S. Nongkyrih, Department of English, NEHU, Shillong Prof. K. V. Subbarao, Former faculty, University of Delhi Prof. Mohan Ramanan, University of Hyderabad. Prof. P. S. Mishra, Director, ELTI, Assam Prof. Rajesh Bhatt, University of Amherst, Massachusetts, USA Prof. Subir Dhar, Rabindra Bharati University, Kolkata.</p> <p><u>2012-2013</u></p> <p>Prof. Subir Kumar Dhar, Professor of English & Director, School of Languages & Culture, Rabindra Bharati University, Kolkata. Prof. Shyamal Das, Department of English, Tripura University Prof. Sudhakar Marathe, formerly Professor and Head, Dept. of English and Dean, Faculty of Arts, University of Hyderabad Prof. Krishan Sen, University of Calcutta, Kolkata Prof. Mohan Ramanan, University of Hyderabad. Prof. Parakash Chandra Patnaik, Prof. & Head, Department of M.I.L and Literacy Studies, University of Delhi Prof. Sachidananda Mohanty, Department of English, University of Hyderabad Ms. Moushumi Kandali, Novelist and Art Historian, Guwahati.</p>
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	Prof. Rabindra Ray, University of Delhi Prof. Rajesh Sachdeva, Retd. Director, CIIL, Mysore Prof. Chanchala C. Naik, EFL University, Hyderabad Prof. Nandana Dutta, Prof. & Head, Department of English, Gauhati University Prof. P. Madhavan, EFL University, Hyderabad Prof. Sumanyu Satapathy, University of Delhi, New Delhi <u>2013-2014</u> Professor George van Driem, University of Berne, Switzerland Professor Scot Delancey, University of Oregon, US Professor Pramod Nayar, University of Hyderabad Dr Bodhisattva Kar, University of Cape Town Dr Seino van Breughel, author of <i>A Grammar of Atong</i> (Brill: Leiden, 2014) Professor Stig Toft Madsen, Nordic Institute of Asian Studies, Copenhagen, Denmark <u>2014-2015</u> Prof. K. Narayan Chandran, Department of English, University of Hyderabad Dr Shakuntala Mahanta, Associate Professor, Indian Institute of Guwahati Dr Arupjyoti Saikia, Associate Professor, IIT, Guwahati Prof. P. Madhavan, EFL University, Hyderabad Prof. Himadri Lahiri, University of Burdwan Dr Kynpham S. Nongkynrih, Associate Professor, North Eastern Hill University, Shillong Prof. Sailendra Kumar Singh, NEHU, Shillong Dr Anjali Daimari, Associate Professor, Gauhati University
Adjunct Faculty	Nil
Emeritus Professors	Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	%
M.A English	25%
M.A Linguistics and Language Technology	35%
M.A Linguistics and Endangered Languages	25%
Integrated M.A in English	15%
Certificate in Chinese	50%
Foreign Language (German) as CBCT	100%

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
MA in English	101	10	10:1
MA in Linguistics and Language Technology	40	6	20:3
Integrated MA in English	77	11	7:1
Integrated BA, B Ed (English Major)	7	7	1:1
Chinese Certificate course	12	2	6:1
All departmental programmes (excluding Ph.D)	237	19	12:1
All departmental programmes (Including Ph.D.)	271	19	14:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
UDC	01	01	01
Technical Assistant	01	01	01
MTS	01	01	01

16. Research thrust areas as recognized by major funding agencies

Research area	Funding Agency
Understanding Colonial and Alternative Modernities in Travel and Life Writings in Assam and Examining Asian and Indian Influences	UGC-SAP
'Language Contact and Convergence: Study of Bugun (Khowa) of West Kameng District of Arunachal Pradesh' (2012-14)	Indian Council of Social Science Research (ICSSR)
Indian Languages Corpora Initiative (ILCI) Phase-II. (March 2012- September 2015)	Department of Electronics and Information Technology
Digital Language Preservation (April 2013-March 2016)	Department of Electronics and Information Technology

17. Number of faculty with ongoing projects from

- a) National agencies : 01
 b) International funding agencies : Nil
 c) Total grants received : ₹ 66.74 lakhs

Names of the funding agencies, project title and grants received project-wise.
 (List of projects submitted in the enclosed format, Vol-II B)

18. Inter-institutional collaborative projects and associated grants received: Nil

- a) National collaboration b) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sl. No.	Project	Year	Level	Sanctioned amount (in ₹)
1	Dept of Electronics and Information Technology	March 2012- September 2015		5,21,375
2	Dept of Electronics and Information Technology	2013-2016		61,53,000
3	UGC-SAP	2009-14	I	32 lakhs
4	UGC-SAP	2015-19	II	98 lakhs

20. Research facility / centre with state/national/international recognition

Facility/centre	State/National/International
Centre for Endangered Languages	National (identified as nodal centre for consortium of universities in Northeast India)

21. Special research laboratories sponsored by /created by industry or corporate bodies

Nil

22. Publications

Publication type	Year			
	2014-15	2013-14	2012-13	2011-12
*Number of Papers published in peer reviewed journals				
<i>National journals</i>	4	4	3	6
<i>International journals</i>	4	2	2	
<i>Regional</i>				
Conference Proceedings			3	1
Books (with ISBN) & Monographs	3	1	2	2
Chapters in Books	18	6	7	4
Edited Books	1	2		
Important Translated work				
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	-			
Citation Index – range / average	-			
SNIP	-			
SJR	-			
Impact Factor – range / average	-			
h-index- range/average	-			

23. Details of patents and income generated: Nil**24. Areas of consultancy and income generate**

Chinese consultancy course offered for defence personnel. As per agreement ₹ 2, 00, 000 per semester is deposited to the university

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad

Name	In what capacity	Sponsoring agency	Place of visit	Duration & time period
P. K. Das	Fulbright-Nehru Research Fellow	Fulbright Foundation	USA (Harvard)	1 Feb., 2012 - 30 Sept., 2012
Arup Kr. Nath	UCG-DAAD Exchange of Senior Scientist Fellowship.	UGC-DAAD	Univ. of Hamburg, Germany, Max Planck Inst. for Evol. Anthropology, Leipzig	June-July 2014
Hemjyoti Medhi	Charles Wallace fellowship	Charles Wallace Foundation	School of Oriental Studies, UK	March-June, 2015

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
d) Reviewer of reputed journals (e) any other (please specify)

Name	National committees	International committees	Editorial Boards	Reviewer	Others
M. M. Sarma		Member of Association	'Anviksa' A refereed		

		for Asian Performance, USA	journal of Dib. Univ.		
B. K. Danta	Member of Academic Council, Mizoram University, Member of BoS, NEHU, Member of BoS, RGU		Dibrugarh University Journal for English Studies (DUJES)	OUP, Gauhati University Journal for English, 'Margins', Orient Blackswan, Cambridge University Press, 'Sage'	
G. K. Borah	Member of BoS, EFLU, Shillong and Nagaland University		Journal of Contemporary Research ISSN: 23209542		
S. Biswas	Member of Forum for Critical Theory	Member of Rock Mountain Modern Language Association, USA			
Arup K. Nath				North East Journal of Contemporary Research, Journal of Universal Language	

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Programme and Organiser	Period
Reetamoni Narzary	Refresher Course, University of Delhi	25/02/2013 to 0/03/2013
Pallavi Jha	Orientation Programme, Academic Staff College, University of Madras	01/09/2014 to 01/10/2014
Arup K. Nath	Orientation Programme, JNU	06/11/2014 to 04/12/2014

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
M.A English	100%
M.A Linguistics and Language Technology	100%
Integrated M.A	100%

- percentage of students doing projects in collaboration with other universities / industry / institute

Name of Programme	Percentage
Ph.D	5.5%

28A. Internship for students of outside institutes

Year	No of students	Participating institutes	Sponsoring agencies
2014-15	NIL		
2013-14	03	Dibrugarh University	
2012-13	NIL		
2011-12	NIL		

29. Awards / recognitions received at the national and international level by

- Faculty** : P. K. Das, A.K .Nath, H. Medhi
(Details in Sl. No. 25)
- Doctoral / post doctoral fellows** : Nil
- Students** : Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/ eminent participants, if any.

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
B. K. Danta, P. Jha	Lives of Indian Saints and the Claims of Devotion (15-16 February 2012)	UGC-SAP	-
B. K. Danta, S. Biswas, P Jha	Narratives of Memory and Migration in Assam (28 February 2012)	UGC-SAP	-
B. K. Danta	Workshop on Diaspora and Literature (4 February 2013)	UGC-SAP	Prof. Annetee Gomis Dr. Dolores Herrero, University of Zaragoza, Spain.
B. K. Danta	The Form and Function of Travel Writing in Northeast India: Interdisciplinary Concerns (30 March 2013)	UGC-SAP	-
S. Sahoo & Hemjyoti Medhi	The Practice of Everyday Life in North-East India: An Interdisciplinary Approach (14-15 March, 2014)	ICCR	Prof. Pramod Nayar, Univ. of Hyderabad
Hemjyoti Medhi & P. K. Das	'Colonial and Alternative Modernities with special reference to Assam/Northeast', (28 February, 2015)	UGC-SAP	Dr Arup Jyoti Saikia, Associate Prof., IITG

31. Code of ethics for research followed by the departments

Department follows research manuals of the university which includes code of ethics (with a strict no to plagiarism) for subjective informants/consultants.

32. Student profile programme-wise

Name of the Programme (refer to Item 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
M. A. in English	873	6	46	Continuing	Continuing
MA in Linguistics and Language Technology	67	3	18	Continuing	Continuing
Integrated MA in English	811	6	18	Continuing	Continuing
Integrated BA. B.Ed.		2	5	Continuing	Continuing
Chinese Certificate Course	06	Nil	1	Continuing	Continuing
PhD	20	1	3	Continuing	Continuing
2013-14					
		Male	Female	Male	Female
M. A. in English	505	12	40	Continuing	Continuing
MA in Linguistics and Language Technology	54	3	17	Continuing	Continuing
Integrated MA in English	508	6	8	Continue	Continue
Integrated BA. B.Ed.		2	5	Continuing	Continuing
Chinese Certificate Course	05	1	2	100%	100%
Ph.D.	67	Nil	4	Continuing	Continuing
2012-13					
M. A. in English	360	7	45	85.7%	97.8%
MA in Linguistics and Language Technology	16	3	5	66.7%	100%
Integrated MA in English	224	3	8	Continuing	Continuing
Integrated BA. B.Ed.	224	4	5	Continuing	Continuing
Chinese Certificate Course	7	1	3	100%	66.7%
Ph.D.	66	5	2	Continuing	Continuing
2011-12					
		Male	Female	Male	Female
M. A. in English	300	7	45	100%	100%
Integrated MA in English	72	2	9	Continuing	Continuing
Integrated BA. B.Ed.	Conducted centrally in 2011	1	9	Continuing	Continuing
Chinese Certificate Course	15	2	-	100%	-
PhD	66	4	8	Continuing	Continuing

33. Diversity of students

Name of the Programme (refer to item 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA in English	Nil	96%	4%	Nil
MA in Linguistics	5%	90%	2.5%	2.5%
Integ. MA English	N/A	N/A	N/A	N/A
Integ. BA, B Ed	N/A	N/A	N/A	N/A
Certificate Course in Chinese	Nil	100%	Nil	Nil
PhD	37.5%	12.5%	50%	Nil

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	No of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	01	01	01	01	-
NET LS	05	08	16	02	-
GATE	n/a	n/a	n/a	n/a	n/a
Civil Services	-	-	-	-	-
Engineering Services	n/a	n/a	n/a	n/a	n/a
Defence services	-	-	-	-	-
Others (Specify) SET	19	07	01	-	05

35. Student progression

Student progression	Percentage against enrolled
UG to PG	23.7%
PG to M.Phil.	5.3%
PG to Ph.D.	6.0%
Ph.D. to Post-Doctoral	Nil
Employed	20% (Approx.)
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	0.25%

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	14%
from other universities within the State	23%
from universities from other States	58%
from universities outside the country	5%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph.D.	02
M. Phil	-
D.Sc.	-
D. Litt.	-

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	Yes	1/(281 books)
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	8 (Capacity: 300)
d) Total number of class rooms with ICT	No	-
e) Students' laboratories	Yes	1 Computer laboratory/5
f) Research laboratories	Yes	1 Language laboratory/15
g) Archive/Museum/ Studio	N/A	

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
6	25
Post-Doctoral	
nil	nil
Research Associates	
nil	nil

40. Number of post graduate students getting financial assistance from the university.

Programme	Number
Ph.D	06

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, we prepare and design the courses based on national and international requirement. This included the courses meant for academics as well as industry based. First we prepare the syllabus at department level forming a committee and then those syllabi are sent to three external subject experts for review and comments. Then we incorporate subject experts' suggestions and accordingly we start the programme.

42. Does the department obtain feedback from

(a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	Yes, courses are frequently updated on the assessment provided by faculty.
(b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Yes, corrective steps are taken after due analysis of feedback.
(c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	Yes, corrective steps are taken after due analysis of feedback.

43. List of selected alumni of the department

Sl. No.	Name	Programme and batch	Current position/ achievement (if any)
1.	K. M. Baharul Islam	Ph. D (1995-2000)	Professor of Communications Chair, Center of Excellence in Public Policy & Government, Chair of Planning and Development IIM, Kashipur
2.	Prof. Madhumita	Ph. D	Professor, Department of EFL, Tezpur

	Barbora	(1995-2002)	University
3.	Dr. Debarshi Pd. Nath	M.A (1997-1999)	Professor, Department of Cultural Studies, Tezpur University
4.	Rajat Ghosh	Ph.D (1996-2002)	Associate Professor & Director of Studies, Faculty of English Language, Majan University College, Oman
5.	Dipti Mahanta	Ph. D (2001-2004)	Faculty, Mahachulalongkorn Raja Vidyalaya University, Thailand
6.	Dr. Sanjib Sahoo	Ph. D (2002-2009)	Assistant Professor, Department of EFL, Tezpur University
7.	Mamun Azam Borbhuiya	Ph. D (2005-2012)	Principal, Hazi Anfar Ali College, Doboka, Nagaon
8.	Bashabi Gogoi	M. A (2004-2006)	Assistant Professor, Department of EFL, Tezpur University
9.	Dr. Anurag Bhattacharyya	M. A (2001-2003)	Assistant Professor, Dept of English, Dibrugarh University
10	Rizia Begum Laskar	M. A. (2001-2003)	Assistant Professor, Dept of English MDKG College, Dibrugarh

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl No.	Programme details	Date/s	Name of Experts
1.	Special Lectures	03-04 February, 2014	Prof. Scott DeLancey Department of Linguistics University of Oregon, Eugene OR, USA
2.	Special Lectures	October 25, 2013	Professor George van Driem, University of Berne, Switzerland
3.	Special Lectures	March 19-20, 2014	Professor Stig Toft Madsen of the Nordic Institute of Asian Studies, Copenhagen, Denmark
4.	Seminars	March 14-15, 2014	Professor Pramod Nayar (Univ. of Hyderabad); Dr Bodhisattva Kar (Univ. of Cape Town), Dr. David Zou (Univ. of Delhi) Sean Dowdy (Univ. of Chicago)
5.	Workshop	February 24-26, 2015	Dr. Sakuntala Mahanta, IIT, Guwahati

45. List the teaching methods adopted by the faculty for different programmes.

Traditional lecture method supplemented by group seminars, peer teaching, field studies etc.

1. Traditional Class Lecture
2. Interactive Lecture
3. Group Seminars
4. Group Discussions
5. Presentation
6. Field Studies

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Feedback from pass out students shows objectives are generally met. Besides this, we also have a system of taking feedback from students after each semester with regards to teachers' performance and classroom teaching.

47. Highlight the participation of students and faculty in extension activities.

Faculty and students take part in extension activities organized by the university, including those organized by NSS and NCC

48. Give details of "beyond syllabus scholarly activities" of the department.

Students of the Dept. have been bringing out a literary journal called *Ecriture*. There is a literary society in the Dept. which organizes quizzes etc. In addition, there are activities like bringing out a wall magazine. A number of our students also write and publish in creative and journalistic magazines brought out from the University like *Srijan*, *Sampark* and outside.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: None

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

As a humanities department, the faculty contributes to the creation of new knowledge by publishing research findings in journals. Several of our colleagues have/ are conducting research projects funded by independent bodies.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1 Dedicated faculty
- 2 A work environment conducive to study
- 3 Good performance
- 4 Residential university
- 5 Good governance

Weaknesses

- 1 Difficult to retain faculty in some subjects like foreign language teaching
- 2 Lack of direct air and train facilities to connect with entire India
- 3 Lack of exposure for research unlike metropolis
- 4 Undergraduates academic orientation average, as most of them are from semi-urban and rural areas

Opportunities

- 1 Locational advantage for research in lesser known and endangered languages.
- 2 Scope to interact with foreign scholars on a regular basis
- 3 Locational advantage for Chinese course; MOU with Indian Army and Indo-Tibetan Border Police (ITBP)
- 4 UGC SAP-DRS-II project to facilitate research

Challenges

- 1 To encourage students to go for original and innovative research
- 2 To encourage students to be more interactive with teachers
- 3 To encourage more students to attend international and national conferences within India

- 4 To encourage students to publish in peer reviewed journals
- 5 To encourage them to go for networking with researcher and faculty of premier institutions.

52. Future plans of the department.

- The Department proposes to expand its foreign language section.
- The Linguistics section is set to become a full-fledged department by itself.
- The Linguistics section has got 'Centre for Endangered Languages' from UGC to document and revitalize endangered languages. Tezpur University will host nodal centre for the group of universities which includes Tezpur University, Sikkim University, and Rajiv Gandhi University.
- The Department has moved to the second stage of SAP (SAP-DRS-II) and proposes to be involved more actively in research by organizing more seminars etc. and by increasing publications.

School of Humanities and Social Sciences

1. Name of the Department : Hindi

2. Year of establishment : 2010

3. Is the Department part of a School/Faculty of the university?

Yes, School of Humanities and Social Sciences

4. Names of programmes offered

Sl. No.	Name of Programme	Duration	Intake
1	M.A. Hindi (2013)	2 Years	25
3	PGDT (July 2011)	1 Year	25
4	Certificate in Official Hindi (Programme)	6 Months	10
2	Ph.D Hindi (December 2010)	3-6 years	variable

5. Interdisciplinary programmes and departments involved: Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: NA

7. Details of programmes discontinued, if any, with reasons: NA

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments: NA

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (incl CAS & MPS)
Professor	01	01	01
Associate Professor	01	01	01
Assistant Professor	02	02	02
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph. D. students guided last 4 years
A. K. Nath	Ph. D.	Professor	Medieval Poetry, Comparative Study	38	3
S. K. Tripathi	Ph. D.	Associate Prof.	Applied linguistics, Indian poetics & folk literature	13	2
Anju Lata	Ph.D.	Asstt. Professor	Modern Literature	4	nil
Anushabda	Ph. D.	Asstt.	Linguistics	3	nil

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph. D. students guided last 4 years
		Professor			

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: NA

13. Percentage of classes taken by temporary faculty – programme-wise information: NA

14. Programme-wise Student Teacher Ratio

Programme	No. of students	No of teachers	Ratio
Ph.D (Hindi)	6	2	3:1
PGDT (Hindi)	3	4	3:4

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
UDC	01	01	01
*MTS	01	01	01

* Part-time sharing with other department

16. Research thrust areas as recognized by major funding agencies: NA

17. Number of faculty with ongoing projects from

- a) National: nil
b) International funding agencies: nil
c) Total grants received: nil

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration b) International collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. NA

20. Research facility / centre with state/national/international recognition: NA

21. Special research laboratories sponsored by / created by industry or corporate bodies: NA

22. Publications

Publication type	Year			
*Number of Papers published in peer reviewed journals	2014-15	2013-14	2012-13	2011-12
<i>National journals</i>	6	11	7	7
<i>International journals</i>	2	1	3	1
<i>Regional</i>	nil	nil	nil	nil
Conference Proceedings	2	4	2	1
Books (with ISBN) & Monographs	1	2	2	2
Chapters in Books	nil	1	5	2

Edited Books	nil	nil	nil	nil
Important Translated work	nil	nil	nil	nil
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	-			
Citation Index – range / average	-			
SNIP	-			
SJR	-			
Impact Factor – range / average	-			
h-index- range/average	-			

23. Details of patents and income generated : NA

24. Areas of consultancy and income generate : NA

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : NA

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other
(please specify)

Name	National committees	International committees	Editorial Boards	Others
A. K. Nath	02 (Board of Studies, NEHU, Shillong & RGU, Itanagar)	-	02 (Anuvad Bharati, Usha Jyoti & Anukriti)	-
S. K. Tripathi	-	-	Annual Report (TU), Ananya (Varanasi), Sahitya Vimarsh (Varanasi)	-
Anju Lata	-	-	Srijan, TU Magazine	-
Anushabda	-	-	Samanvay Poorvottar (Shillong) Mook Awaz (online)	-

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs)

Name	Programme and Organiser	Period
Anju Lata	Orientation programme, ASC, J.N.U., New Delhi	8 Oct-2 Nov, 2014
Anushabda	Refresher Course, ASC, BHU	3-30 Jan, 2014
Anushabda	Refresher Course, ASC, University of Hyderabad	5-25 Jan, 2015

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
M.A. (Hindi)	100%
PGDT (Hindi)	100%

- percentage of students doing projects in collaboration with other universities / industry / institute

Nil

29. Awards / recognitions received at the national and international level by

- Faculty

Name	Award/recognition
A. K. Nath	Received ' <i>Hindi Sevi Saraswati Samman</i> ' an International Award, at Mauritius on 28 May, 2014 Abhyuday Bahuddeshiya Santha, Wardha, Maharashtra.

- Doctoral / post-doctoral fellows: nil
- Students: nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

Name of Faculty	Seminars/ Conferences/Workshops organized (National/International)	Source of funding	Eminent Participant/resource person
Anushabda	National Seminar on 'Lok aur Shastra: Janajatiya Sahitya' 26-27 March, 2015	Sahitya Academy & Others	1.Ramanika Gupta 2.Saran Kr. Limbale 3.Mahadev Topo
	National Seminar on 'Maanawiki ewam Saamaajikwigyanon mein Takaniki Shabdawali ka Nirmaan, Prayog tathaa Samasyaen' 29-30 Aug, 2015	STT, New Delhi	-

31. Code of ethics for research followed by the departments

Code of ethics for research is strictly followed as per Tezpur University rules & regulations.

32. Student profile programme-wise

Name of the Programme (refer to item 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
M.A.	31	5	13	-	On going
PGDT (Hindi)	3	-	1	-	On going
Ph.D.	28	-	1	-	On going
2013-14					
M.A.	35	2	19	-	On going
PGDT (Hindi)	09	-	8	-	100% Passed out
Ph.D.	-	-	-	-	Not Advertised
2012-13					
PGDT (Hindi)	10	-	3	-	100% Passed out
Ph. D	25	2	-	-	2 selected but not admitted
2011-12					
PGDT (Hindi)	6	1	1	-	100% Passed out

Name of the Programme (refer to item 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Ph.D	25	-	2	-	On going
2010-11					
Ph.D	56	1	3	-	1 Passed out

33. Diversity of students

Name of the Programme (refer to item 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PGDT (Hindi)	0%	90%	10%	0%
Ph. D	0%	66.6%	33.3%	0%

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	2014	2013	2012	2011
SLET	-	-	-	-
NET	-	-	01	-
GATE	-	-	-	-
Civil Services	-	-	-	-
Defence services	-	-	-	-
Others (Specify)	-	-	-	-

35. Student progression: NA**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	
from other universities within the State	25 %
from universities from other States	75 %
from universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph. D.	02
M. Phil	nil
D.Sc.	nil
D. Litt.	nil

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	No	-
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	02 (50 capacity each)
d) Total number of class rooms with ICT	No	-

e) Students' laboratories	No	-
f) Research laboratories	No	-
g) Archive/Museum/ Studio	No	-

39. List of doctoral, post-doctoral students and Research Associates

From host institution/university	From other institutions/Universities
Doctoral	
01	01

40. Number of post graduate students getting financial assistance from the university: NA

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, pilot survey was done before starting the programme in this university.

Methodology applied were

- (a) Taking stock of the existing departments in the other neighboring universities
- (b) The scope of student's employability
- (c) The need of the programme giving the situation in the surrounding areas.

42. Does the department obtain feedback from

a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	We utilize the feedback of students for the awareness of teachers in regards to teaching abilities.
b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	As per the feedback, the department updates the areas wherever there is need.
c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	As the master programme has started only in 2013, there is no question of alumni as of now.

43. List the distinguished alumni of the department (maximum 10): NA

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl No.	Programme details	Date/s	Name of Experts
1	Orientation programme	01/08/2013	Prof. S. K. Dutta
2	Lecture on subject	14/02/2014	Prof. Sushil Kumar and Prof. Satyapal Chauhan
3	-do-	17/08/2015	Prof. Hemraj Meena
4	Lecture on Hindi Teaching in Russian Universities	10/02/2015	Dr. Indira Gaziera
5	Lecture on Hindi Teaching in German Universities	24/09/2015	Prof. Tatiana Oranskaia

45. List the teaching methods adopted by the faculty for different programmes.

- a. Usage of Class Board
- b. Supply of Study Materials
- c. Assignments are given to the Student.
- d. Classroom Seminar.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

We ensure that programmes objective are met & monitored through the students feedback form every semester.

47. Highlight the participation of students and faculty in extension activities.

The Department organized many training programmes like Hindi Typing, Unicode Use etc. Our students participated in different cultural and literary events.

48. Give details of “beyond syllabus scholarly activities” of the department.

Security personal, MTS, Hostel Menials, Hindi Teacher of Neighboring Schools of the university are provided Hindi teaching in the department under the outreach Programme.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: None

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: NA

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1 Job oriented courses
- 2 Hindi Training programme for official purpose
- 3 Faculty Unity
- 4 Students Co-operation
- 5 Special lecture by the outside subject experts

Weaknesses

- 1 Grammatical problem for students
- 2 Limited departmental Infrastructure
- 3 Short of books
- 4 Lack of fulltime MTS
- 5 Lack of hindi typist

Opportunities

- 1 M.A. programme to draw students from the whole of North East
- 2 PGDFH under distance mode being consolidated
- 3 PGDT programme in department continuing
- 4 Ph.D. programme is running on
- 5 Assistance to research scholar for Hindi typing

Challenges

- 1 To promote the local students in research in Hindi
- 2 To attract students from other universities to joined the programme in Hindi
- 3 To develop the dept. in the all India perspective
- 4 The department shall have to work hard to establish in all India standard
- 5 The department shall also try to make an atmosphere to study all other North East India's folklore and language for national integrity and development

52. Future plans of the department.

New research Initiatives

Research on comparative literature and comparative folklore.

School of Humanities and Social Sciences

1. Name of the Department: Mass Communication and Journalism

2. Year of establishment: 2001

3. Is the Department part of a School/Faculty of the university?
Yes, School of Humanities and Social Sciences

4. Names of programmes offered

Sl. No.	Name of Programme	Duration	Intake
1	M. A.	2 yrs	35+2 (Self supported)
2	PGDMMC	1 yr	20
3	Ph. D.	3-6 Yrs	variable

5. Interdisciplinary programmes and departments involved: Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

7. Details of programmes discontinued, if any, with reasons: Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Programme/course	Departments
Integrated M.A. in English Integrated B.A. B.Ed / Integrated B.Sc. B.Ed (all subjects)	Department of English and Foreign Languages (School of Humanities and Social Sciences) Departments of Physics, Chemical Sciences, Mathematical Sciences (School of Sciences)

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	1	Nil	Nil
Associate Professor	4	2	2
Assistant Professor	10	7	7
Others	Nil	Nil	Nil

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D students guided last 4 years
Abhijit Bora	Ph. D.	Associate Professor & HoD	Print Journalism, Community Media / Community Radio, Science Communication, Feature Writing	11	4 (1 awarded)

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D students guided last 4 years
P. Anbarasan	M. Phil., Ph. D.	Associate Professor	Print Media, Communication Research, Film Studies	14	nil
Joya Chakraborty	Ph. D.	Assistant Professor	Print Journalism, Communication Research Methodologies, Communication Theory, Communication for social change	13	2
Uttam Kr. Pegu	Ph.D	Assistant Professor	ICT Implications on Society, Film Studies, and Media Analysis	11	2 (Associate supervisor)
Bala Lakhendra	Ph. D.	Assistant Professor	TV, Radio & Film Traditional Media, PR, Youth & Rural Development, Development Communication	6	1 (Associate supervisor)
A Nagaraju	Ph.D.	Assistant Professor	Electronic Media and Media Studies	10	nil
Perosh Jimmy Daimari	M. A.	Assistant Professor	TV and Radio, Sound, Advertising	5	nil
Anjuman Borah	M. A.	Assistant Professor	TV Production, Advertising, Public Relations, Journalism.	5	nil
Kapou Malakar	M. A.	Assistant Professor	TV, Film, Photography, Multimedia Journalism, International Communication	5	nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil

13. Percentage of classes taken by temporary faculty – programme-wise information: Nil

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
MA in MCJ	34 – IV Sem 37 – II Sem	9	8:1
PGDMMC	----	----	----
Ph.D.	9	9	1:1

All departmental programmes (excluding Ph.D.)	71	9	8:1
All departmental programmes (Including Ph.D.)	80	9	9:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
Technical Officer	01	01	01
Senior Technical Assistant	01	01	01
LDC	01	01	01
MTS	01	01	01

16. Research thrust areas as recognized by major funding agencies: N/A

17. Number of faculty with ongoing projects from

- a) National agencies : 01
b) International funding agencies : 02 (UNICEF)
c) Total grants received : ₹ 6.66 lakhs

Names of the funding agencies, project title and grants received project-wise.
(List of projects submitted in the enclosed format, Vol-II B)

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration b) International collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

NII

20. Research facility / Centre with state/national/international recognition: NA

21. Special research laboratories sponsored by / created by industry or corporate bodies
NA

22. Publications

Publication type	Year			
*Number of Papers published in peer reviewed journals	2014-15	2013-14	2012-13	2011-12
<i>National journals</i>	-	-	-	-
<i>International journals</i>	17	14	11	19
<i>Regional</i>				
Conference Proceedings	--	3	8	3
Books (with ISBN) & Monographs	--	3	1	--
Chapters in Books	2	3	1	3
Edited Books				
Important Translated work				
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	-			
Citation Index – range / average	-			
SNIP	-			
SJR	-			
Impact Factor – range / average	-			
h-index- range/average	-			

23. Details of patents and income generated: NA

24. Areas of consultancy and income generate: NA

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad

Name	In what capacity	Sponsoring agency	Place of visit	Duration & time period
Abhijit Bora	Rotary International Peace Fellowship	Rotary International	Chulalong Korn Univ., Bangkok.	10 June - to 18 Aug, 2015
	Associate	UGC	Indian Institute of Advanced Study (IIAS), Shimla	For 1 month for 3-consecutive years (2015 -18)

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
d) Reviewer of reputed journals (e) any other (please specify)

Name	National & International committees	Editorial Boards	Reviewer	Others
Abhijit Bora				Member of different boards of NEHU, Dibrugarh Univ., Assam Univ. and Mizoram University
P. Anbarasan		TIKM J. of Film, Media & Communication (ISSN2448-9328)		
Joya Chakraborty			Asian J. of Communication, AMIC & Routledge Publication	

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programmes, workshops, training programs and similar programs).

Name (Coordinators)	Programme and Organizer	Date/Period
A. Nagraj	Training and Orientation on "Media and Accessibility"	24-25 March, 2011
Abhijit Bora	National seminar on Gandhian Concept of Media Literacy	30-31 March, 2011
Bala Lakhendra	Workshop on Radio	24-29 April, 2011
Abhijit Bora	Workshop on Film Studies	24-27 Nov, 2011
Abhijit Bora	One week-long workshop on 'Research Methodology in Social Sciences with special focus on Mass Communication	3-7 Dec, 2011
Abhijit Bora	Two weeklong workshops on 'Science Communication through Media'	i) 1-6 Oct, 2012 ii) 10-15 Dec, 2012
Abhijit Bora	National seminar on "Media in Nation Building- A Retrospective"	30-31 Jan, 2013
Anjuman Borah	Workshop on Advertising and Corporate Communication	7-8 April, 2013
Anjuman Borah	Workshop on Advertising	24-27 Sep, 2013

Joya Chakraborty	FDP on “Participatory Communication”	5-11 August, 2013
Joya Chakraborty	Consultative meet for “training Module Development of Various Stakeholders of Development”	9-11 Aug, 2013
Joya Chakraborty	Regional Workshop on “Participatory Communication”	28-30 Oct, 2013
Kapou Malakar	Workshop on Story Telling and Story making: Art and Animation in Praxis	4-8 Nov, 2013
Abhijit Bora	Workshop on Research Methodology in Social Sciences	24 Nov-3 Dec, 2014
Joya Chakraborty	Facilitating Participatory Workshops for Training of Trainers with special focus on RI	23-28 Feb, 2015

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
M. A. (MCJ)	100%

- percentage of students doing projects in collaboration with other universities / industry / institute: Nil

28A. Internship for students of outside institutes

Year	No of students	Participating institutes	Sponsoring agencies
2014-15	01	College students	TU
2013-14	--	Do	Do
2012-13	02	Do	Do
2011-12	02	Do	Do

29. Awards / recognitions received at the national and international level by

- Faculty: Nil
- Doctoral / post doctoral fellows: Nil
- Students

Name	Award/recognition	Year
Ms. Jurismita Pujari MA in MCJ (IV sem)	1. National Silver Karmaveer Chakra for making best contributions towards educating the underprivileged. 2. AFRC Apeejay Karmayuga Bronze Chakra for rendering commendable services for social empowerment for the year 2014 – 15, by iCONGO (Indian Confederation of NGOs)	2014 – 2015

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/eminent participants, if any.

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
Joya Chakraborty	A colloquium on ‘Co-creating strategies with broadcast media on facilitating children’s voices in the media’ 6 March, 2011	UNICEF	Broadcast media professionals from Guwahati

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/resource person
A. Nagraj	2- day Training and Orientation on “Media and Accessibility”, 24-25 March, 2011	Ali Yavar Jung National Inst. for the Hearing Handicapped , Mumbai	Mr. P.J. Mathew Martin from AYJNIHH, Mumbai & Mr. Khannan from UNICEF
Abhijit Bora	National seminar on Gandhian Concept of Media Literacy, 30-31 March, 2011	Gandhi Smriti and Darshan Samiti, New Delhi,	Prof. A. Nagraj, Assam University, Prof. R.M.Pathak, MG Kashi Vidyapeeth, Varanasi,
P. Anbarasan	1-day workshop on “Poverty and Food Security: Image, Reality and Public Perception”, 5 Nov, 2011.	People’s Rights Trust, Assam	Sunil Kohl, Social Activist.
Abhijit Bora	Weeklong workshop on ‘Research Methodology in Social Sciences with special focus on Mass Communication, 3-7 Dec, 2011	ICSSR- NERC, Shillong	Prof. A. Nagraj, Assam University, Prof. Sisir Kr. Basu, BHU,
	2 weeklong workshops on ‘Science Communication through Media’ 1-6 Oct and 10-15 Dec, 2012	NCSTC- DST, Delhi	Prof. A. Raja, NISCAIR, DST Dr A Natarajan, Vigyan Prasar,
	National Seminar on the theme ‘Media in Nation-building, a Retrospective’, 30-31 Jan, 2013	ICSSR, Delhi	Prof. Niru Hazarika, Former Dean, HSS, Gauhati University,
Joya Chakraborty	FDP on participatory communication, 5-11 Aug, 2013	UNICEF	MCJ teachers of NE universities
	A consultative meet for training module development, 9-11 Aug, 2013	UNICEF	Various stakeholders of development
	3-day regional workshop on Participatory communication, 28-30 Oct, 2013.	UNICEF	Mr. Vasuki Belavadi University of Hyd. Mr. Debarun Dutta, Drishti Media, Ahmedabad
	4-day workshop on Development Journalism, 9-12 Dec, 2013	UNICEF	For Print and Electronic media professionals
	2-day workshop on Participatory techniques, 13-14 Dec, 2013.	UNICEF	For NGO professionals
Abhijit Bora	A 2-day consultation on C4D curriculum development for internal faculty members, 25-26 July, 2014	UNICEF	Prof.Sisir Basu Prof.V. Natarajan Prof. P. K. Jena Prof. S.K.Behera
	Workshop on Research	ICSSR, Delhi	Prof. Gita

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/resource person
	Methodology in Social Sciences, 24 Nov- 3 Dec, 2014.		Bamezai, IIMC, Delhi, Prof. Joydeep Baruah, OKDISCD, Guwahati Prof. A Nagaraj, Assam University, Dr Lion Koenig, JNU,
Joya Chakraborty	Training of Trainers programme on Facilitating Participatory Workshops, 23-28 Feb, 2015	UNICEF	NGO professionals and University faculty members.

31. Code of ethics for research followed by the departments

Yes, we do follow all guidelines of UGC, Tezpur University and those specifically asked for by funding agencies.

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
M. A. in Mass Communication and Journalism	191	10	26	NA	NA
Post Graduate Diploma in Mobile and Multimedia Communication	2	Nil	Nil		
2013-14					
M. A. in Mass Communication and Journalism	204	07	28	100%	100%
Post Graduate Diploma in Mobile and Multimedia Communication	10	01	02	100%	100%
2012-13					
M. A. in Mass Communication and Journalism	250	14	20	100%	100%
Post Graduate Diploma in Mobile and Multimedia Communication	9	1	5	100 %	100 %
2011-12					
M. A. in Mass Communication and Journalism	263	13	22	100 %	100 %
Post Graduate Diploma in Mobile and Multimedia Communication	12	1	2	100%	100%

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Ph. D (last 2 batches)	90 %	10 %	Nil	Nil
M. A. in MCJ (Batch of 2014 – 2016)	NA	100 %	5%	Nil
PG Diploma in Mobile and Multi- media Communication (2014-2015)	NA	Nil	Nil	Nil
M. A. in MCJ (Batch of 2013 – 2015)	NA	100 %	20%	Nil
PG Diploma in Mobile and Multi- media Communication (2013 – 2014)	NA	40%	60%	Nil
Ph.D	100%	Nil	Nil	Nil

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	No of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	4	05	6	5	4
NET LS	NA	NA	NA	NA	NA
GATE	NA	NA	NA	NA	NA
Civil Services	-	-	-	-	-
Engineering Services	NA	NA	NA	NA	NA
Defence services	-	-	-	-	-
Others (Specify)	5 (Indian Information Services, GroupB, JPR, Assam-5)	NA	NA	NA	NA

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Does not arise
PG to M.Phil.	-Do-
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	Nil
Employed	(Batch of 2013 – 2015)
• Campus selection	10
• Other than campus recruitment	75
Entrepreneurs	10

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	20%
from other universities within the State	25 %
from universities from other States	55 %
from universities outside the country	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph.D.	05
M. Phil	Does not arise
D.Sc.	Do
D. Litt.	Do

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	No	-
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	7 (4/40, 3/20)
d) Total number of class rooms with ICT	Yes	3 (40 each)
e) Students' laboratories	Yes	5 (Capacity: 20 Computers in print Lab, 8 in New Media & 5 in Non-Linear Edit Suite)
f) Research laboratories	No	-
g) Studio	Yes	1 (Audio Visual Studio)

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
7	Nil
Post-Doctoral	
Nil	Nil
Research Associates	
Nil	Nil

40. Number of post graduate students getting financial assistance from the university.
Nil**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Yes, market survey was done before launching PGDMMC programme

42. Does the department obtain feedback from

a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	Yes, For reformulating and updating the curriculum time to time
b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Yes, For reformulating and up-dating the curriculum and pedagogy time to time
c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	After detailed discussions by the faculty about suggestions offered by alumni and

	employers, those ideas are incorporated in the syllabus as far as possible. Further, individual faculty members have freedom to include latest developments in their respective fields/ courses.
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43. List of selected alumni of the department

Sl.No	Name	Programme and batch	Current position/ achievement (if any)
1	Ms Pushpanjali Haldar	MA MCJ 2012-14	Project Associate, NHAI
2	Ms Rimlee Bordoloi	Do	Do
3	Ms Sanghamitra Goswami	Do	Senior Reporter, The North-East Today, Guwahati
4	Mr Devojit Pegu	MA MCJ 2010-12	Reporter, The Eastern Chronicle, Guwahati
5	Ms Hayesha Ahmed	Do	Senior PR Executive, ITC Hotels, Bengaluru
6	Ms Bhaskar Kalita	Do	Senior Reporter, Dy365, TV News channel, Guwahati
7	Mr Shantanu Rowmuria	Do	Indian Information Service Group B, Gazetted
8	Ms Hiramoni Das	MA MCJ 2009-11	Do
9	Ms Mayrim Das	Do	Corporate Communications Executive, Guwahati
10	Ms Gurpreet Kaur Nongkinriyeh	Do	Do
11	Mr. Perosh Jimmy Daimari	MA MCJ 2005-07	Assistant Professor, Tezpur University
12	Ms. Anjuman Borah	MA MCJ 2003-05	Do
13	Ms. Simantik Dowerah	Do	Network 18 TV, Mumbai
14	Dr. Alfarid Hussain	MA MCJ 2002-04	Assistant Professor, Mass Communication Dept. Assam University, Silchar
15	Dr. Ayesha Tahera Rashid	Do	Do
16	Dr. Samar Kachari	Do	Assistant Professor, Mass Communication Dept., Pondicherry University, Puducherry
17	Ms. Niharika Buragohain	Do	Assistant Professor, Sikkim University (Central), Gangtok

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl No.	Programme details	Date/s	Name of Experts
1	Colloquium titled "Co-creating strategies with Broadcast Media on Facilitating Children's Voices in the Media"	6 Mar, 2011	Mr Vasuki Belavadi, Hyderabad University,
2	A workshop on Participatory Communication	28-30 Sept, 2012	Mr. Vasuki Belavadi, University of Hyderabad Mr. Debarun Dutta, Drishti Media, Ahmedabad
3	Assamese Films	February 2014.	Mr. Altaf Mazid, renowned Film Maker & Film Critic,

			Assam
4	Film Studies	3 May, 2014	Dr. Biren Das Sarma, Professor, Satyajit Ray Institute of Films & Television Studies
5	Lecture on Creativity in Higher Education	April, 2013	Sam Rufus, Freelance Consultant,
6	Distinguished Lecture Series at Tezpur University on Indian Foreign Policy	7 Nov, 2014	Mr Ratakonda Dayakar (Former Ambassador to Baghdad and Jordan) , Mayur Bihar, Phase I, Delhi
7	4-day workshop on Participatory techniques	15-18 Nov, 2014	Mr. Prabir Bose VIKALP Kriya, Mumbai
8	6-day workshop on Community Radio	19-24 Mar, 2015	Mr. Vasuki Belavadi, University of Hyderabad
9	2 day Workshop on Media in North East	26-27 Mar, 2015	Mr. Sushanta Talukdar, Chief, NE Correspondent - The Hindu, Guwahati
10	Lecture	30 March, 2015	Dr Dhrubajyoti Bora, Prsident, Asom sahitya Sabha, 2015-17, (Principal, Jorhat Medical College, Assam)
11	2 day workshop on Communication Research	6-7 April, 2015	Prof. Arul Aram, Anna University, Chennai
12	Public Relations Day celebration by Public Relations Society of India, Guwahati chapter	25 April, 2015	Chairman, general Secretary and other office bearers of the chapter
13	Convergent Journalism	27-28 Apr, 2015	Mr. Simantik Dowerah, Network 18 TV, Mumbai (Also an alumni of this dept.)

45. List the teaching methods adopted by the faculty for different programmes.

- a) Power Point Presentations
- b) Use of White Board
- c) Showing of film clippings
- d) Discussion / Interaction
- e) Participatory activities
- f) Classroom exercises
- g) Hands-on exercises
- h) Carry home assignments

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- a) Constant evaluation and feed back
- b) Through dialogue with students and stake holders
- c) Through experts and peer opinions from time to time

47. Highlight the participation of students and faculty in extension activities.

- a) The department teaches development communication as a core component of the

pedagogy and as such students are encouraged to interact with local communities in the adjoining areas of the university as well as with other tribal communities of the region in documenting their lives and cultures.

- b) As part of this, the department continuously organizes outreach programmes for communicating social messages through Puppetry and Street Theatre, with active participation of both students and faculty. Such activities are being organized annually since the inception of the department in 2001.
- c) The department is an ardent advocate of children's right to participate in mainstream media as articulated within the broader ambit of child rights and regularly organizes workshops and media visits for children from marginalized communities and facilitates representation of their voices in issues concerning them in mainstream media. The process was started in 2011 with 'Moina Parijat' children and has today grown to involve Adivasi as well as children from other marginalized sections of society.
- d) The department also engages the local communities in imparting to them audio-visual skills as a manifestation of their right to expression and encourages them to take up initiatives in participatory and community media. Such initiatives have been taken up as part of two UNICEF supported projects in 2012 and 2013.
- e) The faculty in the department also takes part in philanthropic activities from time to time like flood relief, environmental awareness etc.
- f) Department is in the process of getting a Community Radio licence very soon. Once received, it would open up a lot of opportunities for extension activities among the immediate community. Students have already produced some programmes with this purpose in mind.

48. Give details of "beyond syllabus scholarly activities" of the department.

- a) Competitions such as film festivals, film screenings and documentary production on local issues and regional issues.
- b) Summer and winter internships for undergraduate students of other universities and colleges every June / January,
- c) We invite eminent personalities / scholars from interdisciplinary subjects for lectures and interaction for benefit of both students and faculty members
- d) One extensive internship for interested students of MA MCJ course during vacations in addition to the one compulsory internship as part of the syllabus.
- e) Our students regularly participate in debates, other competitions related to the disciplines and win laurels at state as well as national levels.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The Department has been engaged in research to contribute theoretical and empirical knowledge in the field of communication and media studies. The Department has conducted number of workshops and seminars to provide in-service media professionals knowledge and skills on latest developments and trends. Faculty members and research scholars of the department are generating new knowledge about various media and communication issues specifically focused on the North-East and other emerging fields of study in general. Few of the issues at hand include – ICT and NER, Community Radio, Film Studies, media and children's participation among others.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1 Seventy-five percent of the faculties have doctorate degree while others are pursuing PhD with the major amount of work completed.
- 2 All faculty members represent diverse areas of specializations within the broad discipline
- 3 Department is well-endowed with faculty members present a multicultural background
- 4 Trained in modern methods/skills of their respective areas with industry experience
- 5 The Department is endowed with best of the infrastructure for media training and research within the region

Weaknesses

- 1 Lack of local media organizations operating to provide industry-academic exchange activities.
- 2 Less number of senior level faculty.
- 3 Less number of interdisciplinary and collaborative projects in the department
- 4 Absence of post-doctoral research among faculty members
- 5 Less number of major /minor research prospects from various agencies

Opportunities

- 1 Vast scope for community based communication.
- 2 Situated in strategic position in East Asia for Research collaborations.
- 3 Have potential for becoming important media studies institute in the region.
- 4 Can launch more programmes in the scenario of increasing media proliferation in the country
- 5 Scope to develop itself into a hub of human resources training/refresher courses for faculty of other communication studies departments/professionals in future

Challenges

- 1 To coordinate joint research activities.
- 2 Increase in research output.
- 3 Creating more industry-academia dialogue for more job opportunities in the media organizations of the region.
- 4 To generate funds on its own for sustained growth
- 5 Visibility and recognition in the national/international academic platform

52. Future plans of the department.

New Programmes

- 1 To launch an MA programme on Communication for Development

New research Initiatives

- 1 To launch collaborative research with overseas and other Indian Universities.

Others

- 1 To provide in-service training to media professionals and faculty members from Universities and colleges in the discipline
- 2 To provide media literacy training to school and college level students
- 3 To begin community radio broadcasting
- 4 To set up a Contemporary Communication Resource Centre (CCRC) for North-East level research and training activities with support from UNICEF
- 5 To become a knowledge-cum-research hub for the north-eastern region and gradually expand to the South-East Asian region

School of Humanities and Social Sciences

1. Name of the Department: Sociology

2. Year of establishment: 2006

3. Is the Department part of a School/Faculty of the university?

Yes, School of Humanities and Social Sciences

4. Names of programmes offered

S. No.	Name of Programme	Duration	Intake
1	M.A. in Sociology	2 yrs	35
2	Ph.D. in Sociology	3-6 yrs	variable

5. Interdisciplinary programmes and departments involved: nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programmes discontinued, if any, with reasons

Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments:

Courses/Programmes	Department/ School
Integrated B.A. B.Ed. (English)	English & Foreign Languages/ Humanities and Social Sciences
Integrated M.A. (English)	
Integrated B.Sc. B.Ed	Physics, Chemistry, Mathematics and MBBT (School of Sciences)
Integrated M.Sc.	

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	2	1	1
Associate Professor	3	2	2
Assistant Professor	5	6	6
Others	Professor of Eminence	1	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialisation	No. of Years of experience	No. of Ph.D students guided last 4 years
Chandan Kumar Sharma	M. Phil, PhD	Professor	Sociology of Development, Environmental Sociology, Social Movements, Identity Politics,	18	11 (2 awarded)

			Migration studies, Culture Studies, and Society and Politics of Northeastern India.		
Rabin Deka	M. Phil, PhD	Associate Professor	Sociological Theories, Sociology of Movement and Agrarian Sociology	19	3 (Continuing)
Kedilezo Kikhi	M. Phil, PhD	Associate Professor	Research Methodology, Gender and Society; Tribal studies and Sociology of North East India	12	6 (Continuing)
Amiya Kumar Das	M. Phil, PhD.	Assistant Professor	Sociology of Development, Research Methodology in Social Sciences, Sociology of Health and Illness, Sociology of Governance.	8	nil
Sumesh S.S.	M. Phil, PhD	Assistant Professor	Social Theory, Social Stigma and Social Exclusion, Research Method	9	4 (Continuing)
Nirmali Goswami	Ph.D.	Assistant Professor	Sociology of Education, Education Policy of India, Identity Politics, Multiculturalism, Sociology of Language, Community and Gender	5	nil
Sarmistha Das	M. Phil	Assistant Professor	Gender Studies and Sociology of North East India	4	nil
Subhadeepta Ray	M. Phil	Assistant Professor	Sociology of Science, Sociology of India, Sociological Theory, Sociology of Literature	2	nil

A. S. Shimreiwung	PhD	Assistant Professor	Sociology of Religion, Culture and Art, Tribal Studies, Orality and Colonial Photography	6	nil
M. A. Kalam	Ph.D.	Professor of Eminence	Migration, Identity Politics, Ethnicity, Environmental Society	35	nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Senior Visiting Fellow	1. Prof. Chandrashekhar Bhat, University of Hyderabad Professor of Eminence- 2010 January – 2013 May
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13. Percentage of classes taken by temporary faculty – programme-wise information: Nil

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
Programme 1 M.A. Sociology	64	9	7: 1
Ph.D.	19	4	5:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
UDC	01	01	01
MTS	01	01	01

16. Research thrust areas as recognized by major funding agencies

Research area	Funding Agency
<ul style="list-style-type: none"> • Migration, Social Conflict and Change • State, Citizenship and Identity • Indigenous Knowledge and Modernity 	UGC underSAP (Shortlisted, awaiting defense)

17. Number of faculty with ongoing projects from

- a) National agencies : 04
 b) International funding agencies : nil
 c) Total grants received : ₹ 43.94 lakhs

Names of the funding agencies, project title and grants received project-wise.
 (List of projects submitted in the enclosed format, Vol-II B)

18. Inter-institutional collaborative projects and associated grants received: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

20. Research facility / centre with state/national/international recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies Nil

22. Publications

Publication type	Year			
	2014-15	2013-14	2012-13	2011-12
*Number of Papers published in peer reviewed journals				
<i>National journals</i>	6	6	3	1
<i>International journals</i>	1	1	1	
<i>Regional</i>				
Conference Proceedings	1			
Books (with ISBN) & Monographs			1	1
Chapters in Books	12	6	6	3
Edited Books	1	1		
Important Translated work				
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	-			
Citation Index – range / average	-			
SNIP	-			
SJR	-			
Impact Factor – range / average	-			
h-index- range/average	-			

23. Details of patents and income generated: NA**24. Areas of consultancy and income generate**

Informal consultancy to NGOs such as Environ, UNICEF, Panos South Asia, Aranyak, Action Aid, etc in the region without monetary benefits.

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad: Nil**26. Faculty serving in**

a) National committees b) International committees c) Editorial Boards

d) Reviewer of reputed journals (e) any other (please specify)

Name	National and International committees	Editorial Boards	Reviewer	Others
Chandan K. Sharma		<ul style="list-style-type: none"> Editorial Advisory body of the <i>avantgarde</i> Assamese Journal AJIR SOMAJ 	5 journals <ul style="list-style-type: none"> Asian Ethnicity (T &F). Int. Journal of Rural Management (Sage) Environment Development and Sustainability (Springer) Sociological Bulletin (Journal of Indian Sociological Society) Routledge Publ. 	
Kedilezo Kikhi		<ul style="list-style-type: none"> Peer Review Member: <i>Research journal of</i> 		

		<i>MDKG.</i> • Advisory Board: <i>Journal on Frontier Studies.</i> • Honorary Member: Technical Review Board – <i>Dimorian Review</i>		
Nirmali Goswami	Executive Committee Member, CESI (2012-2014)			

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Programme and Organizer	Period
Goswami, Nirmali	UGC sponsored Orientation course, ASC, JNU	11 Oct- 8 Nov, 2013
Sumesh, S.S.	UGC sponsored Orientation course, ASC, University of Kerala.	29 Apr-27 May, 2014
Kikhi, Kedilezo; Das, Amiya K.; Sumesh, S.S; Goswami, Nirmali; Das, Sarmistha; Ray, Subhadepta & Shimreiwung, A.S.	Training-cum-Workshop on Statistical Package for Social Sciences (SPSS), Dept of Sociology, Tezpur University and sponsored by ICSSR NERC, Shillong	3-9 Nov, 2014
Das, Sarmistha	UGC sponsored orientation course, ASC, JNU	10 Nov-5 Dec, 2014
Das, Amiya Kumar	UGC sponsored orientation course, ASC, JNU	23 Feb-20 Mar, 2015

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
M.A. in Sociology	100

- percentage of students doing projects in collaboration with other universities / industry / institute

Nil

28 A. Internship for students of outside institutes

Year	No of students	Participating institutes	Sponsoring agencies
2014-15	5	Delhi University; Women's University, Dhaka: Bangladesh	TU
2013-14	5	Delhi University	TU
2012-13	Nil	-----	----
2011-12	Nil	-----	----

29. Awards / recognitions received at the national and international level by

- Faculty: Nil
- Doctoral / post doctoral fellows : Nil
- Students: Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/eminant participants, if any.

Name of Faculty coordinator	Seminar/Conferences/workshops organized(National/International)	Source of funding	Eminent Participant/ resource person
Amiya Kumar Das	National Seminar on <i>Culture and development in Northeast India</i> 3-4 Mar, 2011	ICSSR, NESRC, Shillong	<ul style="list-style-type: none"> • Prof. (Rtd.)M. N. Karna, NEHU • Prof. Bhupen Sarma, OKDISCD, Guwahati
Sumesh S.S	All India Young Social Scientists' Workshop on <i>Emerging Trends in Social Science Research and Methodological Challenges</i> in collab. with Indian Sociological Society, New Delhi. 10-11 Oct, 2011	RGNIYD Chennai, ICSSR NERC Shillong, & TU	<ul style="list-style-type: none"> • Prof. N. Jayaram, TISS, Mumbai • Prof Tulsi Patel, Delhi University • Prof V. Xaxa, TISS Guwahati • Prof V. Sujatha, JNU
Kedilezo Kikhi	Workshop on <i>Research Methodology for University/ College Teachers & Researchers</i> In collaboration with OKDISCD: Guwahati 30 Jan-5 Feb, 2012	ICSSR NER	<ul style="list-style-type: none"> • Dr. Joydeep Baruah, OKDISCD, Guwahati
Amiya Kumar Das & C.K. Sharma	National seminar on Religion and Society in modern times in collaboration with Delhi School of Economics. 22-23 Feb, 2012	Delhi School of Economics	<ul style="list-style-type: none"> • Prof. J.P.S. Oberoi • Prof. Susan Visvanathan
Kedilezo Kikhi	National Seminar on <i>Identity, Territoriality and Autonomy</i> , organized in collaboration with OKD Institute for Social Change and Development, Guwahati 1-2 Mar, 2012	ICSSR NER	<ul style="list-style-type: none"> • Dr. Bhupen Sarma. OKDISCD: Guwahati • Dr. Abraham Lotha, Principal, St. Joseph's College, Jakhama
Sarmistha Das	Colloquium on <i>Women's Movement in Northeast India</i> 26-27 Mar, 2012	RGNIYD, Chennai	<ul style="list-style-type: none"> • Dr. Arupa Patangia, Pandu College
Sumesh S.S.	<i>Curriculum Workshop</i> for 5 Year Integrated M.A in Sociology 7-8 Dec, 2012	Tezpur University	<ul style="list-style-type: none"> • Prof. Kushal Deb, IIT Bombay
Chandan Kumar Sharma	<i>A Dialogue on Foothill Border Conflict in NE India</i> in collab. with PAJHRA (Tezpur) 18-19 Dec, 2012	Action Aid, Guwahati	<ul style="list-style-type: none"> • Dr. Xonjai Borbora, TISS Guwahati
Kedilezo Kikhi Amiya K. Das	National Seminar on <i>Interrogating Indigeneity, Citizenship and the State: Perspectives from India's</i>	M/o Home Affairs, GOI; ICSSR, New	<ul style="list-style-type: none"> • Prof. Udayan Misra, National Fellow, IIAS, Shimla

Name of Faculty coordinator	Seminar/Conferences/workshops organized(National/International)	Source of funding	Eminent Participant/ resource person
	<i>Northeast</i> in collaboration with ICSSR NERC, Shillong, 7-9 Mar, 2013	Delhi	<ul style="list-style-type: none"> • Prof. A.C. Sinha, ICSSR Fellow
Kedilezo Kikhi Amiya K. Das	<i>National Level Training-Cum-Workshop on Research Methodology in the Social Sciences</i> in collaboration with Society for Social Research, New Delhi, 11-17 Mar, 2013	ICSSR, New Delhi.	<ul style="list-style-type: none"> • Dr. Rabindra Ray, Delhi University
Kedilezo Kikhi, Amiya K. Das Sarmistha Das	National Seminar on <i>Social and Economic Status of the Marginalized Communities in Brahmaputra Valley with Special Reference to SC Group</i> 27-28 Sept, 2013	ICSSR	<ul style="list-style-type: none"> • G. Aloysius, Indep. Researcher & Activist • Prof. N.K. Das, Anthropological Survey of India
Kedilezo Kikhi	<i>Executive Programme on Evaluation Methods</i> 13-17 Feb, 2014	UNICEF, OKDI SCD, Govt of Assam, Dept of Sociology, TU	<ul style="list-style-type: none"> • Dr. Soumen Ray, Planning, Monitoring & Evaluation Officer, UNICEF
Sarmistha Das	National Seminar on <i>The Practice of Everyday Life in Northeast India: An Interdisciplinary Approach</i> in collab. with Dept of English & Foreign Languages. 14-15 Mar, 2014	ICSSR NERC, Shillong.	<ul style="list-style-type: none"> • Prof. Pramod Nayar, University of Hyd.
Kedilezo Kikhi	Training-Cum-Workshop on <i>Statistical Package for Social Sciences (SPSS)</i> 3-9 Nov, 2014	ICSSR, NE Regional Centre, Shillong.	<ul style="list-style-type: none"> • Prof N. P. Goel, NEHU, Shillong • Dr. Saurav Agarwal, IIT, Kanpur
Chandan K. Sharma Sumesh S. S.	7 th Biennial International Conf. of Indian Association for Asian and Pacific Studies, 20-22 Dec, 2014	ICSSR, Maulana Abul Kalam Inst. of Asian Studies, Kolkata.	<ul style="list-style-type: none"> • Prof. Prasenjit Duwara, National Univ. of Singapore
Kedilezo Kikhi, Amiya K. Das, A.S. Shimreiwung	2-day Colloquium on <i>Conflict Management and Peace Initiatives in Northeast India</i> in Collab. with Don Bosco Socio-Technical Institute, Tezpur. 13-14 Feb, 2015	OIL, Rotary Int. Impulse NGO Network, Shillong & TU	<ul style="list-style-type: none"> • Mr. Rajiv Bora, Addl. Chief Secy, GOA • Mr. Krishan Verma, Observer Research Foundation, Kolkata
Chandan	International Seminar on <i>Shared</i>	Maulana	<ul style="list-style-type: none"> • Prof. Nayan

Name of Faculty coordinator	Seminar/Conferences/workshops organized(National/International)	Source of funding	Eminent Participant/ resource person
Kumar Sharma	<i>Rivers in South Asia: Challenges & Prospects in Lower Riparian Areas</i> 16-17 Mar, 2015	Abul Kalam Institute of Asian Studies, Kolkata	Sharma, Water Resource Development & Management, IIT-R • Tariq Karim, High Commissioner, Bangladesh

31. Code of ethics for research followed by the departments

Department follows the University research ethic committee's guideline while conducting the research. Research involving human subjects is conducted in accordance with the principle of informed consent, cultural sensitivity and confidentiality. In this connection the department considers the following six key principles of ethical research are used as guidelines:

- Research should be designed, reviewed and undertaken to ensure integrity, quality and transparency.
- Research staff and participants must normally be informed fully about the purpose, methods and intended possible uses of the research, what their participation in the research entails and what risks, if any, are involved.
- The confidentiality of information supplied by research participants and the anonymity of respondents must be respected.
- Research participants must take part voluntarily, free from any coercion.
- Harm to research participants and researchers must be avoided in all instances.
- The independence of research must be clear, and any conflicts of interest or partiality must be explicit.

32. Student profile programme-wise

Name of the Programme (refer to item 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2015-16					
MA Sociology	627	14	20	-	-
PhD 2015 Autumn	56	0	2	-	-
2014-15					
MA Sociology	611	4	31	100%	100%
PhD 2015 Spring	40	1	0	-	-
PhD 2014 Autumn	29	1	1	-	-
PhD 2014 Spring	69	0	0	-	-
2013-14					
MA Sociology	457	5	32	100%	100%
PhD Spring	42	1	3	-	-
PhD Autumn	41	1	1	-	-
2012-13					
MA in Sociology	322	2	33	100%	100%

Name of the Programme (refer to item 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2015-16					
MA Sociology	627	14	20	-	-
PhD 2015 Autumn	56	0	2	-	-
PhD Spring	35	1	2	-	-
PhD Autumn	34	0	0	-	-
2011-12					
MA in Sociology	264	8	25	100%	100%
PhD Spring	31	0	0	-	-
PhD Autumn	16	1	2	-	-

33. Diversity of students

Name of the Programme (refer to item 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA Sociology 2011-13	-----	87.50 % (28 out of 32)	12.50 % (4 out of 32)	-----
MA Sociology 2013-15	-----	66.00 % (22 out of 33)	33.00 % (11 out of 33)	-----
MA Sociology 2014-16	-----	73 % (24 out of 30)	27 % (6 out of 30)	-----
MA Sociology 2015-17	-----	81% (26 out of 32)	19% (6 out of 32)	-----

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	No of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	4	4	2	1	1
NET LS	17	10	11	3	1
GATE	na	na	na	na	na
Civil Services	-	1			
Engineering Services	na	na	na	na	na
Defence services					
Others (Specify)					

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	15 *
PG to Ph.D.	6
Ph.D. to Post-Doctoral	0
Employed	

Student progression	Percentage against enrolled
• Campus selection	4
• Other than campus recruitment	60
Entrepreneurs	4

* In other Institutes/Universities

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	
from other universities within the State	10 %
from universities from other States	90 %
from universities outside the country	

37. Number of faculty who were awarded M. Phil., Ph. D., D. Sc. and D. Litt. during the assessment period

Degree	Number
Ph.D.	3
M. Phil	1
D.Sc.	Nil
D. Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	Yes	1/(185 volumes)
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	5/190
d) Total number of class rooms with ICT	Yes	2/130
e) Students' laboratories	No	-
f) Research laboratories	No	-
g) Archive/Museum/ Studio	No	-

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
12	8
Post-Doctoral	
Nil	Nil
Research Associates	
2	

40. Number of post graduate students getting financial assistance from the university.

Programme	Number
M.A. Sociology 2013-15	-----
M.A. Sociology 2012-14	2

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

With the proposed 5 year Integrated MA Programme in Sociology, the department undertook a need assessment exercise involving various stakeholders, viz. the experts in the concerned domain, teachers, the students to understand their expectations from such a programme. A review of the existing programmes of similar kind in the country was also done.

42. Does the department obtain feedback from?

(a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	Yes. The feedback is discussed in departmental faculty meeting and necessary modifications will be incorporated for improving the quality in transacting the curriculum.
(b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Yes. Feedbacks on all courses are sought from the students as per the format provided by the University. They are discussed in the faculty meeting and the suggestions from the students are incorporated wherever possible and relevant.
(c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	Yes. The feedback is used to improve the curriculum

43. List of selected alumni of the department

Sl. No.	Name	Programme and batch	Current position/ achievement (if any)
1	Partha Pratim Borah	M. A	Assistant Professor, Dept. of Sociology, Dibrugarh University
2	Kritanjali Jaiswal,	M. A	Asst. Professor, GIMT, Guwahati
3	Lakhya Jyoti Das,	M. A	Founder, ADHAR (NGO)
4	Kamal Kishore Hazarika,	M. A	Project Officer, NAACO-NERC
5	Parna Chakraborty,	M. A	Project Director, EXCITE-BIHAR
6	Jonali Sharma,	M. A	Project Officer, Green Peace, Pune
7	Kuheli Das	M. A	Assistant Professor, Dept. of Sociology, Dibrugarh University
8	Dola Borkataki	M. A	Assistant Professor, Dept. of Sociology, KKHSOU
9	Pushpanjali Sharma,	M. A	Project Officer, SIRD, Assam.
10	Mishik Sharma	M. A	Azim Premji Foundation

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl. No.	Programme details	Date/s	Name of Experts
2014			
1	ICSSR Public Lecture series TALK ON 'Indian Democracy and the Reconstitution of Dalit Self: Contemporary Dalit Writings'	17 Oct, 2014	Prof. Valerian Rodrigues, Jawaharlal Nehru University, New Delhi.
2	Human Vista Series invited talk on Discourse on Nation and State in Northeast India'	18 Nov, 2014	Prof. M.N. Karna Former Director, A.N. Sinha Inst. of Social Studies, Patna
3	REACHING OUT INDIA BEYOND INDIA: Emerging globalization, diaspora and policy initiatives'	21 Nov, 2014	Prof. Chandrashekhar Bhat, Founder – Director, Centre for the Study of Indian Diaspora, Univ. of Hyd.
4	“Longitudes and Latitudes:	21 Mar, 2014	Prof. Stig Toft Madsen, Nordic

	Aspects of Culinary and Kinship patterns from North to South, and Northeast to Northwest		Institute of Asian Studies, Copenhagen, Denmark
5	Development Experiences in Latin America and South East Asia	30 Apr, 2014	Dr. Sondra Wentzel, Senior Consultant with German Federal Enterprise for International Cooperation.
6	Social Science research and ICSSR: Challenges & Opportunities	2 Sept, 2014	Dr. C.J. Thomas, Director, ICSSR North Eastern Regional Centre, Shillong
7	An Enquiry into the Life-style of Jarawa community, a Palaeolithic Population of Andaman Islands	19 Sept, 2014	Dr. Pramod Kumar, Dept. of English & Foreign Languages, Tezpur University
2013			
1	Sociology of Religion in the West	21 Nov, 2013	Prof. Ake Sander, University of Gothenburg, Sweden
2	Social Formation in Eastern Himalayas in 1940s: A Story of Sikkim and India	13 Nov, 2013	Prof. A.C. Sinha, ICSSR National Fellow
3	Interactive session	25 Oct, 2013	Prof. Andre Beteille, Professor emeritus, University of Delhi
4	Nation and nationalism in India	26 Sept, 2013	G Aloysius, Independent Scholar and Activist
5	Impact of Agrarian crisis on women: Research findings from Punjab	25 Sept, 2013	Ranjana Padhi, an independent writer and activist
6	Undoing the Disengagements Surrounding Food Security Bill	23 Sept, 2013	Dr. Rajshree Bedamatta, Assistant Professor, Department of Humanities and Social Sciences, IIT Guwahati
7	Satra Institution in Assam: Past and Present; on Tuesday	27 Aug, 2013.	Dr. Dambarudhar Nath, Former Professor, SrimantaSankardeva Chair, Centre for Assamese Studies, Tezpur University
8	Fieldwork at Home, Fieldwork Abroad: Cross-cultural Perspectives, Learning, and Conditioning” on Wednesday	14 Aug, 2013	Prof M A Kalam, Professor, Department of Sociology, Tezpur University
2012			
1	Joint panel discussion with Azim Premji University, on “Youth and Social Change: Challenges and Opportunities in the Social Sector”	8 Oct, 2012	Sankar Dutta & Reshmi Mitra, APU, banglore. C.K. Sharma & K. Kikhi, T.U

45. List the teaching methods adopted by the faculty for different programmes.

A variety of methods are employed by the teachers for Masters Programme as well as the PhD course work. For Masters Programme, lecture is the dominant mode of teaching supplemented by discussion, individual seminar presentations, group presentations, role play, written assignments of term papers / reviews, etc. Apart from the regular class hours there are Film/Documentary screening followed by discussion on every Wednesday and

students' seminar on every Monday. They also have to do field work for the one year project and other courses like research methodology, Social demography, etc. The course work for Ph.D. programme is conducted in the seminar format where discussion and debates are given more prominence.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The department strictly adheres to the academic calendar of the University and evaluations are done according to the University directive from time to time.

47. Highlight the participation of students and faculty in extension activities.

The students and faculty in the department are actively involved in extension activities outside the University in collaboration with the nearby NGOs, National Service Scheme, Chandraprabha Saikini Centre for Women Studies and Equal opportunity Cell of Tezpur University.

48. Give details of "beyond syllabus scholarly activities" of the department.

- i) Faculty Research Seminar every fortnight
- ii) Student Seminar – every Monday
- iii) Film / Documentary Screening- every Wednesday
- iv) Organisation of Seminars/Workshops/Colloquium
- v) Participation in Seminars/Workshops/Colloquium

49. State whether the programme/ department is accredited/ graded by other agencies?

If yes, give details: No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- i) The research in the department has contributed to the expansion of sociological knowledge by way of faculty researches, research scholars' work and student projects.
- ii) Generating discussions and debate on the contemporary social issues of this region by organising periodic seminars, conferences, colloquium and publishing through popular media as well as academic journals or books.
- iii) Contextualizing the theoretical discourse elsewhere to the local context.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1 Faculty from diverse regional and cultural background
- 2 Faculty trained at different institutions across and outside the country with diverse research interests
- 3 Learner centered curriculum with diverse teaching methods
- 4 Spirit of Teamwork
- 5 Personal attention to the students with provision of remedial classes

Weaknesses

- 1 Research funding have to be augmented
- 2 Students are mainly from the region only and particularly from Assam
- 3 Extension and outreach programmes have to be strengthened
- 4 Faculty strength (numbers) needs to be increased

- 5 Academic engagement with other basic social science disciplines in the University is limited

Opportunities

- 1 Scope for wide range of social science research in North East
- 2 Ideal location to have centre for study of South and South Asian Studies
- 3 Scope for extension activities by connecting class room to community
- 4 Scope for National and International collaborations
- 5 Scope for introducing Trans-disciplinary courses

Challenges

- 1 Bridging the global-local divide
- 2 Bringing the industry–academia interaction
- 3 Accommodating the increasing demand for sociology courses from the region
- 4 Attracting students from outside the region
- 5 Attracting students from the low socio-economic background

52. Future plans of the department.**New Programmes**

1. 5 Year Integrated M.A. Programme in Sociology

New research Initiatives

1. Migration, Social Conflict and Change
2. State, Citizenship and Identity
3. Indigenous Knowledge and Modernity (UGC SAP- Shortlisted)

School of Humanities & Social Sciences

1. Name of the Department: Education

2. Year of establishment: 2014

3. Is the Department part of a School/Faculty of the university?

Yes, School of Humanities and Social Sciences

4. Names of programmes offered

SN	Name of Programme	Duration	Intake
1	M. A. (Education)	2 Years	35
2	Ph.D (Education)	4 Years	variable

5. Interdisciplinary programmes and departments involved: Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

7. Details of programmes discontinued, if any, with reasons: Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Course	Offered under Department/ School
Integrated B.Sc. B.Ed.	Mathematical Sciences, Physics, Chemical Sciences (School of Sciences)
Integrated B.A. B.Ed. (English Major)	English and Foreign Languages (School of Humanities and Social Sciences)

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (incl CAS & MPS)
Professor	2	0	
Associate Professor	2	1	1
Assistant Professor	8	5	5
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph. D students guided last 4 years
Anjali Sharma	M. Sc., M. Ed., Ph. D.	Associate Professor	Educational administration, Planning & Financing, Curriculum Development.	16	nil

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph. D students guided last 4 years
Yeasmin Sultana	M.A., M. Ed., Ph. D.	Assistant Professor	Language Education, Research Methodology in Education	1	nil
R. D. Padmavathy	M.Sc., M.Sc., M.Ed., Ph.D.	Assistant Professor	Pedagogy of Maths Education, Educational Psychology, Cognitive Science, Educational Technology, E-content Development, Research Methodology & Statistics in Education, Guidance & counselling, Environmental Education, Adult & Continuing Education	3	nil
Hitesh Sharma	M.Sc., M.A., M.Ed., Ph. D. (Edu)	Assistant Professor	Teaching methodology in Physical and Biological Science, Educational Psychology, ICT in Education, Educational Administration, Guidance & counselling, Early Childhood Education	9	nil
Sashapra Chakrawarty	M.Sc., M.Ed., Ph. D.	Assistant Professor	Pedagogy of Biological Science, educational psychology, teacher education, elementary education, special education, guidance & counselling.	3	nil
Pratima Pallai	M.A., M.Ed., Ph. D.	Assistant Professor	Pedagogy of Social Science, Educational psychology, ICT in Education, Guidance and counselling, measurement and evaluation	3	nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Senior Visiting Fellow	2014-15 <ul style="list-style-type: none"> ➤ Prof. Subhrato Saha, Department of Education, Rabindra Bharti University, Kolkata, West Bengal. ➤ Prof. R.K. Mohanty, Rtd. Principal, +2 Sciences College Bhubneshwar, Orissa. ➤ Prof. Shrawan Kejariwal, Group of Adult Education, School of Social Sciences, JNU, Delhi. ➤ Prof. Buno Liegise Dean Department of Education, Nagaland University. ➤ Prof N.N.Pandey, Head, Department of Education, Assam University, Silchar, Assam.
	2015-16 <ul style="list-style-type: none"> ➤ Professor Chris Atkin, Head, Department of Educational Development and Research, Bishop Grosseteste University, U.K. ➤ Prof. Santosh Panda, Chairperson, National Council for Teacher Education (NCTE)

13. Percentage of classes taken by temporary faculty – programme-wise information: Nil**14. Programme-wise Student Teacher Ratio**

Programme	No of students	No of teachers	Ratio
Integrated B.Sc. B.Ed.	7	6	1:1
Integrated B.A. B.Ed.	14	6	2:1
MA in Education	35	6	6:1
Ph.D. (Education)	01		

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
LDC	1	1	1
MTS	1	1	1

16. Research thrust areas as recognized by major funding agencies

Teaching and Learning, Innovative Pedagogical Skills, Action Research, E-Content, Gender issues, Assessment and Evaluation

17. Number of faculty with ongoing projects from: Nil

a) National agencies:

b) International funding agencies:

c) Total grants received:

Names of the funding agencies, project title and grants received project-wise.

18. Inter-institutional collaborative projects and associated grants received:

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

MHRD has approved one Teaching Learning Centre under the Scheme Pandit Madan Mohan Malviya National Mission on Teachers and Teaching with a finance approval of rupees 2.52 crore for this financial year.

20. Research facility / centre with state/national/international recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications

Publication type	*Year			
	2014-15	2013-14	2012-13	2011-12
Number of Papers published in peer reviewed journals				
<i>National journals</i>	9	-	-	-
<i>International journals</i>	1	-	-	-
<i>Regional</i>	-	-	-	-
Conference Proceedings	2	-	-	-
Books (with ISBN) & Monographs	1	-	-	-
Chapters in Books	2	-	-	-
Edited Books	-	-	-	-
Important Translated work	-	-	-	-
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)				
Citation Index – range / average				
SNIP				
SJR				
Impact Factor – range / average				
h-index- range/average				

*Department start year 2014

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generate: Nil

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad: Nil

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards

d) Reviewer of reputed journals (e) any other (please specify): Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Programme and Organiser	Period
Anjali Sharma	Participated in National Orientation Workshop: Swami Vivekananda and Teacher Education Organized By National Council for Teacher Education, New Delhi on at	1-3 Aug, 2015

	IDOL, Guwahati University	
	Participated in Curriculum Framework Workshop: Developing Two year M. Ed. Syllabus organized by National council for Teacher Education, New Delhi on at IDOL, Guwahati University	15-16 May 2015
	Orientation Workshop on Teacher Education Regulation 2014, Norms and Standards, and New Curriculum Frameworks Organized by NCTE and Guwahati University at Guwahati University.	18-19 Feb, 2015
	Training-cum- Workshop on SPSS Organized by Indian Council of Social sciences Research, North- eastern Regional Centre and Dept. of Sociology, TU	3-9 Nov, 2015
R.D.Padmavathy	Attended Three-days workshop on “Drafting curriculum for 2-Year B.Ed. and 2-Year M.Ed. Programmes organized by School of Education, Pondicherry University from	6-8 July, 2015
	Attended workshop International workshop on “Art of doing good research and publishing”, organized by Bharathidasan University and SAM Houston State University, USA on	4 July, 2015
	Attended 3-day workshop in “Philosophy, Culture, Community, Democracy and Politics organized by Dept. of Cultural Studies, TU	23-25 April, 2015.
	Workshop on research methodology in social sciences, organized by Department of Mass Comm. & Journalism ,TU	24 Nov to 3 Dec 2014
	Induction cum Orientation Programme on Professional Qualities in Education conducted by Tezpur University	20-21 April, 2015.
Hitesh Sharma	NCTE Orientation Workshop on Regulation, Norms and Standards, and New Curriculum Frameworks 2014 dated at Department of Education & IODL, Guwahati University, Guwahati	18-19 Feb, 2015
	10-day Course in Research Methodology in Social Sciences organized by Mass Communication and Journalism Department, Tezpur University	24 Nov to 3 Dec, 2014
	Regional Training program cum workshop on shodh Ganga and Anti-plagiarism software organized by Central Library, Tezpur University in association INFLIBNET Centre, Gandhinagar	28 Nov, 2014
Sashapra Chakrawarty	Workshop of Research Methodology in Social Sciences, Tezpur University, Assam	24 Nov to 3 Dec, 2014
Pratima Pallai	A 10 Day Research Methodology Workshop Sponsored by ICSSR, Delhi, organized by MCJ Dept, Tezpur University	24 Nov to 3 Dec, 2014

28. Student projects

- percentage of students who have done in-house projects including inter-

departmental projects: Nil (Programme started in 2015 only)

- percentage of students doing projects in collaboration with other universities / industry / institute: Does not arise

28A. Internship for students of outside institutes: Nil

29. Awards / recognitions received at the national and international level by

- Faculty:** Nil
- Doctoral / post doctoral fellows:** Nil
- Students:** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/eminent participants, if any.

Nil

31. Code of ethics for research followed by the departments

University policy/guidelines is followed with a strict no to plagiarism.

32. Student profile programme-wise

*Department started in August, 2015, admitting students wef July, 2015

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2015-16					
MA (Education)	530	4	31	-	-
Integrated B.Sc. B.Ed.		9	4	-	-
Integrated B.A. B.Ed.		3	9	-	-
2014-15					
Integrated B.Sc. B.Ed.	559	8	7	-	-
Integrated B.A. B.Ed.	229	2	5	-	-

33. Diversity of students

Department started in August, 2015, admitting students wef July, 2015

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA Education	0	100%	0	0
Ph. D.	0	0	0	100%

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.: NA

35. Student progression: NA

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	0%

from other universities within the State	0%
from universities from other States	100 %
from universities outside the country	0%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph.D.	04*
M. Phil	nil
D.Sc.	nil
D. Litt.	nil

*all prior to joining TU

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	Yes	1/(100 Books)
b) Internet facilities for staff and students	Yes	For All
c) Total number of class rooms	Yes	03/105
d) Total number of class rooms with ICT	Yes	03/105
e) Students' laboratories	Yes	04/35
f) Research laboratories	Yes	01/35
g) Seminar conference Room	Yes	02/100
h) Archive/Museum/ Studio	No	-

39. List of doctoral, post-doctoral students and Research Associates: Nil

40. Number of post graduate students getting financial assistance from the university. : Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, demand and supply analysis

42. Does the department obtain feedback from

(a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	NA
(b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	NA
(c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	NA

43. List the distinguished alumni of the department: NA

44. Give details of student enrichment programmes (special lectures / workshops/ seminar) involving external experts. : Nil

45. List the teaching methods adopted by the faculty for different programmes.

- a) Team teaching
- b) Collaborative learning

- c) Individualized instruction
- d) Role Play
- e) Demonstration
- f) Lecture cum discussion
- g) E-learning
- h) Tutorial
- i) Take home assignment

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Achievement in the Class Test, Mid-term Exam and various presentations made by students and participation in other activities.

47. Highlight the participation of students and faculty in extension activities.

- Delivered talks at In-service teacher training workshops in Don Bosco Social-Technical Institute, Tezpur February, 2015 by faculty members
- Participated and shared views with school teachers on Methods of teaching mathematics in the present context conducted on St .Joseph higher secondary school, Tezpur Organized by outreach programme committee, Tezpur University
- Delivered lectures in workshop on curriculum orientation for Hindi teachers by faculty members
- Delivered lecture in workshop on pedagogical issues: gender by faculty members at Women Studies Centre, TU.
- Delivered a lecture as a resource person in national seminar on E- learning at DR College Golaghat, Assam
- Delivered a lecture as a resource person in an international seminar on knowledge exchange path collaboration among universities, industries, educational institution and society: bridging the outcome-impact gap at Tamil Nadu Teacher Education University Chennai.
- Delivered a lecture as a resource person on Modern challenges faced by school teachers in the present society, at St. Joseph higher secondary school, Tezpur, organized by TU outreach programme, 2015.

48. Give details of “beyond syllabus scholarly activities” of the department.

NSS-2 students, NCC-1 students, ALUMNI MEET-all students

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Curriculum development

- Syllabus formation for Integrated B.Sc. /B.A. B.Ed. Programme
- Syllabus formation for M.A. in Education
- Syllabus formation for Two year B.Ed. Programme
- Syllabus formation for B.A. Education (CODL)
- Syllabus formation CBCT: Educational Management, Value Education, Right to Education

- Syllabus formation for CBCS foundation course on Professionalism in Teacher Education

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1 Highly qualified dynamic faculties
- 2 Good infrastructure and strong technological and instructional student support
- 3 Advanced laboratories
- 4 Comprehensive and updated curriculum
- 5 Selection of meritorious students

Weaknesses

- 1 Research grants
- 2 Research guide
- 3 Sponsored projects
- 4 Placement services to students
- 5 Less scope for industry academic interface

Opportunities

- 1 Start new teacher education programs
- 2 Effective community services learning program
- 3 Inservice teacher support services
- 4 Capacity building programs for teachers and school administrators
- 5 Organization of sponsored seminar, workshop and orientation programs

Challenges

- 1 Production of competent and good teachers
- 2 Sponsorship of research projects
- 3 Development of effective community services
- 4 International collaboration with department of education
- 5 Organize faculty recharge programs for University teachers

52. Future plans of the department.

New Programmes

- 2 Year B.Ed.
- 3 Year Integrated B. Ed. M. Ed.
- 2 Year M. Ed.

New research initiatives

UGC-SAP, Research projects, IASE (Institute of Advanced Studies in Education)

Expansion plan

School of Education from Department of Education seeking Human Resource Centre and UGC Research Projects

School of Humanities and Social Sciences

1. Name of the Department: Social Work

2. Year of establishment: 2014

3. Is the Department part of a School/Faculty of the university?

Yes, School of Humanities and Social Sciences

4. Names of programmes offered

SN	Name of Programme	Duration	Intake
1	M. A. Social Work	2 Years	15

5. Interdisciplinary programmes and departments involved: Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc: Nil

7. Details of programmes discontinued, if any, with reasons: Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Course	Offered under department/school	
Education Management	Department of Education	School of Humanities & Social Sciences
Environmental Sociology	Department of Sociology	
Basics in Cultural theory	Department of Cultural Studies	

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	F-filled	Actual (including CAS/MPS)
Professor	-	-	-
Associate Professor	-	-	-
Assistant Professor	3	3	-
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	*No. of Years of Exp	No. of Ph.D students guided last 4 years
Apurba Kumar Saha	M. Phil, Ph. D.	Assistant Professor	Psychiatric Social work	2	nil
Veda Yumnam	M.S.W. M. Phil	Assistant Professor	Public Health, Nutrition and Conflict studies	1	nil
Rajesh Kalarivayil	M.S.W. M. Phil	Assistant Professor	Urban and Rural Community Development, Science Policy	<1	nil

Name	Qualification	Designation	Specialization	*No. of Years of Exp	No. of Ph.D students guided last 4 years
			Studies		
Smitha S. Nair	M.S.W. M.Phil.	Guest Faculty	Gender, Health, Social Movements	<1	nil
Deepshika Carpenter	M.S.W	Assistant Professor (Contractual)	Women's Studies, Social Work Education and Research, Disability, Crime and Violence	<1	nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	%
M. A. in Social Work	20

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
Programme 1	30	6	5:1
Ph.D.	NA	NA	NA
All departmental programmes (excluding Ph.D.)	30	6	5:1
All departmental programmes (Including Ph.D.)	NA	NA	NA

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
L. D. Assistant	01	01	01

16. Research thrust areas as recognized by major funding agencies: NA

17. Number of faculty with ongoing projects from: Nil

a) National agencies:

b) International funding agencies:

c) Total grants received:

Names of the funding agencies, project title and grants received project-wise.

18. Inter-institutional collaborative projects and associated grants received: Nil

a) National collaboration b) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

20. Research facility / centre with state/national/international recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications

Publication type	Year			
	2014-15	2013-14	*2012-13	*2011-12
*Number of Papers published in peer reviewed journals				
<i>National journals</i>	2	nil	nil	2
<i>International journals</i>	1	nil	nil	nil
<i>Regional</i>	nil	nil	nil	1
Conference Proceedings	nil	nil	nil	nil
Books (with ISBN) & Monographs	nil	nil	nil	nil
Chapters in Books	3	2	1	nil
Edited Books	nil	nil	nil	nil
Important Translated work	nil	nil	nil	nil
Number listed in International Database (e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)	-			
Citation Index – range / average	-			
SNIP	-			
SJR	-			
Impact Factor – range / average	-			
h-index- range/average	-			

*authorship during earlier affiliations and not with this department

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generate: Nil

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad: Nil

26. Faculty serving in: Nil

- a) National committees b) International committees c) Editorial Boards
d) Reviewer of reputed journals e) any other (please specify)

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): Nil

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: NA
- percentage of students doing projects in collaboration with other universities / industry / institute: NA

Year	No of students	Participating institutes	Sponsoring agencies
2014-15	14	Snehalaya; Guwahati, Ashadeep; Guwahati, North East Diocesan Social Forum; Guwahati, Kalyani Niwas Shelter Home; Guwahati, Navaprabhath Orphanage; Tezpur, NESPYM; Guwahati, Hopeline; Jorhat, NEADS ; Jorhat	-

29. Awards / recognitions received at the national and international level by

- Faculty:** Nil
- Doctoral / post doctoral fellows:** Nil

- **Students:** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/ eminent participants, if any: Nil

31. Code of ethics for research followed by the departments

Code of ethics laid down by the University

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
M.A. in Social Work	330	3	11	NA	NA

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A. Social Work (2014-15 batch)	0	86%	14%	0

34. How many students have cleared Civil Services, Defense Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. (details, wherever possible should be kept) : NA

35. Student progression: NA

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	0 %
from other universities within the State	16 %
from universities from other States	84 %
from universities outside the country	0 %

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	No	-
b) Internet facilities for staff and students	No	-
c) Total number of class rooms	Yes	1/20
d) Total number of class rooms with ICT	Yes	1/20
e) Students' laboratories	No	-
f) Research laboratories	NA	-
g) Archive/Museum/ Studio	NA	-

39. List of doctoral, post-doctoral students and Research Associates: NA

40. Number of post graduate students getting financial assistance from the university.

Programme	Number
M. A. Social Work	Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Consultations were done with experts in the field from within the state and outside the state

42. Does the department obtain feedback from

a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	Yes, feedback from faculty on curriculum as well as teaching and learning is discussed in the Departmental Advisory Committee (DAC). Suggestions emerging from DAC is incorporated in to the teaching a- learning- evaluation activities.
b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Yes, anonymous written feedback from students on staff, curriculum and teaching and learning is discussed in the Departmental Advisory Committee (DAC). Suggestions emerging from DAC is incorporated in to the teaching – learning- evaluation activities
c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	NA

43. List the distinguished alumni of the department: NA

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl No.	Programme details	Date/s	Name of Experts
1	Special Lecture	30 August, 2014	Dr. Sonia P. Deuri HoD & Professor LGB Regional Institute of Mental Health, Tezpur

45. List the teaching methods adopted by the faculty for different programmes.

Lecturing, Seminar Presentation, Group Assignment and Group Discussion, Individual Conference, Field Visits

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Field work interventions of students are constantly evaluated and discussed with the students through individual and group conference. Evaluating field interventions enables the faculty members to ensure that the students are able to synthesize the theoretical as well as practical orientation of the programme. Along with theory classes the department ensures interaction with eminent scholars and practitioner

47. Highlight the participation of students and faculty in extension activities.

- In the first semester the M.A Social Work students are placed in nearby village communities for concurrent field work practicum, where they were involved in community development activities.
- In the second semester the M. A. Social Work students are placed in Non-

governmental Organizations. They are involved in the community development activities through the developmental projects run by respective agencies.

- c) Students are engaged in community development activities through summer and winter internship.
- d) Two faculty members are engaged in the activities of National Service Scheme in their capacity as programme officers.
- e) Two faculty members are engaged in the Amolapam Village Development Programme, an initiative of Tezpur University, in their capacity as members of the village development committee.

48. Give details of “beyond syllabus scholarly activities” of the department.

Students of the department have participated and won prizes in events like

- National education day essay competition (1st and 3rd prize)
- 30th Inter-university East Zone Youth festival, 2015, Ranchi (Bronze Medal in Bihu dance competition)
- Various Literary and sports events in the University Annual Meet (2014-15)

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied

Faculty members of the department have published research papers on International Migration, Public Health, Mental Health and Regulatory Policy Making

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

1. Situated in a remote area of the country which is helpful for our domain studies
2. Students come from diverse disciplines including Science, Arts and humanities
3. Only department in a Central University to offer Social Work course in the entire North Bank of Brahmaputra
4. Faculty members from diverse academic and research specialization
5. Mandatory student internship programme in International, National and Government institutions during summer and winter break

Weaknesses

1. Dearth of Social Work literature specific to North East Region
2. Limited number Non Governmental Organisations, Social welfare agencies and industries for field work training of the students
3. Lack of professional supervision in the field work agencies, where students are placed
4. Logistical inconvenience creates hurdles in providing maximum exposure to the students (Like inviting academics and practitioners for regular interaction with students)
5. Subject experts, domain experts are not readily available in the region for engaging in the academic activities of the department

Opportunities

1. Increasing demand for trained social workers in the North East region
2. Addressing the diverse social needs of the region
3. Addressing welfare issues specific to the region through research

4. Act as resource centre for training and skill development of development professionals in the region
5. Scope of collaboration with government and non government institutions

Challenges

1. Identify diverse settings for field work exposure of students in Sonitpur district
2. Catering to the increasing demand of applicants for the M. A programme
3. Catering to the increasing demand for starting Research programmes (M. Phil, PhD)
4. Developing skills of students to cater to the specific needs of the region
5. Contextualizing social work practice to cater to the specific needs of the region

52. Future plans of the department.**New Programmes**

To open Bachelors programme in Social work and Ph.D. programme.

To open certificate and short term courses in the domain of Social Work

New Research Initiatives

Initiate academic and research collaborations with institutions and universities in the region.

Others

Increase intake capacity in M.A programe

To start extension programmes



SCHOOL OF ENGINEERING

School of Engineering

1. Name of the Department: Civil Engineering

2. Year of establishment: 2009

3. Is the Department part of a School/Faculty of the university?
Yes (part of School of Engineering)

4. Names of programmes offered

Sl. No.	Name of Programme	Duration	Intake
1	B. Tech. (Civil Engineering)	4 years	60
2	Ph. D. (Civil Engineering)	--	--

5. Interdisciplinary programmes and departments involved: Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

7. Details of programmes discontinued, if any, with reasons: None

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Course	Offered under department/school
ME 101 (Engg. Graphics)	Dept. of Mechanical Engineering

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	1	0	0
Associate Professor	2	1	1
Assistant Professor	10	*10	*10
Others (Technical Officer)	1	1	1

**Including Dr. Briti Sundar Sil (on lien as Asst. Professor, NIT Silchar) and 3 ad-hoc positions*

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D students guided last 4 years
Utpal Kumar Das	Ph. D.	Associate Professor and Head	Geotechnical Engineering	19	nil
Ankurjyoti Saikia	Ph. D.	Assistant Professor	Geotechnical Engineering	5	nil
Kamal Uddin Ahamad	Ph. D	Assistant Professor	Environmental Engineering	5	1
Briti Sundar Sil (on lien, NIT	Ph. D	Assistant Professor	Water Resources	4	nil

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D students guided last 4 years
<i>Silchar)</i>			Engineering		
Binanda Khungur Narzary	M. Tech	Assistant Professor	Transportation Engineering	4	nil
Debaraj Bailung Sonowal	M. Tech	Assistant Professor	Structural Engineering	3	nil
Shailen Deka	Ph. D.	Assistant Professor	Geotechnical Engineering	3	nil
Jayanta Deori Bharali	M. Tech	Assistant Professor	Transportation Engineering	1	nil
*Abhishek Das	ME	Assistant Professor	Structural Engineering	1	nil
*Rituraj Buragohain	M. Tech	Assistant Professor	Water Resources Engineering	< 1	nil
*Arunav Chakraborty	ME	Assistant Professor	Geotechnical Engineering	< 1	nil

* Ad-hoc appointment against sanctioned post

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil

13. Percentage of classes taken by temporary faculty – programme-wise information: Nil

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
B. Tech	189	*11	17:1
Ph. D.	2	2	1:1
All departmental programmes (excluding Ph.D.)	189	*11	17:1

**Including Dr. Briti Sundar Sil (on lien) and three ad-hoc teachers*

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
Technical Assistant	3	3	3
UDC	1	1	1
MTS	1	1	1

16. Research thrust areas as recognized by major funding agencies: None

17. Number of faculty with ongoing projects from

- a) National agencies : Nil
- b) International funding agencies : Nil
- c) Total grants received : Nil

Names of the funding agencies, project title and grants received project-wise. N/A

18. Inter-institutional collaborative projects and associated grants received**a) National collaboration b) International collaboration**

None

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

A grant of ₹ 22, 96,750 was allocated under the NEQIP scheme of AICTE, out of which the first instalment of ₹ 13, 97,621 was utilized.

20. Research facility/centre with state/national/international recognition: Nil**21. Special research laboratories sponsored by / created by industry or corporate bodies:**

Nil

22. Publications

Publication type	Year			
	2014-15	2013-14	2012-13	2011-12
*Number of Papers published in peer reviewed journals				
<i>National journals</i>	Nil	Nil	1	Nil
<i>International journals</i>	4	3	3	3
<i>Regional</i>	Nil	Nil	Nil	Nil
Conference Proceedings	4	3	2	3
Books (with ISBN) & Monographs	Nil	Nil	Nil	Nil
Chapters in Books	Nil	Nil	Nil	Nil
Edited Books	Nil	Nil	Nil	Nil
Important Translated work	Nil	Nil	Nil	Nil
Number listed in International Database (Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)				
Citation Index – range / average	0 – 11/ 1.79			
SNIP	-			
SJR	-			
Impact Factor – range / average	0 – 3.96/ 0.92			
h-index- range/average				

23. Details of patents and income generated: Nil**24. Areas of consultancy and income generated**

Faculty	Details including name of clients	Income generated
Dr. Utpal Kumar Das Dr. Shailen Deka Dr. Kamal Uddin Ahamad Ankurjyoti Saikia Debaraj Bailung Sonowal Binanda Khungur	Power Grid Corporation of India Ltd.	₹ 12,88,941.00 (04/02/2013-04/02/2015)
	Gannon Dunkerley & Co. Ltd.	
	Keller Ground Engineering (I) Pvt. Ltd.	
	Military Engineer Service.	
	Engineer Regiment.	
	Varni Builders	
	Dinesh Chandra & Agarwal Infra.	
	HSCC India Ltd.	
	NF Rly	

Narzary Jayanta Deori Bharali *Dr. Briti Sundar Sil	Mittal Infra	
	Dalmia Cement Pvt. Ltd.	
	Tezpur University	
	Designer's Plenum Pvt. Ltd.	
	Kiron Designer	
	ESS Foundation Pvt. Ltd	
	Gammon India Ltd.	
	Air force, Tezpur	

**Currently on lien*

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad: Nil

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
d) Reviewer of reputed journals e) any other (please specify)

Name	National committees	International committees	Editorial Boards	Reviewer	Others
Dr. Kamal Uddin Ahamad				1 Journal	

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name (s)	Programme and Organiser	Period
Utpal Kumar Das	Short Term Training on "Institutional Development", NITTTR, Guwahati Extension Centre	15 – 19 July, 2013
	ISTE workshop on "Engineering Mechanics", IIT Bombay	26 Nov – 6 Dec, 2013
	ISTE workshop on "Fluid Mechanics", IIT Kharagpur	20- 30 May, 2014
	AICTE-NEQIP sponsored FDP, TU	15 – 27 Dec, 2014
Ankurjyoti Saikia	Workshop on "Science Communication through Mass Media" Dept. of MCJ, Tezpur University	10 -15 Dec, 2012
	ISTE workshop on "Engineering Mechanics", IIT Bombay	26 Nov – 6 Dec, 2013
	ISTE workshop on "Fluid Mechanics", IIT Kharagpur	20 – 30 May, 2014
	AICTE-NEQIP sponsored FDP, TU	15 – 27 Dec, 2014
Kamal Uddin Ahamad	"SAKSHAM-IT Champion Training Program" at Tezpur University organized by MICROSOFT	19- 28 April, 2013
	ISTE workshop on "Fluid Mechanics", IIT Kharagpur	20- 30 May, 2014
Debaraj Bailing Sonowal	Workshop on "Science Communication through Mass Media", Dept. of MCJ, Tezpur University	10-15 Dec, 2012
	ISTE workshop on "Engineering Mechanics", IIT Bombay	26 Nov – 6 Dec, 2013
	ISTE workshop on "Fluid Mechanics", IIT Kharagpur	20-30 May, 2014
	ISTE workshop on "Computer Programming" organized by IIT Bombay	20 May – 21 June, 2014
	AICTE-NEQIP sponsored FDP, TU	15 – 27 Dec, 2014
Binanda Khungur	Workshop on "Science Communication through Mass Media" Dept. of MCJ, TU	10 -15 Dec, 2012

Narzary	ISTE workshop on “Engineering Mechanics”, IIT Bombay	26 Nov – 6 Dec, 2013
	ISTE workshop on “Fluid Mechanics”, IIT Kharagpur	20 – 30 May, 2014
	National course on “Creative Learning Methods in Technical Education Design”, IIT Guwahati	11 – 15 Nov, 2014
	AICTE-NEQIP sponsored FDP, TU	15 – 27 Dec, 2014
Shailen Deka	QIP short term course on “Geotechnical Engineering Practices and Developments” IIT Guwahati	6 – 10 Jan, 2014
	ISTE workshop on “Fluid Mechanics”, IIT Kharagpur	20 – 30 May, 2014
	Short term course on “Challenges and Recent Advances in Geotechnical Engineering Research and Practice”, IIT Guwahati	9 Dec – 13 March, 2015
Jayanta Deori Bharali	AICTE-NEQIP sponsored FDP, TU	15 – 27 Dec, 2014
Abhishek Das	-do-	15 – 27 Dec, 2014

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
B.Tech	100%

- percentage of students doing projects in collaboration with other universities / industry / institute

Nil

28A. Internship for students of outside institutes

Year	No of students	Participating institutes	Sponsoring agencies
2014-15	Nil		
2013-14	2	Assam Engineering College, Guwahati and KIIT, Bhubaneswar	Parent institute/self
2012-13	5	Royal School of Engineering & Technology, Guwahati	Parent institute/self
2011-12	Nil		

29. Awards / recognitions received at the national and international level by

- Faculty : Nil
- Doctoral / post doctoral fellows : Nil
- Students

Name	Award/recognition	Year
Rupam Jyoti Bez Ananya Baruah	Outstanding commitment in Innovation and Commercial Viability in North East Students Geo Congress, 28 Sep, 2013.	2013
Arindam Khan	Selected through a nation-wide competition and participated in the final round of the international competition Defi Bouygues Construction held in France during November	2014

	2014.	
Eisa Mohammad Ghaznavi	Gold medal in Western Vocal Solo in the 30 th inter university east zone youth festival, Ranchi University	2015
Bhintumoni Deori Ankur Gogoi	Core members of the Folk Orchestra Team of the University that received the Best Regional & Folk Team Award in the 8 th South Asian Universities International Youth Festival (SAUFEST), 2015.	2015

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/ eminent participants, if any.

Name of Faculty coordinator	Seminar/Conferences/workshops organized (mention dates) (National/International)	Source of funding	Eminent Participant/ resource person
Debaraj Bailing Sonowal	1-day workshop on “Concrete Mix Design” on 21 st September, 2014 jointly with STAR CEMENT (Regional)	Funded by STAR CEMENT	Suhas S. Dhuri, e-Cube Consultants

31. Code of ethics for research followed by the departments

Follows the policy and norms as laid down by the University with a strict no to plagiarism.

32. Student profile programme-wise

Name of the Programme (refer to item no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
B. Tech	NA	40	12	NA	NA
Ph. D.	6	None	None	NA	NA
2013-14					
B. Tech	NA	42	5	NA	NA
Ph.D.	1	1	None	NA	NA
2012-13					
B. Tech	NA	41	7	NA	NA
Ph. D.	Nil				
2011-12					
B. Tech	NA	39	3	NA	NA
Ph. D.	Nil				

33. Diversity of students

Name of the Programme (refer to Item No. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B. Tech	NA	NA	NA	Nil
Ph. D.	Nil	50%	50%	Nil

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	No of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	NA	NA	NA	NA	NA
NET LS	NA	NA	NA	NA	NA
GATE	8	7	6	NA	NA
Civil Services	NA	Nil	Nil	NA	NA
Engineering Services	NA	Nil	Nil	NA	NA
Defence services	NA	Nil	Nil	NA	NA
Others (Specify)	Nil	Nil	Nil	NA	NA

35. Student progression

Student progression	Percentage against enrolled
UG to PG	*27%
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	*21% (in campus selection)
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	Nil

**Considering last two B. Tech batches*

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	91%
from universities from other States	9%
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	Yes	1/ (30 no. of books 165pprox..)
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	7
d) Total number of class rooms with ICT	Yes	3
e) Students' laboratories	Yes	7
f) Research laboratories	Yes	2
g) Archive/Museum/ Studio	NA	

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
2	Nil

40. Number of post graduate students getting financial assistance from the university: N/A

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The department was started based on the recommendation of the Academic Council and approval of the Board of Management.

42. Does the department obtain feedback from

(a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	Yes, through discussion in Departmental Advisory Committee (DAC).
(b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Yes, through anonymous written feedback forms towards the end of every semester. The feedback is discussed in DAC and appropriate measures taken/suggested.
(c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	No, since only two batches are graduated so far.

43. List the selected alumni of the department

Sl. No.	Name	Programme and batch	Current position/ achievement (if any)
1.	Angshuman M. Sahariah	B. Tech. (2013)	Availing DAAD fellowship in a German University as an M. Tech. student of Civil Engineering Department of IIT, Guwahati

(Only 2 batches graduated upto March 2015, 3 batches upto July 2015)

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl. No.	Programme details	Date/s	Name of Experts
1	Special lecture	16/03/2012	Prof. M. L. Kansal, IIT Roorkee
2	Special lecture	01/08/2012	Prof. S. Talukdar, IIT Guwahati
3	Special lecture	07/09/2012	Prof. A Dutta, IIT Guwahati
4	Special lecture	18/03/2014	Prof. M. Jawed, IIT Guwahati
5	Special lecture	31/07/2014	Prof. S. K. Bhattacharyya, Director, CBRI Roorkee

45. List the teaching methods adopted by the faculty for different programmes.

- Lectures
- Demonstrations
- Practicals
- Assignments
- Audio-visual aids
- Seminar/presentation
- Mini-projects
- Field/site visits

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Matters are discussed in Departmental Advisory Committee (DAC) and Departmental Research Committee (DRC) at regular intervals.

47. Highlight the participation of students and faculty in extension activities.

- a) A training session was organized for the Site Supervisors working at different construction sites inside the Tezpur University Campus on 15 September, 2012.
- b) Organized a “Mason Certification Programme” in association with STAR CEMENT on 20 Sept., 2014.

48. Give details of “beyond syllabus scholarly activities” of the department.

The department takes students for industrial site visits so that they have visual experience of civil engineering projects and can relate what were learnt in classrooms and labs to actual objects. The department organizes workshops, talks by renowned engineers and academicians, so that the faculty members can broaden their horizons of knowledge and students can have ideas about their future prospect. Students are also encouraged to organize various events (e.g. through students’ technical festival TechXetra, etc.) where they can express their creativity.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Approved by AICTE (Permanent Id 1-786387751). Extension of approval vide F.No. Eastern/1-2449859440/2015/EOA dated 07-Apr-2015. Applied for accreditation by the National Board of Accreditation (NBA) for B. Tech. programme.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Following research papers have emerged from final year B. Tech projects;

- a. “Computation of least cost pipe network – an alternative method”, *International Journal for Computational Engineering Research*, 3 (2), 2013.
- b. “Study on the impact of pre-sedimentation and consequently optimization of alum dose in water treatment process”, *Water Practice & Technology*, 9 (3), 2013.
- c. “Effect of gradation of fine aggregate on development of hairline cracks in wall plaster”, *Indian Journal for Applied Research*, 3 (5), 2013.
- d. “Use of Excel-solver as an optimization tool in design of pipe network”, in *International Journal of Hydraulic Engineering*, 2 (4), 2013.
- e. “Effect of over-used sampler shoe on standard penetration test results”, in *NES Geo-Congress 2013*, Guwahati, September 28 September, 2013.
- f. “Ground water quality evaluation in a stretch of rural Tezpur, Assam (India)”, in *The 1st International Forum on Asian Water Environment Technology*, organized by JNU, IIT Roorkee, Tezpur University, The University of Tokyo and Asian Institute of Technology, New Delhi, 18-20 December, 2013.
- g. “A simplified procedure for geotechnical study of river bank”, in *National Seminar on Recent Trends of Research in Science and Technology*, Assam Science Society, Guwahati, 29 March, 2014.
- h. “Evaluation of quality of drinking water in rural Tezpur, Assam”, in *National Seminar on Recent Trends of Research in Science & Technology*, Assam Science Society, Guwahati, 29 March, 2014.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**Strengths**

- 1 Good infrastructure including fully equipped laboratories

- 2 Continuous Internet connectivity and centralized power backup
- 3 Students from various parts of India
- 4 Faculty from various fields of specializations from technical institutions of national repute
- 5 Service to industry through consultancy
- 6 Integrated course curriculum vetted by nationally reputed experts

Weaknesses

- 1 Limited number of recruiters for campus placements
- 2 Limited number of regular faculties
- 3 High student teacher ratio
- 4 Lack of senior faculty members
- 5 Less industry-academia interaction

Opportunities

- 1 Pursue research in perspective of the regional requirement as well as the global scenario
- 2 Extension of expertise and generate revenue through consultancy
- 3 Developing specialized manpower by opening Masters programme
- 4 To pursue collaborative research with industry and R & D sectors
- 5 Faculty development

Challenges

- 1 To attain 100% placement for students
- 2 To conduct research at par with established departments/institutions
- 3 Attracting senior faculty with good teaching and research experience
- 4 Retention of faculty members
- 5 Less pan-Indian and international interactions

52. Future plans of the department.**New Programmes**

The department has initiated steps to start an M. Tech programme in “Civil and Infrastructure Engineering” from the academic year 2016-2017.

New research Initiatives

The department has initiated research towards development and improvement of overall construction materials and technology using non-conventional materials (e.g. wastes generated from the domestic and industrial sector) to ensure minimal adverse impact on the environment.

Others

The department is in the final stage of signing an MOU with CBRI Roorkee for collaborative research and projects, exchange of students, training etc.

School of Engineering

1. Name of the Department: Department of Computer Science and Engineering

2. Year of establishment: 1994

3. Is the Department part of a School/Faculty of the university?

Yes, School of Engineering

4. Names of programmes offered

Sl. No.	Name of Programme	Duration	Intake
1	B. Tech. (Computer Science and Engineering)	08 Semesters	52
2	M. Tech. (Information Technology)	04 Semesters	28
3	MCA (Master of Computer Application)	06 Semesters	60
4	Ph. D. (Computer Science and Engineering)	06-12 Semesters	Variable

5. Interdisciplinary programmes and departments involved: Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

7. Details of programmes discontinued, if any, with reasons: Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Course	Offered under department/school
BM421 (Accounting & Financial Management)	Business Administration

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	5	5	5+2
Associate Professor	4	4	4
Assistant Professor	9	8	8 Regular + 2 Ad-hoc
Others	NIL	NIL	NIL

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D students guided in last 4 years
Dilip Kumar Saikia	Ph. D.	Professor	Networks, Mobile Computing	34	1
Malay Ananda Dutta	Ph. D.	Professor	P=NP Problem	34	1
Dhruba Kumar Bhattacharyya	Ph. D.	Professor	Data Mining, Bioinformatics, Network Security.	24	6
Smriti Kumar	Ph. D.	Professor	Workflow	28	1

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D students guided in last 4 years
Sinha			Automation, Web Technology, Service Oriented Computing		
S. M. Hazarika	Ph. D.	Professor & HOD	Rehabilitation Robotics, Knowledge Representation and Reasoning	24	3
Utpal Sharma	Ph.D.	Professor	Natural Language Processing.	24	1
Nityananda Sarma	Ph. D.	Professor	Mobile Networks.	25	1
Sarat Saharia	Ph. D.	Associate Professor	Pattern Recognition	22	nil
Bhogeswar Borah	Ph.D.	Associate Professor	Data Mining, Image Processing, Soft Computing	26	2
S. Ibotombi Singh	MCA	Assistant Professor	Data Mining	24	nil
Bhabesh Nath	Ph. D.	Associate Professor	Data Mining	16	nil
S. S. Satapathy	Ph. D	Associate Professor	Bioinformatics	13	nil
L. Basantakumar Singh	M. Tech.	Assistant Professor	Pattern Recognition	8	nil
Rosy Sarmah	Ph. D.	Assistant Professor	Data Mining, Bioinformatics	11	nil
Sanjib Kumar Deka	M. Tech.	Assistant Professor	Operating Systems, Cognitive Radio Networks	8	nil
Debojit Boro	M. Tech.	Assistant Professor	Network Security	7	nil
Arindam Karmokar	Ph. D.	Assistant Professor	Algorithms Computational Geometry	6	nil
S. Nath	M. Tech.	Assistant Professor	Speech Processing	11	nil
Dinesh Das	Ph. D.	Assistant Professor	Sensor Network & Algorithms	8	nil
Swarnajyoti Patra	Ph. D.	Assistant Professor	Petarn Recognition, Evolutionary Computing,	6	nil

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D students guided in last 4 years
			Neural Networks		

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil

13. Percentage of classes taken by temporary faculty – programme-wise information: Nil

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
B. Tech.	201	15	14 : 1
M. Tech.	51	9	6 : 1
MCA	146	13	12 : 1
Ph.D.	46	13	3.5 : 1
All departmental programmes (excluding Ph.D.)	398	20 (Total)	20 : 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
System Analyst	03	03	03
Technical Officer	01	01	01
Technical Assistant	01	01	01
Laboratory Assistant	02	02	02
UDC	01	01	01
MTS	01	01	01

16. Research thrust areas as recognized by major funding agencies

Research area	Funding Agency
Network Security, NLP, Cognitive Radio Networks	DeitY
Bioinformatics	DST
Big Data Analytics- Bioinformatics, Network Security and Robotics, Machine Intelligence & NLP, Image processing & machine learning.	UGC
Machine Learning and Big Data Analysis	MHRD
Rehabilitation Robotics	UKIERI- DST
Data Mining	AICTE

17. Number of faculty with ongoing projects from

- a) National agencies : 06
- b) International funding agencies : 01
- c) Total grants received : ₹ 183.72 lakhs

Names of the funding agencies, project title and grants received project-wise.
(List of projects submitted in the enclosed format, Vol-II B)

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration b) International collaboration

National				
	Name of Investigator/s	Collaborators	Sanctioned amount	Funding Agency
1	U. Sharma, Co-PI: S. K. Sinha	(Consortium of) IIT Hyderabad, IIT G, IIT Kharagpur, IIT Hyd, IIT K, NEHU Shillong, DAICT Gandhinagar, Thapar University Patiala, RIT Kottayam,	30.015L	DeitY
2	S. M. Hazarika Co Investigator- N. Subramanian, CDAC Bangalore.	CDAC, Bangalore	225.58 L	DeitY
International				
1	S. M. Hazarika	UKIERI, University of Essex, UK	27255 GBP	UKIERI-DST

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S. N.	Project	Year	Level	Sanctioned amount (in lakhs)
1	UGC-SAP	2009 – 2014	I	71.0
2	UGC-SAP	2014 – 2019	II	77.0
3	AICTE	2009 – 2012		5.0
4	MHRD	2014 – 2017		400.0
5	DeitY	2013 – 2015		165.84
6	UGC	2014 – 2016		6.0
7	DST	2011 – 2014		10.0
8	NEQIP	2014 – 2016		24.63

20. Research facility / centre with state/national/international recognition

Facility/centre	State/National/International
Bioinformatics & Network Security Laboratory.	National
Cognitive Radio Networks Laboratory.	National

21. Special research laboratories sponsored by / created by industry or corporate bodies
Nil

22. Publications

Publication type	Year			
*Number of Papers published in peer reviewed journals	2014-15	2013-14	2012-13	2011-12
<i>National journals</i>				
<i>International journals</i>	23	35	52	22
<i>Regional</i>				
Conference Proceedings	11	21	22	18
Books (with ISBN) & Monographs	1	1		1
Chapters in Books	1	3	1	3
Edited Books			1	1

Important Translated work				
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)				
Citation Index – range / average	0 – 858			
SNIP	0 – 9.13			
SJR				
Impact Factor – range / average	0.5 – 6.490			
h-index- range/average				

23. Details of patents and income generated

Faculty	Details of patent	Income generated
Smriti Kumar Sinha	European Patent EP2173 058 B1: Context-free and Context-Sensitive XML Digital Signatures for SOAP messages, Co-inventors: Azzedine Benameur, Paul El Khoury, granted as European patent on 29.02. 2012 and published in European Patent Bulletin No 2012/09 dated 29.02.2012. , 2012	-
	US Patent US 8495744 B2: Evaluation of Risk of Conflict for Security solutions Integration, with Paul El Khoury, Azzedine Benameur as co-inventors.	-
	US Patent US8245045 B2: Computer implemented methods, systems and computer products for generating and verifying signatures.	-

24. Areas of consultancy and income generate

Faculty	Details including name of clients	Income generated
U Sharma	Antecedents verification systems for persons hired by oil companies For – Assam Police.	₹ 60,000
N. Sarma	Website Development of The North Eastern Regional Institute of Water and Land Management. For – NERIWALM	₹ 45,000
N. Sarma	Online Application System of Lokopriya Gopinath Bordoloi Regional Institute of Mental Health (LGBRIMH)	₹ 45,000

25. Faculty selected nationally /internationally to visit other laboratories / institutions /industries in India and abroad

Name	In what capacity	Sponsoring agency	Place of visit	Duration & time period
D. K. Bhattacharyya	Visiting Professor/ Research Collaborator	Project fund of Prof. J. K. Kalita, UUCS, USA	Colorado University, USA	July 2012 (One month)
S. S. Satapathy	Visiting Lecturer	Dept. of Biotechnology, Govt. of India	University of Bath, UK	Sept, 2014 to Sept, 2015

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
d) Reviewer of reputed journals e) any other (please specify)

Name	National committees	International committees	Editorial Boards	Reviewer	Others
D. K. Bhattacharyya	Fellow member, IETE	TPC member of Intl. Conferences: CSNT 2015, ICACCI 2015, ICNSC 2014, ICACCI 2014, ACB 2014, ICACCI 2012	1. JCIT, Korea 2. IJIP, Korea 3. IJRTE, Finland	1. IEEE/ACM TCBB 2. ACM Computing Surveys 3. IEEE TKDE, 4. IJNS 5. BMC Bioinformatics 6. IJBCA 7. PRL 8. CAI 9. Informatica 10. IEEEBAI	-
Swarnajyoti Patra	-	-	-	IEEE Trans. on Geoscience & Remote Sensing, IEEE Trans. on Image Processing, Pattern Recognition	-

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Programme and Organiser	Period
D. K. Bhattacharyya	National Seminar cum Workshop on Innovative Prospects in Food Processing: Integration of Engineering and Biological Sciences”, Dept. of Food Engineering and Technology, TU.	27-28 March, 2015.
	FDP on “Current Approaches in Teaching and research in Science and Technology” under AICTE-NEQIP scheme, School of Engineering, TU.	15-27 Dec., 2014
	Regional training Programme Cum Workshop on ShodhGanga and Anti-Plagiarism Software, organized by Central Library, TU in association with INFLIBNET	28 Nov., 2014
	ISLA 2014: 5 th Indian School on Logic and its Applications, organized by the Association for Logic in India in collab. with Department of Computer Science and Engineering, School of Engineering, TU	6 – 17 Jan, 2014
	ISI-TU Joint Workshop on Decision Making, Quantum Probability and Modelling in Cognitive Science, Physics and Applied Mathematics Unit, ISI, Kolkata and Dept of Computer Science and Engineering, TU	22-23 March, 2013
	National Workshop on network Security, TU.	15-16 March, 2013
Sarat Saharia	NE ISI-TU Spring school on Selected Topics in Algorithms jointly organized by TU and ISI, Kolkata at TU.	21-23 March, 2011

	Workshop on Development of Self-learning Materials for Distance Education, TU	17-18 June, 2011
	National Workshop on Malware Threats & Defence, TU	20-21 June, 2011
	Workshop on An Introduction to Natural Language Processing, TU	11-15 July, 2011
	National workshop on Holistic Scientific Approach using Integrated Geophysical Studies for management of national Hazards at NESAC, Meghalaya.	22-23 April, 2013
	National Workshop on Network Security, TU	15-16 March, 2013
	5th Indian School on Logic and Applications (ISLA 2014), Association for Logic in India at TU	6 -17Jan., 2014
	Regional Training Programme cum Workshop on ShodhGanga and Anti-Plagiarism Software at TU Dec. 2014 , TU and INFLIBNET Centre	28 Nov., 2014
	FDP on “Current Approaches in Teaching and Research in Science and Technology” Under AICTE-NEQIP Scheme, TU	15 – 27 Dec, 2014
Bhogeswar Borah	National Seminar cum Workshop on Innovative Prospects in Food Processing: Integration of Engineering and Biological Sciences”, Dept of Food Engineering and Technology, TU	27-28 Mar., 2015.
	FDP on “Current Approaches in Teaching and research in Science and Technology” under AICTE-NEQIP scheme, organized by School of Engineering, TU	15-27 Dec., 2014
	Regional training Programme Cum Workshop on ShodhGanga and Anti-Plagiarism Software, organized by Central Library, TU in association with INFLIBNET	28 Nov., 2014
	Outcome Based Accreditation Workshop of Phase II, Royal Group of Institutions, Guwahati (NBA nodal Centre).	21-23 Mar, 2014
	Microwave Remote Sensing training program titled “RISAT-1 Data Utilization With Special Emphasis on Applications in North East Region”, held at North Eastern Space Applications Centre (NESAC), Umiam, Meghalaya during 10-15 February, 2014.	10-15 Feb., 2014
	ISLA 2014: 5 th Indian School on Logic and its Applications, organized by the Association for Logic in India in collab. with Dept. of Computer Science and Engineering, TU	6 – 17 Jan, 2014
	Seventh Biennial Conference on “Global Change, Ecosystem and Sustainability”, organized by the Indian Society for Ecological Economics at Tezpur University.	5-7 Dec., 2013
	Regional Seminar Cum Workshop on Pedagogy, Assam Engineering College, Guwahati.	4 April, 2013
	ISI-TU Joint Workshop on Decision Making, Quantum Probability and Modelling in Cognitive Science, Physics and Applied Mathematics Unit, ISI, Kolkata and Dept of Computer Science and Engineering, TU	22-23 March, 2013
	National Workshop on network Security, TU	15-16 Mar., 2013
	2 nd National Conference on Computational Intelligence and Signal Processing (CISP 2012), IIT Guwahati.	2-3 Mar., 2012
	National Workshop on Malware Threats & Defence, TU	20-21 June, 2011

S. I. Singh	FDP on “Current Approaches in Teaching and research in Science and Technology” under AICTE-NEQIP scheme, School of Engineering, TU	15-27 Dec., 2014
	National Workshop on network Security, TU	15-16 Mar., 2013
	National Workshop on Malware Threats & Defence, TU	20-21 Jun, 2011
Debojit Boro	FDP on “Current Approaches in Teaching and research in Science and Technology” under AICTE-NEQIP scheme, School of Engineering, TU.	15-27 Dec., 2014
	Organised Project Based Winter Internship Program in association with India's Biggest Networking Championship & ACES ACM IIT- Delhi held at Dept. of CSE, TU conducted by I-Medita Learning Soln (P) Ltd.	20-31 Dec., 2014
	Participated and presented a paper in CCSN'14, Vol. 5 Issue 1, pp. 77--82, Puri, Odisha, India	12-14 Dec., 2014
	Organised 2-week ISTE Workshop on Computer Programming, conducted by IITB under National Mission on Education through ICT (MHRD)	20 May – 21 June, 2014
	2-Week ISTE Workshop on Computer Programming for Coordinators conducted under the National Mission on Education through ICT by MHRD at Dept. of CSE, IITB	21-26 April, 2014
	ISLA 2014: 5 th Indian School on Logic and its Applications, organized by the Association for Logic in India in collaboration with Dept of Computer Science and Engineering, TU	6-17 Jan, 2014
	Organised National Network Security Championship-India in association with ACM IIT Delhi at Tezpur University, Tezpur, Assam on 23-24 November 2013 conducted by Network Bulls.	23-24 Nov, 2013
	Participated and presented a paper in National Workshop on network Security, TU	1-16, Mar., 2013
	2-day ISTE Workshop on "Aakash for Education" conducted by IITB under the National Mission on Education through ICT (MHRD)	10-11 Nov., 2012
	Participated and presented a paper in the 5th ACM Int. Conference on Security and Information and Networks (SIN 2012, MNIT, Jaipur, India	25-27 Oct., 2012
	One week workshop on "Advances in Photonic, Electronic and Communication Systems (APECS-2012)" held at TU under UGC Networking Resource Center in Physical Sciences, Institute of Radio Physics and Electronics, Univ. of Calcutta and Dept. of ECE, TU	23-27 Jan, 2012
Bhabesh Nath	1- Week ISTE STTP for Coordinators on Introduction to Design of Algorithms, IIT Kharagpur	16-20 Mar, 2015
	2-Week ISTE Main Workshop on Computer programming, IITB	16-21 Jun, 2014
	2-Week Main Workshop on Signals & Systems, IITB	2-12 Jan., 2014
	1-day UGC SAP DRS I Initiative Workshop on Designing Contemporary Livelihood Interventions, Dept. of Business Administration, TU	22 Jan, 2013
	2 Days ISTE Workshop on Aakash for Education, IIT Bombay	Nov. 10-11, 2012
L B Singh	Two-week ISTE WORKSHOP on Computer Programming conducted by IITB under the National Mission on Education through ICT (MHRD).	20 May- 21 June 21, 2014

Sanjib Kumar Deka	Participated and presented a paper in 13th IEEE International Conference on Information Technology (ICIT 2014).	Dec., 2014
	FDP on “Current Approaches in Teaching and research in Science and Technology” under AICTE-NEQIP scheme, School of Engineering, Tezpur University.	15-27 Dec., 2014
	ISTE Workshop on Computer Programming conducted by IIT Bombay.	20 May- 21 June, 2014
	ISLA 2014: 5 th Indian School on Logic and its Applications, organized by the Association for Logic in India in collaboration with Dept of Computer Science and Engineering, TU	6-17 Jan, 2014
	Coordinated and organized National Network Security Championship (NNSC) by ACM and IIT Delhi at TU	23-24 Nov., 2013
	Participated Saksham -IT Champion Training Program by Microsoft and National Mission on Education Through ICT (NME-ICT) at TU.	9-28 Apr., 2013
	Participated and presented a paper in National Workshop on network Security, Tezpur University.	15-16, Mar. 2013
Sanghamitra Nath	International Conference on Computing and Communication Systems'2015(I3CS'15), NEHU, Shillong	9-10 Apr., 2015
	Workshop on Interdisciplinary Research on Language and Speech in North-East India, IIT Guwahati	28 Feb. – 1 Mar, 2015
	Workshop on Acoustic Phonetics of Tone, Dept of EFL, TU	24-26 Feb., 2015
	FDP on “Current Approaches in Teaching and research in Science and Technology” under AICTE-NEQIP scheme, organized by School of Engineering, TU	15-27 Dec., 2014
	ISTE Workshop on Computer Programming, organized by IITB and dept. of CSE, Tezpur University	16-21 Jun, 2014
	15th International Conference on Intelligent Text Processing and Computational Linguistics (CICLING'14), Kathmandu, Nepal	6-12 Apr, 2014
	ISLA 2014: 5 th Indian School on Logic and its Applications, organized by the Association for Logic in India in collaboration with Dept. of Computer Science and Engineering, TU	6-17 Jan., 2014
	Workshop on Image and Speech Processing, IIT Guwahati	13-14 Dec., 2013
	Workshop on Introduction to Computational Phonetics, Phonology and Prosody, Dept. of CSE, TU	23-29 Dec., 2012
	FDP on ERP overview and Oracle Applications , organized by TCS and TU	13 Jun, 2012
Arindam Karmakar	Workshop on "Advances in Phonetic, Electronic and Communication Systems", Dept. of ECE, TU	23-27 Jan, 2012
	Indo-German workshop on Algorithms organized by the ACM Unit, Indian Statistical Institute, Kolkata in collaboration with DFG (German Research Foundation)	9-13 Mar., 2015
	QIP Short Term Course on Recent Trends in Networks and Distributed Computing, IIT, Guwahati.	10-14 Feb., 2015
	Workshop on Credit System, Tezpur University	9 Jun, 2014
	ISLA 2014: 5 th Indian School on Logic and its Applications, organized by the Association for Logic in India in collab. with Dept of Comp. Sc. and Engg., TU.	6-17 Jan, 2014
	Microsoft 10 days training programme for Faculty called	19- 28 Apr., 2013

	Saksham	
	National Workshop on network Security, TU	15-16 Mar., 2013
	Algorithms for Wireless Networks, Dibrugarh University	8-10 Feb., 2012
	Research Promotion Workshop on Introduction to Graph and Geometric Algorithms, IIT Guwahati	21-23 Oct., 2011
Swarnajyoti Patra	6th International Workshop on the Analysis of Multi-temporal Remote Sensing Images, Trento, Italy	12 – 14, Jul, 2011
	IEEE International Geoscience and Remote Sensing Symposium, Munich, Germany.	22 – 27 Jul., 2012
	Int. Conf. on Computational Intelligence in Data Mining (ICCIDM-14), Burla, India	20 – 21 Dec., 2014
Rajib Goswami	4 th Joint International Conference on Swarm, Evolutionary and Memetic Computing-2013, SRM University, Chennai.	19-21 Dec., 2013
	1-Day Workshop on IBM University Relationship. Organized by “IBM University Relations” in association with the Dept of Computer Science and Engineering, TU.	12 Oct, 2012
	Workshop on ERP (Organized by TCS and TU)	13 Jun, 2012
	2nd International Conference on Computer Science, Engineering and Applications, ICCSEA-2012 at Connaught Hotel, New Delhi.	25-27 May, 2012
	2-day Workshop to Revamp North East Edusat Network (Organized by CEC, UGC) at NEHU, Shillong	2-3 Nov., 2011
	Workshop on Introduction to Natural Language Processing (Organized by Central Institute of Indian Languages, Dept. of Higher Education, MHRD, Mysore at Dept of Computer Science & Engineering, TU)	11-15 July, 2011
	National Workshop on Malware Threats and Defence, 2011 at Department of Computer Science & Engineering, Tezpur University.	20-21 Jun, 2011
Debasish Das	Workshop on ERP (Organized by TCS and TU)	13 Jun, 2012
	Workshop on Introduction to Natural Language Processing (Organized by Central Institute of Indian Languages, Dept. of Higher Education, MHRD, Mysore at Dept of Computer Science & Engineering, TU.	11-15 Jul., 2011
Dr. Pranab Jyoti Dutta	ISLA 2014: 5 th Indian School on Logic and its Applications, organized by the Association for Logic in India in collab. with Dept of Computer Science and Engineering, TU.	6-17 Jan, 2014

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
B. Tech.	100%
M. Tech.	100%
MCA	50%

- percentage of students doing projects in collaboration with other universities / industry / institute

Name of Programme	Percentage
B. Tech.	-
M. Tech.	-
MCA	50%

28A. Internship for students of outside institutes

Year	No of students	Participating institutes	Sponsoring agencies
2014-15	05	1. MCKV Institute of Engineering, Howrah 2. Netaji Subhas Inst. Of Technology, New Delhi 3. Kalyani Government Engg College, West Bengal 4. NIT, Durgapur 5. IIT, Guwahati	Tezpur University, INSA
2013-14	10	1. Royal Group of Institute, Guwahati 2. NIT, Sikkim 3. NIT, Pondicherry 4. Jeppiaar Engineering college, Anna university	Tezpur University
2012-13	12	1. KIIT University, Bhubaneswar Odissa 2. Royal Group of Institute, Guwahati 3. University Institute of Engineering & Technology, CSJM University Kanpur.	Tezpur University
2011-12	10	1. GMT, Guwahati 2. Kalasatingam University, Tamilnadu 3. Donbosco College of Engg, Guwahati 4. ABV-IIITM, Gwalior 5. Institute of Sc & Technology, Guwahati University	Tezpur University

29. Awards / recognitions received at the national and international level by

- Faculty

Name	Award/recognition	Year
D. K. Bhattacharyya	Best Paper Award (2nd) in the SCIT 2015, held at Pune, February, 2015 for the paper “Non-exclusive Clustering: A Partitioning Approach” co-authored by N Agrawal, H A Ahmed and D K Bhattacharyya.	2015
N. Sarma, Mr. S. K. Deka	Amiya K Pujari Best Paper Award in 13th IEEE International Conference on Information Technology (ICIT 2014) ICIT for the paper “Constraint based Cooperative Spectrum Sensing for Cognitive Radio Networks”, co-authored by P Chauhan, S K Deka and N Sarma.	2014
S. M. Hazarika	Best Paper Award in Advances in Robotics (AIR – 2013) – International Conference of the Robotics Society of India for the paper “Local Hand Control for Tezpur University Bionic Grasping” co-authored with Nayan M Kakoty.	2013
D. K. Bhattacharyya, N. Sarma	Elected as IETE Fellow Member	2013
D. K. Bhattacharyya	Best paper award in ACM ICACCI 2012 at Chennai for the paper “An Effective Unsupervised Network Anomaly Detection Method” co-authored by M H Bhuyan, D K Bhattacharyya and J K Kalita.	2012

- Doctoral / post doctoral fellows

Name	Award/recognition	Year
Dr. Swarup Roy	Best Doctoral Award in International	2013

	Conference SocPros 2013 organized by IIT Roorkee and SIG(SAEM) & SIG(EMS), BISC, University of California, Berkeley, USA, held at IIT Roorkee.	
Monowar Hussain Bhuyan	Best paper award in ACM ICACCI 2012 at Chennai for the paper titled “An Effective Unsupervised Network Anomaly Detection Method” co-authored by M H Bhuyan, D K Bhattacharyya and J K Kalita.	2012

• Students

Name	Award/recognition	Year
Mr N. Agrawal (B. Tech.)	Best Paper Award, SCIT 2015	2015

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/eminent participants, if any.

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
S. M. Hazarika	5th Indian School on Logic and its Application (ISLA 2014), 6-17 Jan, 2014 in collaboration with The Association for Logic in India 6-17 January, 2014	NBHM, SERB, UGC-SAP, IARCS, AMD and BMG Informatics	<ul style="list-style-type: none"> • Prof. Rohit Parikh, CUNY, USA. • Prof. Chitta Baral, Arizona State Univ, USA. • Prof. Johann A. Makowsky, Technion - Israel Instt. of Tech.
N. Sarma	1- day workshop on MIC grooming February 2014.	Microsoft	
N. Sarma	National Workshop on Network Security (NWNS 2013), Sponsored by DIT and UGC under SAP. 15-16, March, 2013.	DIT and UGC-SAP	
S. M. Hazarika	ISI-TU Joint Workshop on Decision Making, Quantum Probability and Modelling in Cognitive Science, 22-23, March, 2013.	ISI Kolkata	
U Sharma	National Workshop on Introduction to Computational Phonetics, Phonology and Prosody, 23-29, Dec.2012.	DIT	
U Sharma	Workshop on An Introduction to Natural Language Processing 11-15 Dec., 2011.	DIT	
D. K. Saikia	National Workshop on Malware Threats and Defence, 11-15 Jun, 2011	DIT	

31. Code of ethics for research followed by the departments

Encourage the use of plagiarism software (Turnitin & IThenticate) to all the UG/PG/PhD students before submission.

32. Student profile programme-wise

Name of the Programme (refer to item 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014					
B. Tech. (Comp.Sci. and Engineering)	8033 Combined B.Tech	45	09	83	17
M. Tech. (Information Technology)	334	22	06	79	21
MCA	499	29	11	72	28
Ph.D. (Comp. Sci. and Engg)	97	00	02	00	00
2013		Male	Female	Male	Female
B. Tech. (Comp. Science and Engg)		36	15	71	29
M. Tech. (Information Technology)	664	23	06	79	21
MCA	656	42	13	76	24
Ph.D. (Comp. Sci. and Engg)	88	03	04		
2012		Male	Female	Male	Female
B. Tech. (Computer Science and Engineering)	5500 Combined B. Tech.	41	16	72	28
M. Tech. (Information Technology)	415	30	03	91	09
MCA	989	46	13	78	22
Ph.D. (Comp. Sci. and Engg)	60/ year	03	00	100	00
2011		Male	Female	Male	Female
B. Tech. (Comp. Sci. and Engg)	5500 Combined B.Tech.	39	16	71	29
M. Tech. (Information Technology)	382	24	10	71	29
MCA	1150	47	19	71	29
Ph.D. (Comp. Sci. and Engg)	70 /year	03	00	100	00

33. Diversity of students

Name of the Programme (refer to Item no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B. Tech. (CSE)	N/A	65	35	0
M. Tech. (IT)	7.33	70.67	22	0
MCA	Nil	86	14	0
Ph. D. (Comp. Sci. and Engg.)	54.35	30.43	15.22	0

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	No of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	-	05	05	02	-
NET LS	-	-	-	-	-
GATE	19	20	20	11	09
Civil Services	-	-	-	-	-
Engineering Services	-	-	-	-	-
Defence services	-	-	-	-	-
Others (Specify)	CAT : 01 GRE : 02 TOEFL: 02				

35. Student progression

Student progression	Percentage against enrolled
UG to PG	25%
PG to M.Phil.	N/A
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	6.67%
Employed	
• Campus selection	40%
• Other than campus recruitment	90%
Entrepreneurs	-

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	6/19 = 31.58%
from other universities within the State	4/19 = 21.05%
from universities from other States	8/19 = 42.11%
from universities outside the country	1/19 = 05.26%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph.D.	02

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	Yes	2238 books
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	8 (60 / Class room)
d) Total number of class rooms with ICT	Yes	4 (60 / Class room)
e) Students' laboratories	Yes	1. Hardware Lab/30 2. Software Engineering Lab/70 3. Basic Programming Lab/70 4. Mobile Computing Lab/ 40
f) Research laboratories	Yes	1. Bioinformatics & Network Security

		Lab/ 15 2. Biomimetic and Cognitive Robotics Lab/10 3. Natural Language Processing Lab/10 4. Cognitive Radio Networks Research Lab/10 5. Network Security & Malware Research Lab/10 6. Network Lab/ 10
g) Archive/Museum/ Studio	No	-

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
25	21
Post-Doctoral	
0	2
Research Associates	
nil	nil

40. Number of post graduate students getting financial assistance from the university.

Programme	Number
Ph.D.	9

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The M. Tech, CSE programme have been developed based on feedback of Employers and Alumni input

42. Does the department obtain feedback from

(a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	No feedback from faculty is obtained on standard formats. The opinion of faculty on courses taught is discussed in DAC meetings.
(b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	1. Feedback from the students is taken at the end of each semester for all course instructors. 2. This feedback is shown to respective faculty member for self-evaluation. 3. Head of the Department individually meets the concerned course instructor having poor feedback and provides counseling. 4. Head of the Department discusses the summary of all feedbacks at the Departmental Advisory Committee (DAC) meeting at the end of the semester. 5. Corrective measures are reflected in the Course Plan Presentation at the beginning of subsequent semester.
(c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	Till recently alumni feedback was mostly in the form of personal communication with faculty members. A few employers' feedback were also received in the same way. These were duly discussed in DAC meetings. Recently (2015), we have started obtaining alumni feedback as well as employer's feedback in prescribed formats.

43. List the selected alumni of the department

Sl. No.	Name	Programme and batch	Current position/ achievement (if any)
1	Mr. Dibyajyoti Borah	M. Tech. - 1998	Manager (Info. Systems), ONGC, Sibsagar, Assam
2	Dr Bubu Bhuyan	M. Tech - 1999	Associate Professor and Head, Dept. of Information Technology, NEHU
3	Mr. Abhijit Bora	M. Tech - 1999	Manager (Info. Systems), Indian Oil Corporation Ltd. (Assam Oil Division)
4	Mr. Dibyajyoti Chutia	M. Tech. - 2001	Scientist-SE, North East Space Application Centre (NESAC), Dept of Space, GoI
5	Mr. Pranjal Saikia	MCA - 1999	Sr Team Leader, LG Soft India Pvt. Ltd., Bangalore (Location: Seoul, South Korea)
6	Mr Amlan Bora	MCA - 2000	Head of Supply Chain, Western Europe, Luxury Brands Company: Diageo Plc Base: Molenwerf 10-12, 1014 BG Amsterdam

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl. No.	Programme details	Date/s	Name of Experts
1	1- week lecture series on Knowledge Representation and Reasoning	16-20 Dec, 2015	Prof. R. Ramanujam, IMSc, Chennai Prof. Kamal Lodaya, IMSc, Chennai Prof. Paritosh Pandya, TIFR, Mumbai
2	Approximation algorithms for some TSP related problems.	17 April, 2013	Professor Binay Bhattacharya, Simon Fraser University Canada
3	Series of lectures related to basic probability & statistics	4-9 Nov, 2013	Prof. Alok Goswami, ISI kolkata
4	Talk on Crosstalk, Energy and Fibonacci Number Systems	2 May, 2014	Prof. Bhabani P. Sinha, ISI Kolkata
5	Special lecture	21 Apr, 2012	Prof B.V. Rajarama Bhat, ISI Bangalore
6	Talk on a Categorical Imperative for Computer Science	28 Jan, 2013	Dr. Partha Pratim Ghosh, ISI, Northeast center.
7	Special lectures	28-29 Oct, 2013	Dr S Sudhakar, Director, NE Space Application Centre, Meghalaya
8	A talk on Security Engineering at SAP Labs	18 Apr, 2014	Dr. Paul El Khoury, Research Scientist at the SAP Research Lab, Germany
9	Computation of quantitative timing properties of synchronous programs using Discrete Duration Calculus.	27 Mar, 2015	Paritosh K. Pandya, Tata Institute of Fundamental Research, Mumbai
10	Questions in Logic and Artificial Intelligence	16 Mar, 2015	Prof. R. Ramanujam, IMSc Chennai

45. List the teaching methods adopted by the faculty for different programmes.

- i) class room lectures and online course materials
- ii) laboratory exercises
- iii) seminars and term projects
- iv) project work
- v) Library/Take away assignments
- vi) e-learning
- vii) Special lecture by Experts of other institutes.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Through continuous discussions within the faculty and students of the department, seeking opinion from external experts, alumni.

47. Highlight the participation of students and faculty in extension activities.

The faculty and students sometimes take up computerisation work for other departments and offices in the University, as well as for other organisations.

48. Give details of “beyond syllabus scholarly activities” of the department.

All the faculty members are involved in research activities. In many of the courses students undertake study and experiments on topics/problems which are considered “open”.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

The MCA, B. Tech. (CSE) and M. Tech. (IT) programmes are AICTE approved. NBA Team has completed its visit for NBA accreditation

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The research outputs of the faculty in the respective areas are of very high standard, which have been published in reputed journals and conferences (see publication list). Some of these works are pioneering. Notable works include:

1. Natural language processing work in Assamese in the department is one of the first such works.
2. A distance cooperative spectrum sensing technique to improve detection performance.
3. DTV white space detection using CRN testbed.
4. Dynamic Firewall' solution out of CDAC-TU Joint Project funded by Department of Electronics and Information Technology, Government of India is selected for product release as part of the Digital India Week in Bangalore.
5. Department of CSE is recognized by MHRD, UGC and DeitY by facilitating extramural research grants of more than Rs 10.0 Cr for the period of five years.
 - (a) Established MHRD's Centre of Excellence under FAST to carry out research on Machine Learning and Big Data Analytics for the period 2014-19.
 - (b) MoU signed between TU and Ministry of IT to establish 'Centre for Advanced(High Performance) Computing' to facilitate Computing and Storage support to the researchers of NE region for the period 2015-20.
 - (c) MoU signed between TU and Ministry of IT to create facilities to offer Information Security Education and Awareness to the UG and PG students for the period 2015-20.

- (d) Received special funding under UGC SAP DRS II grant for the period 2015-20 to support Big Data Analytics research.

Important Research Finding ((a)-(d) are published in high IF journals)

- (a) Developed a robust DDoS Attack Generation Tool which is comparable to any global counterparts.
- (b) Developed a hardware enabled DDoS Defense solution which can provide response in real-time (in nano sec) with high accuracy.
- (c) Developed a robust and novel proximity measure (referred to as 'SSSim') which is accepted by Bioinformatics community as an effective tool for gene expression analysis.
- (d) Developed EIGHT different tools for gene expression and protein- protein interaction data analysis using Unsupervised Machine Learning techniques. The tools are made available in the public domain for the benefit of researchers.
- (e) Authored following two books
 - i. Network Anomaly Detection: A Machine Learning Perspective; Publisher: CRC Press; June 2013.
The book is able to pick up citation from the readers of various leading premier Institutions such as Stanford, PennState and some other Universities of USA.
 - ii. (ii)DDoS Attacks: Evolution, Detection, Prevention, Reaction and Tolerance'; Publisher: CRC Press; November, 2015.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1 Faculty strength-
06 Professors, 04 Associate Professors, 10 Assistant professors, 15 Teachers with PhD
Publications (referred, last five years) – 132 in journals, 72 in Conf., 9 books / Edited volumes;
Patents (by faculty)- 02
- 2 Departmental Recognition - MHRD CoE, DST FIST-I, UGC SAP DRS-I & DRS-II, AICTE NEQIP
Sponsored Projects -
Ongoing 05 worth Rs 554.84 L + 27255 GBP
Completed 09 worth Rs. 529.205 L
Laboratories - 04 General labs for UG and PG teachings, 06 Research labs
- 3 International Collaborations -
University of Bremen (Germany), University of Colorado (USA), University of Bath UK,
National Collaborations –
IIIT (Hyderabad), North Eastern Space Applications Centre, Shillong
Indian Statistical Institute (Kolkata), IIT, Delhi
- 4 Academic Programmes -
Ph. D. (awarded 15 till date, 46 registered scholars)
M. Tech. (IT) since 1997 MCA since 1994
B. Tech. (CSE) since 2006
- 5 Good infrastructure

Weaknesses

- 1 Inadequate teacher-student ratio - 1:20 (overall)
- 2 Hindrance due to remote location, particularly w.r.t railway and air connectivity
- 3 Inadequate response to advertisement for faculty positions
- 4 Inadequate feedback from stakeholders
- 5 Very marginal consultancy work by faculty and almost non-existent formal industry-institute interaction, because of locational disadvantage

Opportunities

- 1 Government's policy to promote higher technical education
- 2 Government's policy to encourage IT industry that can use Tezpur University's academic and research output.
- 3 Growing relevance of the thrust areas of the Department (machine learning, networks and network security, language engineering, etc.)
- 4 Enthusiasm among technical institutes and local industries of the region to collaborate with TU
- 5 Growing recognition of the Department by the major funding agencies and their willingness to sponsor research and academic activities in the Department

Challenges

- 1 Growth of large number of well-funded technical institutions that draw attention of stakeholders
- 2 Volatile global economic scenario that affects technical education
- 3 Many recruiters don't want to visit TU due to communication problem
- 4 Retention of faculties due to pay disparity between CUs and IITs, NITs
- 5 Rising cost of education

52. Future plans of the department.

New Programmes: M. Tech. in CSE

New research Initiatives: Cloud Computing

School of Engineering

1. Name of the Department: Electronics and Communication Engineering
and Electrical Engineering

2. Year of establishment: 1997

3. Is the Department part of a School/Faculty of the university?
Yes, School of Engineering

4. Names of programmes offered

S.N.	Name of Programme	Duration	Intake
1.	B. Tech. in Electronics and Communication Engineering	08 Semesters	60
2.	B. Tech. in Electrical Engineering	08 Semesters	30
3.	M. Tech. in Electronics Design & Technology	04 Semesters	28
4.	M. Tech. in Bioelectronics	04 Semesters	15
5.	Ph. D.	03 Years (Minimum) 05 Years (Maximum for full time students) 06 Years (Maximum for part time students)	Variable
6.	Advanced Diploma in Healthcare Informatics and Management	03 Years	30

5. Interdisciplinary programmes and departments involved

Programme	Departments
M. Tech. in Bioelectronics	<ul style="list-style-type: none"> Dept. of Computer Science and Engineering, Tezpur University Dept. of Molecular Biology & Biotechnology, Tezpur University Dept. of Mathematics, IIT Kharagpur.
Advanced Diploma in Healthcare Informatics and Management (<i>Part-time</i>)	<ul style="list-style-type: none"> Dept. of Computer Science and Engineering, Tezpur University Dept. of Mathematical Sciences, Tezpur University GNRC, Guwahati EMM Hospital, Tezpur

6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil

7. Details of programmes discontinued, if any, with reasons: Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Course Code	Course Name	Department/school under which offered
EL 475*	Basic Electrical Engineering & Electronics	Food Engineering & Technology
EL 476*	Instrumentation & Control in Food Processing	Food Engineering & Technology
EL 221*	Electronic Devices and Circuits	Computer Science & Engineering

** core courses for the departments of Food Engineering & Technology and CSE*

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others)

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	03	03	03 + 01(CAS) = 04
Associate Professor	06	06	06 - 01(CAS) = 05
Assistant Professor	07	07	07 + 03* (Electrical Engineering)
Others	NIL		

**contractual*

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D. students guided for the last 4 years
Manabendra Bhuyan	M. Tech. Ph. D.	Professor	Instrumentation Engineering	33	2
P. P. Sahu	M. Tech. Ph. D.	Professor	Optical Network, Clinical Instrumentation	24	4
Jiten Chandra Dutta	M. Tech. Ph. D.	Professor	Biosensors and Bioelectronics	28	2
Satyajib Bhattacharyya	M. Sc. Ph. D.	Professor	Microwave Antennas, Absorbers & Materials	21	2
Santanu Sharma	M. Tech. Ph. D.	Associate Professor	Devices (Bio-Electronics) Vehicular Power Electronics	13	nil
Soumik Roy	M. Tech. Ph. D.	Associate Professor	Neuro Engineering	13	nil
Bhabesh Deka	M. Tech. Ph. D.	Associate Professor	Image Processing, Computer Vision	11	nil
Vijay Kumar Nath	M. Tech. Ph. D.	Associate Professor	Image and Video Processing	15	nil
Nayan Moni Kakoty	M. Tech. Ph. D.	Associate Professor	Rehabilitation Robotics	09	nil

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D. students guided for the last 4 years
Deepika Hazarika	M. Tech.	Assistant Professor	Image Processing	16	nil
Riku Chutia	M. Tech.	Assistant Professor	Instrumentation, Machine Olfaction and Embedded Systems	9	nil
Ratul Kumar Baruah	M. Tech.	Assistant Professor	Nano Electronics	7	nil
Biplob Mondal	M. Tech.	Assistant Professor	Microsensors and Microfabrications	7	nil
Durlav Sonowal	M. Tech.	Assistant Professor	FPGA based system, ANN: Hardware Implementation	7	nil
Ananya Bonjyotsna	M. Tech.	Assistant Professor	Audio Processing	3	nil
Priyanka Kakoty	M. Tech.	Assistant Professor	MOS Gas sensor fabrication	5	nil
Angshuman Sharma	M. Tech.	*Assistant Professor	Power system	1	nil
Barnam Jyoti Saharia	M. Tech.	*Assistant Professor	Power electronics and Devices	3	nil
Munish Manas	M. Tech.	*Assistant Professor	Power System	3	nil

**contractual*

12. List of senior visiting fellows, adjunct faculty, emeritus professors: Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	%
B. Tech. in Electronics & Communication Engineering	0%
B. Tech. in Electrical Engineering	15% (Approximate)
M. Tech. in Electronics Design & Technology	0%
M. Tech. in Bioelectronics	0%
Advanced Diploma in Healthcare Informatics & Management (Part-time)	60%

14. Programme-wise Student Teacher Ratio

Programme	No. of students	No. of teachers	Ratio
B. Tech. in Electronics & Communication Engineering	207	06	35:1
B. Tech. in Electrical Engineering	29	03	10:1
M. Tech. in Electronics Design & Technology	48	07	7:1
M. Tech. in Bioelectronics	29	03	10:1
Ph. D.	26	08	3:1

Programme	No. of students	No. of teachers	Ratio
Advanced Diploma in Healthcare Informatics & Management (Part-time)	24	*04	6:1

**Guest faculty*

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
Technical Officer	01	01	01
Technical Assistant	02	02	03
Technician	01	01	01
Machine Operator	01	00	00
Laboratory Assistant	02	02	02
Office Assistant	01	01	01
Office Attendant	01	01	01

16. Research thrust areas as recognized by major funding agencies

Research area	Funding Agency
Instrumentation Engineering	DST
Optical Network, Clinical Instrumentation	DST, AICTE
Microwave Antennas absorbers and Materials	BRNS-DAE; Sameer, Mumbai
Biosensors and BioElectronics	UGC
Image processing, Computer Vision	UGC, DST-SERB
Nanoelectronics	DST
Wireless Communication	ISRO

17. Number of faculty with ongoing projects from

- a) National agencies : 06
- b) International funding agencies : NIL
- c) Total grants received : ₹ 143.8 lakhs

Names of the funding agencies, project title and grants received project-wise.
(List of projects submitted in the enclosed format, Vol-II B)

18. Inter-institutional collaborative projects and associated grants received: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S.N.	Project	Year	Level	Sanctioned amount (in lakhs)
1	Deity, MIT Govt. of India,	2013-2016		332.77
2	DST-FIST	2011-2016		137.00
3	UGC-SAP	2012-2017	I	69.00
4	AICTE MODROB-I	2013-2015		13.00
5	AICTE MODROB-II	2013-2015		13.00
6	NEQIP	2014-2017		24.63 (First year instalment)

20. Research facility / centre with state/national/international recognition: NA

21. Special research laboratories sponsored by / created by industry or corporate bodies
Nil

22. Publications

Publication type	Year			
*Number of Papers published in peer reviewed journals	2014-15	2013-14	2012-13	2011-12
<i>National journals</i>	1	3	1	1
<i>International journals</i>	30	37	21	21
<i>Regional</i>				
Conference Proceedings	30	29	38	41
Books (with ISBN) & Monographs	02	01		
Chapters in Books	00	01		
Edited Books				
Important Translated work				
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)				
Citation Index – range / average	0-170			
SNIP	-			
SJR	-			
Impact Factor – range / average	0-3.8			
h-index- range/average	0-13			

23. Details of patents and income generated

Faculty	Details of patent	Income generated
Santanu Sharma, Barnalee Sarma, Riku Chutia, Partha Pratim Dutta	Vehicle on board alignment detection and correction system (For Mac Pherson and Double Wishbone type) 1460/KOL/2010 (Filed)	NIL

24. Areas of consultancy and income generate: Nil**25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad**

Name	In what capacity	Sponsoring agency	Place of visit	Duration & time period
M. Bhuyan	Co-PI	DeitY	Hind High Vac, B'lore	29 Jan- 1Feb, 2014
Nayan M. Kakoty	Post Doctoral Fellow	City University of Hong Kong	City University of Hong Kong	Nov., 2014 - Feb, 2015
	Visiting Scholar	Autonomous Robotics LAB, IIT Delhi	Delhi, India	24 Jun- 2 Jul, 2013
Ratul Kumar Baruah	Visiting Research Fellow	DST-FIST-NER	IIT, BOMBAY	7 Jun- 15 Jul, 2011
Munish Manas	Visiting Faculty	National Power Training Institute (Faridabad)	Faridabad	Feb., 2015
	Visiting Faculty	Powergrid Corp. of India Ltd., Training Centre	Manesar, Haryana	Mar, 2015

26. Faculty serving in**a) National committees b) International committees c) Editorial Boards****d) Reviewer of reputed journals (e) any other (please specify)**

Name	National committees	International committees	Editorial Boards	Reviewer	Others
M. Bhuyan	DP of DST				DST Project Reviewer
P. P. Sahu	1. Board of Study, NEHU, Shillong 2. Member, Finance Committee, NIT, AP	NIL	NIL	1. IEEE Trans. on Wireless Comm. 2. IEE Proceedings of Communication. 3. J. of Appl. Physics 4. Optics Comm. 5. IEEE Photonics Technical Letters 6. Physical R. Letter. 7. IEEE J. of Lightwave Tech. 8. Biosensor and Bioelectronics 9. IEEE Trans.on VLSI Technology 10. J. of Optics	Member, Executive body of Optical Society of India
B. Deka				1. DSP Elsevier 2. IET Image Processing 3. IEEE trans. on Image processing	
V. K. Nath				SPIE Journal of Electronic Imaging	
Nayan M. Kakoty			Assoc. Editor in Paladyn. Journal of Behavioral Robotics		
R.K. Baruah				1. IEEE Trans. on Electron Devices 2. IEEE Trans. on Nanotechnology, 3. Experimental Nanoscience, 4. IETE Journal of Research	
B. Mondal				1. Sensor Letters 2. Nano-Micro Letters	
P. Kakoty		1. Int. Assoc.			

Name	National committees	International committees	Editorial Boards	Reviewer	Others
		of Engineers, 2. IAENG Society of Electrical Engineers, 3. IAENG Society of Industrial Engineers			

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Programme and Organiser	Period
Satyajib Bhattacharyya	1. Indian Antenna Week, Gangtok	27-31 May, 2012
	2. Workshop on RF and Microwave Technology, Tezpur University	24 -26 Mar., 2014
S. Sharma	1. Saksham-IT Champion Training Program	19 -28 Apr., 2013
	2. ISTE Workshop on Analog Electronics	4-14 Jul, 2013
Bhabesh Deka	1. Workshop on “Introduction to Natural Language Processing” by Central Instt. Of Indian Languages, Mysore at TU.	11 -15 Jul, 2011
	2. QIP AICTE sponsored short-term course on VLSI Architectures for Image and Video Processing Systems, IIT Guwahati	19 -23 Sept, 2011.
	3. One-week workshop on Advances in Photonic, Electronic and Communication Systems (APECS-2012) at TU	23 -27 Jan, 2012.
	4. ISTE workshop on “Introduction to Research Methodologies” conducted by IIT Bombay under the National Mission on Education through ICT (MHRD) at TU	25 Jun - 4 July, 2012
	5. Training programme on FPGA design on Altium Tools by Entuple Technologies Pvt. Ltd., Bangalore held at TU	21 -25 Aug, 2012.
	6. ISTE workshop on “Aakash for Education” conducted by IIT Bombay under the National Mission on Education through ICT (MHRD)	10 -11 Nov, 2012
	7. Workshop for the North-Eastern region on “Advances in Document Analysis and Retrieval” jointly by Computer Vision and Pattern Recognition Unit (CVPRU), ISI Kolkata and Dept. of ECE, Gauhati Univ.	7 -11 Mar, 2013.
	8. ISTE Workshop on Analog Electronics under the National Mission on Education through ICT (MHRD, Govt. of India) conducted by IIT Kharagpur.	4 – 14 Jun, 2013

Name	Programme and Organiser	Period
	9. Workshop on Image and Speech Processing (WISP-2013) conducted by IIT Guwahati.	13 -14 Dec, 2013
	10. ISTE Workshop on Fluid Mechanics under the National Mission on Education through ICT (MHRD, Govt. of India) by IIT Kharagpur.	20- 30 May, 2014
	11. TEQIP sponsored workshop on “Recent Advances in Signal Processing and Semiconductor Devices” at NERIST, Itanagar	24 – 29 Jan, 2014.
	12. 4 th National Workshop on Advances in Communication and Computing organized by AEC, Guwahati	26 -27 Sep, 2014
	13. FDP on “Current Approaches in Teaching and Research in Science and Technology”, School of Engineering Tezpur University under FDP of AICTE – NEQIP Scheme.	15 -27 Dec, 2014
V. K. Nath	1. Workshop on An Introduction To Natural Language Processing at the Dept. of Computer Science Engineering, TU	11– 15 Jul, 2011
	2. QIP -AICTE sponsored short term course on VLSI Architectures for Image and Video Processing Systems, IIT Guwahati, Dept. of Electronics and Electrical Engg.	19 - 23 Sept, 2011
	3. Workshop on Advances in Photonic, Electronic and Communication Systems, TU	23- 27 Jan, 2012
	4. 2-Week ISTE workshop on Analog Electronics conducted by IIT, Kharagpur	4-14 Jun, 2013
	5. 2-Week ISTE workshop on Introduction to Research Methodologies, IIT, Bombay	25 Jun- 4 July, 2013
	6. 2- days ISTE workshop on Aakash for Education conducted by IIT, Bombay	10- 11 Nov, 2012
	7. 2-Week ISTE workshop on Computer programming conducted by IIT, Bombay	20 May –2 Jun, 2014.
	8. FDP on Current Approaches in Teaching and Research in Science and Technology under AICTE-NEQIP, School of Engineering, TU	15 -27 Dec, 2014.
	9. Microsoft SAKSHAM-IT Champion Training Program by Microsoft and TU	19-28 Apr, 2013
Nayan Moni Kakoty	1. School on Intelligent Systems and Control, IIT, Kanpur, INDIA.	5– 9 Oct, 2011
	2. International Workshop on Autonomous Vehicles and Mobile Robotics, Indian Institute of Technology Delhi, INDIA.	5- 7 Jul, 2014
	3. 5 th Indian School on Logics and its Applications, Tezpur University	1-14 Jan, 2014
Riku Chutia	1. Workshop on Analog Electronics, IIT Kharagpur.	1-5 Apr, 2013
	2. Workshop on Solar Photovoltaics, IIT Bombay	12-22 Dec, 2011

Name	Programme and Organiser	Period
	3. Workshop on Fluid Mechanics, IIT Kharagpur.	20 - 30 May, 2014
	4. Workshop on Computer Programming, IIT Bombay	20 May - 21 Jun, 2014
	5. Faculty development Program on current approaches in Teaching & Research in Science & Technology, TU	15-27 Dec, 2014
Deepika Hazarika	1. Workshop on An Introduction To Natural Language Processing, Deptt. of Computer Science Engineering, TU	11-15 Jul, 2011.
	2. QIP - AICTE sponsored short term course on VLSI Architectures for Image and Video Processing Systems, IIT Guwahati, Deptt. of Electronics and Electrical Engg.	19-23 Sept, 2011.
	3. Workshop on DIT Workshop on Speaker Verification: Development and Applications, IIT Guwahati, Organized by EEE Deptt. and CSE Deptt. IIT Guwahati	13-17 Feb, 2012.
	4. Workshop on Advances in Photonic, Electronic and Communication Systems, TU	23- 27 Jan, 2012.
	5. 2- Week ISTE workshop on Analog Electronics conducted by IIT, Kharagpur	4-14 Jun, 2013.
	6. 2-Week ISTE workshop on Introduction to Research Methodologies, IIT, Bombay	25 Jun – 4 Jul, 2012
	7. 2-day ISTE workshop on Aakash for Education , IIT Bombay	10-11 Nov, 2012
	8. 2-Week ISTE workshop on Computer programming conducted by IIT, Bombay	20 May - 21Jun, 2014.
	9. FDP on Current Approaches in Teaching and Research in Science and Technology under AICTE-NEQIP, School of Engineering, TU	15 -27 Dec, 2014
Ratul Kumar Baruah	1. 2-Day Familiarization Workshop on Nanofabrication Technologies, IIT Bombay & TU	25-26 Apr, 2015.
	2. Workshop on NEMS and Theranostic Devices, IIT Guwahati.	16-17 Mar, 2015
	3. QIP Sponsored STC on RF and Photonics: Fundamentals & Advances, IIT Guwahati.	23 – 27 Feb, 2015
	4. FDP on ‘Current Approaches in Teaching and Research in Science and Technology’, TU	15-27 Dec, 2014
	5. 2-week ISTE main workshops on Fluid Mechanics by IIT Kharagpur	20-30 May, 2014
	6. 2-week ISTE main workshops on Analog Electronics, by IIT Kharagpur ICETACS 2013, Shillong.	13-14 Sept, 2013
	7. 17 th INUP Hands-on Training Workshop on Nanofabrication Technologies, IITBombay.	27-30 Jul, 2013
	8. IEEE International MOS-AK/GSA INDIA workshop, Indian National Academy of Engineering, Noida, India.	16-18 Mar, 2012

Name	Programme and Organiser	Period
	9. Hands on training on MEMS Design under NPMAS at CEERI Pilani.	17-28 Jan, 2011.
	10. Winter School on Signal processing, IIT Guwahati (WISSAP 2011).	8-11 Jan, 2011.
Biplob Mondal	1. “Current Approaches in Teaching and Research in Science and Technology”, School of Engineering, TU under FDP of AICTE – NEQIP	15 -27 Dec, 2014
Durlav Sonowal	1. 2-week ISTE Workshop Introduction to Research Methodologies	25 Jun - 4 July, 2012
	2. 2-day ISTE Workshop Akash for Education	10-11 Nov, 2012
	3. Advances in Photonics, Electronic and Communication System (APECS-2012)	23 -27 Jan, 2012
	4. Possibilities of Electronics R & D and Applications in the North East.	29 Jul, 2011
	5. ISTE Workshop Analog Electronics	June 4 – 14, 2013
Priyanka Kakoty	1. 2-day MHRD workshop on Akash Education through A-View, IIT Bombay at TU	December. 2012
	2. 1- week Coordinators workshop on Analog Electronics at IIT Kharagpur, NMEICT, MHRD.	1 – 5 Apr, 2013
	3. (Coordinator) 2- week NMEICT workshop on Analog Electronics at TU remote centre, by IIT Kharagpur	4 – 14 Jun 2013
	4. IEEE Workshop on MEMS, Microfluidics & Microsystems with Hands-on Training in device simulation and microfabrication process, IIT Kharagpur.	4-6 Jul, 2013
	5. 2- week-NMEICT workshop on ‘Fluid Mechanics’ (online workshop) by IIT Kharagpur at TU.	20- 30 May, 2014
	6. 2-week NMEICT workshop on Computer Programming at TU, organized by IIT Bombay.	20 -21 May, 2014
	7. Hands-on training on nanofabrication, by INUP at IISc, Bangalore	24 Jun - 3 Jul, 2014.
	8. AICTE-NEQIP sponsored FDP on “Current approaches in teaching and research in science and technology” at TU.	15-27 Dec, 2014
	9. Scilab training with spoken tutorial project, IIT Bombay funded by NMEICT, MHRD at TU.	26 Dec’ 2014.
	10. Academic workshop on “Instrumentation and Control” organized jointly by Petroleum Federation of India & IOCL, Digboi.	19-20 Feb, 2015.
Angshuman Sharma	1. FDP on “Current Approaches in Teaching and Research in Science and Technology”, School of Engineering, TU under FDP of AICTE – NEQIP	15 -27 Dec, 2014
Barnam Jyoti Saharia	1. 1-day workshop on “Indian Power Scenario” at NIT, Agartala.	4 Sep, 2013
	2. Short term course on “Recent Trends in Power Engineering and Management”, Dept of Electrical Engg, Assam Engineering College, AICTE-NEQIP scheme.	19 to 23 Jan, 2015

Name	Programme and Organiser	Period
Munish Manas	1. Workshop on “Computational Intelligence & its application to Smart Grid”, I.I.T. Delhi	26-27 Dec, 2012
	2. Familiarization Workshop on Nanofabrication Technologies, INUP IIT Bombay and IISc Bangalore, TU	25-26 Apr, 2015.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
M. Tech. in Electronics Design and Technology	50%
M. Tech. in Bioelectronics	42%
B. Tech. in Electronics and Communication Engineering	100%

- percentage of students doing projects in collaboration with other universities / industry / institute

Name of Programme	Percentage
M. Tech. in Electronics Design and Technology	50%
M. Tech. in Bioelectronics	58%
B. Tech. in Electronics and Communication Engineering	0%

28A. Internship for students of outside institutes

Year	No of students	Participating institutes	Sponsoring agencies
2014 -15	5	<ul style="list-style-type: none"> IIT, Jodhpur Bhagat Phool Singh Mahila Viswavidyalaya, Sonipat Sir Padmapat Singhanian University NIT, Manipur 	Tezpur University
2013 -14	28	<ul style="list-style-type: none"> Assam Engineering College Anna University Chennai Haldia Institute Of Technology, WB IIIT Bhubaneswar, Orissa NIT, Sikkim 	Tezpur University
2012 -13	01	<ul style="list-style-type: none"> JNTUA College of Engg, Pulivendula 	Tezpur University
2011 -12	01	<ul style="list-style-type: none"> Assam Engineering College, Guwahati 	Tezpur University

29. Awards / recognitions received at the national and international level by

- Faculty

Name	Award/recognition	Year
S. Konwar, T.B. Singh, S. Roy	Special Mention Award IEEE 2014, International Conference on Information Technology, ISI Kolkata	2014
A. Saikia, K. Baruah, S. Sharma	Best Paper, International Conference on Emerging Trends in Electrical, Electronics, Instrumentation & Computer Engineering (ETEICE) 27th March, 2014.	2014

P. P. Sahu	<ul style="list-style-type: none"> ○ INSA Teacher Award ○ IEEE Senior Member Award 	2013 2013
Munish Manas	Best Paper Award, Power & Energy Track, IEEE International Conference CICT-15, ABES Ghaziabad.	2015
Nayan M. Kakoty	Best Poster Award in the International Conference on Advances in Robotics 2013, Robotics Society of India, ACM Publication.	2013

- **Doctoral / post doctoral fellows:** Nil
- **Students**

Name	Award/recognition	Year
T. Bhuyan, T. Barman and P. P. VEDI	Prof. S. K. Mukharjee GOLD Medal in Anveshan 2013, Assoc. of Indian Universities Student Research Convention, 20-22 Mar, 2013, TISS, Mumbai. First Position in the category of Engineering and Technology in Anveshan 2013, Association of Indian Universities Student Research Convention, March 20-22, 2013, TISS, Mumbai. First position in IEEE Best Student Project Award 2013, March 2-3, 2013, MNIT, Bhopal.	2013
S. K. Choudhary D. Chakraborty	First position in IEEE Best Student Project Award 2012, March 1-2, 2013, MNIT, Bhopal.	2012

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/ eminent participants, if any.

Name of Faculty Coordinator	Seminar/Conferences/workshops organized(National/International)	Source of funding	Eminent Participant/ resource person
S. Roy	Advances in Photonics, Electronics and Communication Systems, 23 -27 Jan, 2014	UGC (NRCPS)	Faculty from IRPEL, Calcutta University & Jadavpur Univ.
	Introduction to research Methodologies , 25 Jun – 04 Jul 2012		Faculty from IIT Bombay
	Aakash For Education, 10 Nov – 11 Nov, 2012		Faculties from IIT Bombay
	Aakash Android Application Programming – Students, 23 Feb – 03 Mar, 2013		Faculty from IIT Bombay
	Analog Electronics, 04 – 14 Jun, 2013		Faculty from IIT Kharagpur
	Green Building Awareness, 24 Aug, 2013		Faculties from IIT Bombay
	Engineering Mechanics, 26 Nov – 06 Dec, 2013		Faculty from IIT Bombay
	Computer Programming, 16 Jun – 21 Jun, 2014		Faculty from IIT Bombay
	Fluid Mechanics, 20 May – 30 May		Faculty from IIT

Name of Faculty Coordinator	Seminar/Conferences/workshops organized(National/International)	Source of funding	Eminent Participant/ resource person
	2014		Kharagpur
	Computer Networking, 30 Jun – 05 Jul, 2014		Faculties from IIT Bombay
	Pedagogy For Effective Use Of ICT In Engineering, 05 – 21 Jan 2015		Faculties from IIT Bombay
	Design of Algorithm, 25 May – 30 May 2015		Faculty from IIT Kharagpur
	Environmental Studies, 02 – 12 June 2015		Faculty from IIT Bombay
B Mondal	2 Day Familiarization Workshop on Nanofabrication Technologies. April 25-26 th , 2015.	DeitY	Faculty from IIT Bombay & IISC Bangalore
Bhabesh Deka	APECS -2012 jointly organized by Calcutta University and Tezpur University	Calcutta University	Faculty from Instt. of Radio Physics & Electronics, Calcutta University
Priyanka Kakoty	NMEICT Workshop on “Analog Electronics”, 4 th to 14 th June, 2013 at TU, Remote Centre, Organized by IIT Kharagpur.	IIT Kharagpur	Faculties from IIT Kharagpur
P.P. Sahu	Hands on Training for Microfabrication, Dept of ECE, Tezpur University, Dec., 2014.	DeitY	Prof. P.P. Sahu
M. Bhuyan, Head, CIIE	3 Day Skill Development Programme on Fabrication of Aluminum building construction Structures 21-23 Mar, 2015	MSME	Faculties of ECE and ME, IIT Guwhati

31. Code of ethics for research followed by the departments

- Experiments on animals/ human subjects are through the permission of Tezpur University Ethical Committee.
- Plagiarism checking through standard software tools provided by INFLIBNET.

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
M. Tech. in Electronics Design and Technology	549	16	13	100	100
M. Tech. in Bioelectronics	178	10	06	100	100
B. Tech. in Electronics and Communication Engineering	Admission through JEE (4850)	48	09	100	100
B. Tech. in Electrical Engineering		27	05		
2013-14					
M. Tech. in Electronics Design and Technology	792	18	08	100	100

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M. Tech. in Bioelectronics	185	08	07	100	100
B. Tech. in Electronics and Communication Engineering	Admission through AIEEE/JEE (5800)	41	14	100	100
2012-13					
M. Tech. in Electronics Design and Technology	462	26	10	100	100
M. Tech. in Bioelectronics	96	11	09	100	100
B. Tech. in Electronics and Communication Engineering	Admission through AIEEE (5400)	44	19	100	100
2011-12					
M. Tech. in Electronics Design and Technology	413	28	13	100	100
M. Tech. in Bioelectronics	92	09	07	100	100
B. Tech. in Electronics and Communication Engineering	Admission through AIEEE (5750)	47	10	100	100

33. Diversity of students

Year	Name of the Programme (refer to item no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2013-15	M. Tech. in Electronics Design and Technology	6.5	63	30.5	NIL
2013-15	M. Tech. in Bioelectronics	3.9	82	14.1	NIL
2014-18	B. Tech. in Electronics and Communication Engineering	-	62.5	37.5	NIL
2014-18	B. Tech. in Electrical Engineering	-	65.5	34.5	NIL

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. (details, wherever possible should be kept)

	No of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	-	-	-	-	-
NET LS	-	-	-	-	03
GATE	02	21	18	04	05
Civil Services	-	-	-	-	-

	No of students qualified				
Engineering Services	-	-	-	-	-
Defence services	-	-	-	-	-
Others (Specify) CAT	05	-	-	-	-

35. Student progression

Student progression	Percentage against enrolled
UG to PG	17.4
PG to M.Phil.	NA
PG to Ph.D.	9.2
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	39
• Other than campus recruitment	61

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	57.9 %
from other universities within the State	10.5 %
from universities from other States	31.6 %
from universities outside the country	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph.D.	06

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	Yes	1/330 (Books)
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	06+01(common for B. Tech. 1 st & 2 nd sem.)
d) Total number of class rooms with ICT	Yes	03
e) Students' laboratories	Yes	15
f) Research laboratories	Yes	12
g) Archive/Museum/ Studio (as applicable)	Yes	Common display and achieving centre called TUNNOVATION where designs and concepts developed along with those from other departments are placed.

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
17	09
Post-Doctoral	
Nil	Nil
Research Associates	
Nil	Nil

40. Number of post graduate students getting financial assistance from the university.

Programme	Year	Number
M. Tech. in (Electronics Design and Technology + Bioelectronics)	2014- 2015	8
	2013-2014	13
	2012-2013	8
	2011-2012	5
B. Tech. in ECE	2014- 2015	28
	2013- 2014	10
	2012- 2013	94
	2011- 2012	69

41. Was any need assessment exercise undertaken before the development of new programme (s)? If so, highlight the methodology.

Yes, the need analysis was done in using different approaches such as

- Discussion with alumni of the department
- Taking opinions from academicians from different educational institutes.
- Highlights of Smart Grid Milestones and Activities mentioned in Smart Grid Vision and Roadmap for India, Ministry of Power Government of India, August 12, 2013.
- The 12th Plan recommends power generation planning based on an estimated 9% growth in required energy each year. Accordingly, a capacity addition of 75,785 MW is projected in the 12th Plan.
- Reliance power plans coal-based power projects of 20,000 MW capacity in the next five years in addition to hydro power projects.
- Discussion in departmental advisory committee meetings.

42. Does the department obtain feedback from

a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	The DAC discusses any significant inputs coming through the self appraisal report and accordingly initiates necessary action. Feedback from faculty members is taken for discussion in departmental advisory committee meetings regarding different matters such as curriculum revision, introduction of new electives, and teaching-learning-evaluation. New electives are introduced after getting it reviewed by experts from academia and industry.
b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

	Yes. Student feedbacks are discussed in DAC meeting and corrective measures are taken, if necessary.
c)	Alumni and employers on the programmes offered and how does the department utilize the feedback? Based on the feedbacks DAC discusses regarding revision of the syllabus. This is also done through some informal interaction.

43. List the selected alumni of the department

S. No.	Name	Programme and batch	Current position/ achievement (if any)
1.	Mr. Chayan Dutta	M. Tech. in Electronics Design and Technology (1999).	Scientist F, ISRO
2.	Vijayanta Mohan	M. Tech. in Electronics Design and Technology (2006)	Director, Zaubha Corporation
3.	DhrubaJyoti Sharma	M. Tech., Electronics Design and Technology (1999)	Principal Design Engineer, Microchip Corp., Bangalore.
4.	Mohendra Roy	M. Tech., Bioelectronics	Research Scholar, Korea University. He has invented a microscope that does not use a lens.
5.	Dr. Tapan Kumar Gandhi	M. Tech. in Bioelectronics (2004)	Assistant Professor Department of Electrical Engineering IIT, Delhi
6.	Mr. Nilotpal Saikia	B. Tech., ECE	Scientist B, DRDO.

44. Give details of student enrichment programmes (special lectures / workshops seminar) involving external experts.

S. No.	Programme details	Date/s	Name of Experts
1.	i) Space Craft telemetry, telecommand, data handling and storage ii) Realization of hardware for space based system	6/4/2015	Mr. Chayan Dutta
2.	Industrial application of microwave technology	12/12/2014	Dr K. P. Ray
3.	ESDM workshop	15/3/2015	<ul style="list-style-type: none"> • Dr Gaurav Trivedi, IITG • Dr Vijay Nath, BIT, Mesra

45. List the teaching methods adopted by the faculty for different programmes.

- Direct classroom teaching
- Project work, seminar, mini project
- Design problems
- Practical experiments and hands on training
- Datasheet analysis
- Survey of recent technologies through internet

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- a) Students' feedback on teaching and course content is taken in each course
- b) Performance of students in Competitive exam
- c) Students' performance in campus placements.
- d) Recruiters feedback
- e) Feedback from alumni and industry
- f) Publications in Journals

47. Highlight the participation of students and faculty in extension activities

1. At university level, extension activity is carried out with the help extended by faculty from various departments including the department of ECE.
2. Students from the department of ECE actively take part in NSS activities such as blood donation camps, campus greening etc.
3. Student and faculty participation in extending help to people affected by any natural calamities like flood.

48. Give details of “beyond syllabus scholarly activities” of the department.

- i) Open competitions organized as part of the annual techno-cultural festival, TechXetra. Moreover, faculty members act as mentors/advisors to students/teams from the department.
- ii) Participation in different competition organized by different institutions/ society at different parts of the country e.g. Technique (I.I.T. Guwahati), Techfest (I.I.T. Bombay), A.E.C. (Guwahati), Dibrugarh University (Dibrugarh) etc.
- iii) Students from different departments are exposed to different research labs. of the university.
- iv) Special lectures organized by SAE, Tezpur University Chapter.
- v) Hands on training and lectures from eminent persons for research students in the Microfabrication facility
- vi) Screening of documentaries beyond class hours
- vii) Invited lectures by reputed academicians/ researchers and accomplished alumni.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

- The following programmes offered by the Departments are recognized by AICTE,
 1. M. Tech. in Electronics Design and Technology
 2. M. Tech. in Bioelectronics
 3. B. Tech. in ECE.
- NBA (Visit for accreditation of B. Tech. ECE program completed in Nov., 2015)

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

During last five years

- Publications
 - International Journals = 109
 - National Journals = 06
 - Conference = 138

- Books and Monographs = 03
 - Book Chapter = 01
- Patents
 - Two (Filed)
- Product prototype
 - Handheld E-Nose for Tea Grading under DST funding
- Books
 - 2 (CRC Press, Taylor and Francis)

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1 A healthy work culture with both students and faculty motivated to work beyond office hours
- 2 Hardware based designs and projects
- 3 Research level expertise, facilities and activity in contemporary relevant areas including Communication, Instrumentation, Microwave, Biosensors, Device Modeling, Image Processing, Optical Networks, Gas Sensors, Biomedical Instrumentation
- 4 Fabrication facility to cater to the requirements of academic institutions, industry and research establishments across the country in the field of MEMS, micro-sensors and integrated optic devices.
- 5 Steady increase in the number of GATE qualified students

Weaknesses

- 1 Placement statistics
- 2 High student to teacher ratio
- 3 Number of laboratory/technical and office staff vis-à-vis the number of programmes and workload in the department
- 4 Existing faculty number being a constraint in offering elective courses
- 5 Collaboration/ Exchange programme with other Institutions of higher education and Industry

Opportunities

- 1 More job oriented electives can be offered by inducting new faculty from different specializations
- 2 Setting-up of industry sponsored training centers
- 3 Providing consultancy to the allied Industry in areas where the faculty have proven competence
- 4 Translating research outcomes to commercial prototypes
- 5 To initiate need based customized solutions for the benefit of the rural populace in the North Eastern region of India

Challenges

- 1 Attracting faculty to augment specialization diversity
- 2 Improving the placement scenario
- 3 Motivating graduates for entrepreneurship in the core domain
- 4 Establishment and maintenance of sophisticated instruments due to remote location
- 5 Promoting collaborative research with other institutes and industries that visibly impacts society

52. Future plans of the department

- a. To provide an environment conducive to enriched learning opportunities both in theory and practice, thereby to groom future leaders in the domains of electronics engineering
- b. To bridge the gap between the existing placement scenario and the expectations of students by evolving effective strategies
- c. To set-up adequate laboratory facilities in all active areas of research in the department
- d. To evolve and implement strategies so that the programmes offered by the department attains parity with the best in the country in the next 10 years

School of Engineering

1. Name of the Department : Department of Energy

2. Year of establishment : 1996

3. Is the Department part of a School/Faculty of the university?

Yes, School of Engineering

4. Names of programmes offered

Sl. No.	Name of Programme	Duration	Intake
1	M. Tech. (Energy Technology)	2 years	28
2	Ph. D. (Energy)	3-6 years	Variable
3	B. Voc. (Renewable Energy Management)	3 years (modular)	50

5. Interdisciplinary programmes and departments involved: Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

7. Details of programmes discontinued, if any, with reasons: Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Course	Offered under department/school
IP401 Intellectual Property Rights	Intellectual Property Rights Cell
ES510 Energy & Environment	Department of Environmental Science
FT434 Energy Conservation in Food Processing	Department of Food Engineering and Technology

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	3	2	-
Associate Professor	1	1	-
Assistant Professor	5	5	-
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph. D students guided last 4 years
Debendra Chandra Baruah	Ph. D.	Professor	Energy Management, Renewable Energy	24	6
Dhanapati Deka	Ph. D.	Professor & Head	Bio-Energy, Energy-Environment	22	5

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph. D students guided last 4 years
S K Samdarshi*	Ph. D.	Professor	Solar Energy, Energy Materials, Energy Education	16	4
Rupam Kataki	Ph. D.	Associate Professor	Biofuels, CDM, Energy & Environment Interface	10	1
Sadhan Mahapatra	M. Tech.	Assistant Professor	Biomass Gasification, Climate responsive buildings, Decentralized Energy Options, Energy conservation	15	nil
Pradyumna Kumar Choudhury	M. Tech.	Assistant Professor	Solar Energy, Hybrid Energy System, Energy Conservation, Instrumentation & Control	4	nil
Pankaj Kalita**	Ph. D.	Assistant Professor	Energy conversions, clean coal technology, solar thermal devices	2	nil
Biraj Kumar Kakati	Ph. D.	Assistant Professor	Fuel Cell, Electrochemical analysis, Carbon polymer nano-composite	1	nil
Nabin Sarmah	Ph. D.	Assistant Professor	Solar Energy, Photovoltaic Energy Systems	1	nil
Bibha Boro***	M. Tech.	Assistant Professor	Renewable Energy, Solid State Dye Sensitized Solar Cells and Energy management	1	nil

* Moved to Central University of Jharkhand ** Moved to IIT, Guwahati

*** Under B.Voc. Programme

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors**Adjunct Professor: 01**

1. Prof. Hirak Patangia, College of Engineering and Information Technology, UALR, USA

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	%
M. Tech. in Energy Technology (Course: Petroleum Exploration, Drilling and Production)	80%
B. Voc. (Renewable Energy Management)	50%

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
M. Tech. (Energy Technology)	48	8	6:1
Ph.D.	21	3*	7:1
All departmental programmes (excluding Ph.D.)	48	8	6:1
B. Voc. (Renewable Energy Management)	4	1	4:1

*No of eligible teachers to guide PhD research

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
Technical Officer	01	01	01
Technical Assistant	01	01	01
Laboratory Assistant	01	01	01
UDC	01	01	01
MTS	01	01	01

16. Research thrust areas as recognized by major funding agencies

Research area	Funding Agency
Solar Energy and Energy Materials	AICTE, DST, MNRE
Biodiesel, Platform Biofuel	UGC, DST
Biomass and Biowaste inventorization; Biochar	DBT, UGC
Bioenergy & Renewable Energy Planning	DST, UKIERI, EPSRC, RCUK

17. Number of faculty with ongoing projects from

- a) National agencies : 03
- b) International funding agencies : 01
- c) Total grants received : ₹ 249.56 lakhs

Names of the funding agencies, project title and grants received project-wise.

(List of projects submitted in the enclosed format, Vol-II B)

18. Inter-institutional collaborative projects and associated grants received

	Name of Investigator/s	Collaborators	Sanctioned amount (₹ in Lakh)	Funding Agency
National				
1	D. C. Baruah	Biogen Industries, Clenopolis	28.54	DST
2	Rupam Kataki	Dr. B Borkataky, KVK-Sonitpur, AAU	12.95	UGC

International				
1	D. C. Baruah	Prof. Michele Clarke and Prof. Trevor Drage, University of Nottingham, UK	15.72	UGC-UKIERI
2	D. C. Baruah	Prof. Michele Clarke and Dr Helen West, University of Nottingham, UK	4.39	EPSRC (Indo-UK)
3	D. C. Baruah	Prof. H. Chanakya, IISc; Prof. P. Mahanta, IIT Guwahati; Prof. Ajay Kumar, JNU; Dr. Nitin Labhsetwar, NEERI; Mr. Svati Bhogle, TIDE; Prof. Hema R, MSE; Prof. Michele Clarke, University of Nottingham Dr. Artur Majewski, University of Birmingham; Dr. Namrata Rao, Liverpool Hope University; Prof. Andrew Wheatley, Loughborough University; Prof. Lynn M, Manchester Metropolitan University; Dr. Martin Phillips, University of Leicester	198	DST-UKRC
4	D. Deka	Prof. Jyri-Pekka Mikkola, Abo Akademi University, Finland	34.61	DST Indo-Finland
Total			294.21	

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sl. No.	Project	Year	Level	Sanctioned amount
1	DST-FIST	2009-11	Level I	₹ 23.00 lakhs

20. Research facility / centre with state/national/international recognition

Facility/centre	State/National/International
Biofuel Testing & Characterization Facility	National
GIS Mapping Facility	International

21. Special research laboratories sponsored by / created by industry or corporate bodies

22. Publications

Publication type	Year			
Number of Papers published in peer reviewed journals	2014-15	2013-14	2012-13	2011-12
<i>National journals</i>	nil	nil	nil	nil
<i>International journals</i>	35	26	24	25
<i>Regional</i>	nil	nil	nil	nil
Conference Proceedings	29	11	6	14
Books (with ISBN) & Monographs	nil	nil	2	2

Chapters in Books	2	4	2	nil
Edited Books	nil	nil	nil	nil
Important Translated work	nil	nil	nil	nil
Number listed in International Database (For <i>e.g.</i> Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	-			
Citation Index – range / average	0-57; 4.764			
SNIP	0-3.644; 1.55			
SJR	0-3.385; 1.390			
Impact Factor – range / average	0-6.007; 2.600			
h-index- range/average	01-11; 5.98			

23. Details of patents and income generated

Faculty	Details of patent	Income generated
P. K. Choudhury	Digital Occupancy Meter for Commercial Passenger Vehicle (Application No.: 20/KOL/2011)	nil
S. K. Samdarshi*	Process for preparing carbon nano-tubes for non-biodegradable polypropylene and polytetraheptete (Application No.: 430/DEL/2011 of 21/02/2011)	nil

* Moved to Central University of Jharkhand, India

24. Areas of consultancy and income generate

Faculty	Details including name of clients	Income generated (in ₹)
S. K. Samdarshi* & S. Mahapatra	Third Party Inspection of Solar Home Light System, Department of Environment & Forests, Govt. of Assam	1.91 Lakh
R. Kataki	Wood Balance Study in the state of Assam awarded by Department of Environment & Forests, Govt. of Assam	5.76 Lakh

* Moved to Central University of Jharkhand, India

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad

Name	In what capacity	Sponsoring agency	Place of visit	Duration & time period
D. C. Baruah	Project collaborator	UGC-UKIERI	University of Nottingham, UK	24 Jan- 1 Feb, 2015
	Project collaborator	Royal Society of Chemistry - DST	Jadavpur University, Kolkata	12-14 Feb, 2015
	Project collaborator	DST-UKRC	IIT Madras	8-9 Dec, 2014
	Invited speaker	DRL	Defence Research Laboratory, Tezpur	11 Nov, 2014
	Keynote Lecture	NERIST	NE Regional Inst. of Science & Technology, Arunachal Pradesh	7-9 Nov, 2014
	As prospective	UGC-UKIERI	Bangabandhu Sheikh Mujibur Rahman	15-22 Apr, 2014

	project collaborator		Agricultural University, Bangladesh	
	-do-	UGC-UKIERI	Shahjalal Science and Technology University, Bangladesh	17 Apr, 2014
	Project collaborator	DST	IIT Bombay	7-10 Mar, 2014
	Invited speaker	NIT, Silchar	NIT, Silchar	10-14 Jan, 2014
	Expert member	DRDO	Defence Food Research Laboratory, Mysore	19 Nov, 2013
	Invited speaker	Tripura Institute of Technology	Tripura Institute of Technology	29-30 Nov, 2013.
	Resource person	TU-IPR	NIT, Agartala	18 Aug, 2012
	Invited speaker	AIT	Asian Institute of Technology, Bangkok	17-19 Sept, 2012
	-do-	MNRE	Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala, Punjab	25-26 Nov, 2011
D. Deka	Invited speaker	SESI, ICORE-2011	Technical Session – III (Biomass & Biofuels: Conversion Technology -II)	2 Nov, 2011
	Visiting Scientist	DST, India	Abo Akademi University, Finland	8 -12 Aug, 2011
	Invited as Stake holder	AICTE-NEQIP	MNRE, New Delhi	Aug 22, 2014
	Chaired a technical session (Theme- Energy and Electric Drives)	First Conf. on Power, Dielectric & Energy Management, NE Regional Institute of Science and Technology	Department of Electrical Engineering and IEEE, Kolkata Section , IEE PES and DEIS, Kolkata Chapter	10 Jan, 2015
	Invited talk	7th Seminar on Hydrocarbon industry growth – prospect and challenges in North-east India, at Numaligarh Refinery Ltd.	Organized by PETROTECH and Numaligarh Refinery Ltd.	5 Feb, 2015
Rupam Kataki	Invited Speaker	IIT (ISM), Dhanbad	Indian Institute of Technology (ISM), Dhanbad	23-27 Mar, 2015
	Project Collaborator	Indo-EU	ENEA, Brussels ENEA, Rome	23-28 Nov, 2014
	Invited	NERIST	North Eastern	25-29 Aug, 2014

	Speaker		Regional Institute of Science and Technology, Arunachal Pradesh	
	Invited Speaker	Biotech Research Society of India	Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Pune	25-27 Nov, 2013.
	Project Collaborator	Indo-EU	Utrecht, The Netherlands	28-29 Oct, 2013
	Invited Speaker	CSIR-NIIST, Thiruvananthapuram	CSIR-National Institute for Interdisciplinary Science & Technology (CSIR-NIIST), Thiruvananthapuram	9 -10 Sep, 2013
	Invited Speaker	NECRD-IGNOU	NECRD-IGNOU at Guwahati, India,	1-3 Oct, 2012
	Invited Speaker	NECRD-IGNOU	NECRD, IGNOU, Guwahati,	20 Feb, 2012
	Project Collaborator	Indo-EU	Brussels, Belgium	12-13 Jan, 2012
	Invited Speaker	NERIST	NE Regional Institute of Science and Technology, Arunachal Pradesh	2-3 Sep, 2011
Sadhan Mahapatra	Invited Speaker	Prince of Wales Institute of Engg and Technology, Jorhat, Assam		26 Mar, 2015.
	Project collaborator	DST-RCUK	IIT Madras	8-9 Dec, 2014
	Rountable brainstorming session	CEPT University, Ahmedabad, India	CEPT University, Ahmedabad, India	15 Dec, 2014
	Invited Speaker	MANIT, Bhopal	MANIT, Bhopal	27 Dec, 2013
	National Orientation Workshop	Regional Institute of Education, Mysore	Regional Institute of Education, Mysore	11-13 Jun, 2012
Pankaj Kalita *	Invited speaker	QIP-STC	IIT Guwahati	9- 13 Feb, 2015
	Invited speaker	CSIR-CMERI	CSIR-CMERI, Durgapur	18-19 Dec, 2013.
Biraj Kumar Kakati	Invited Speaker	AICTE: NEQIP	IIT Madras	21-23 Feb, 2015
	Invited Speaker	OIL	OIL, Duliajan	6 Dec, 2014

*Moved to IIT, Guwahati, Assam, India

26. Faculty serving in**a) National committees b) International committees c) Editorial Boards****d) Reviewer of reputed journals (e) any other (please specify)**

Name	National committees	International Committees	Editorial Boards	Reviewer	Others
D. C. Baruah	04 Member of Governing Body, Assam Energy Development Agency; Member, Peer Review Committee of 12 th Five year plan programme Member of National advisory Committee for 2 national conferences	02 1. Member, Programme Committee of International Symposium on Energy Engineering, Economics & Policy (EEEP 2012), Florida 2. Asst. secretary of 5 th Int. conference on solid waste management, IISc, Nov, 24-27, 2015		04 Int. journals	1. Member, AC, AAU 2. Fellow, The Institution of Engineers, India
D Deka				05 Int. Journals (Elsevier, Wiley, Taylor & Francis)	Hony Adviser, Renewable Energy Resources, Inst. of Integrative Omics & Appld Biotechnology, Nonakuri, WB
R Katak	01 Member, National Scientific Committee of the Int. Conf. on Emerging Trends In Biotechnology (ICETB 2014) JNU, 6 - 9 Nov, 2014	01 Member of the Working Group #2: Asia/Europe/Australia/New Zealand, formed by International Biochar Initiative	02 Int. Journals	08 Int. and Nat. journals	Member, Management Council of Biotech Research Soc. of India
S Mahapatra	01 Member, National	03 Member, EPSRC Project	Int. J. of Energy Engineeri	15 Nat. & Int.	Member, Int. Solar Energy Soc. (ISES)

	Technical Committee, National Conference	Review, UK Member, International Scientific Committee, Int. Conf. on Environmental Science & Energy Engineering (ICESEE 2015), 26-27 Jul, 2015, Phuket, Thailand Chair, Technical Session on Integration of Renewable Energy, 30th Int. Conf. on Passive and Low Energy Architecture (PLEA 2014), 16-18 Dec, 2014, Ahmedabad, India (also Member, Technical Committee) Member, Technical Committee, 1st Int. Conf. on Non-conventional Energy, 16-17 Jan, 2014, Kalyani, India	ng; Journal of Energy	Journals	Member, Int. Energy Initiative (IEI) Life Member, Solar Energy Soc. of India (SESI) Life Member, Inst. of Engineers (AMIE)
P. Kalita**				04 Nat & Int. Journals	
B. K. Kakati	Nil		01 American J. of Energy Engineering	09 Nat. & Int. Journals	Member of Int. Soc. for Electro-chemistry
N. Sarmah				04 Nat. & Int. Journals	

** Moved to IIT Guwahati, Assam, India

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Programme and Organiser	Period
P. K. Choudhury	AICTE-NEQIP FDP, SoE, TU	15 – 27 Dec, 2014
	ISTE Workshop on Computer Programming conducted by IIT, Bombay at TU	16 – 21 Jun, 2014
	Indo-Finnish Workshop on Green Chemistry	13-14 Dec, 2013
	(Resources person) in 20 th National Children's Science Congress, Dept of Science and Tech Communication, organised by ASTEC at Biswanath Chariali, Assam	15 – 18 Oct, 2012
	2-Week ISTE Workshop on Introduction to Research methodologies conducted by IIT, Bombay at TU	25 Jun–4 Jul, 2012

	Workshop on Advances in Photonic, Electronic & Communication Systems (APECS - 12) at TU	23 – 27 Jan, 2012
	ISTE Workshop on Aakash for Education conducted by IIT, Bombay at TU	10 – 11 Nov, 2012
	National Conference on Trends in Machine Intelligence, 2011 at TU	23- 25 Mar, 2011
	International Congress on Renewable Energy (ICORE) 2011 at TU	2 – 4 Nov, 2011
	International Summer School 2011 organized by University of Nottingham and IIT G at IIT G	4 – 10 Jul, 2011
P. Kalita**	2-week ISTE workshop on Fluid Mechanics, National Mission of Education through ICT (MHRD), IIT Kharagpur at TU	20 – 30 May, 2014
	AICTE-NEQIP FDP, School of Engineering, TU	15 – 27 Dec, 2014
	2-week ISTE workshop on Engineering Mechanics, National Mission of Education through ICT (MHRD) at TU. (organized by IIT B)	26 Nov - 4 Dec, 2013
	2-week SAKSHAM-IT Champion Training Program, Sakshat Microsoft (NME-ICT), TU	19 – 28 Apr , 2013
Sadhan Mahapatra	Round-table brainstorming session “Advancing Energy Efficiency Research for Habitat in India”, Sponsored by DST, and Indo-US Science & Technology Forum, CEPT University, Ahmedabad, India.	15 Dec, 2014
	Pannel discussion on ‘Learnings from the Field: Contributing to Policy Discourse’ at Workshop on Sustainable Energy for All: Exploring how Bottom-up Experiences can influence the Policy Discourse, Organsied by TERI, The Pride Kolkata, Kolkata	31 Jul, 2014
	National Orientation Workshop on Finalization of Activity Guide 2012-2013 for 19th National Children Science Congress, RIE, Mysore	11-13 Jun, 2012
	Brainstorming Workshop on Preparation of Activity Guide 2012-2013 for 19th National Children Science Congress, TU	2-4 May, 2012
	2-week ISTE Workshop on Solar Photovoltaics: Fundamentals, Technologies and Applications, conducted by IITB at TU	12-22 Dec 2011
BK Kakati	QIP Short Term Course on “Recent Advances in Energy Research”, organised by Dept of Chemical Engineering, IIT Guwahati, India.	23–27 Mar, 2015
	FDP on “Current Approaches in Teaching and Research in Science and Technology” School of Engineering, TU	15-27 Dec, 2014
N Sarmah	-do-	15 – 27 Dec, 2014

** Moved to IIT Guwahati, Assam, India

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects (of the current batch)

Name of Programme	Percentage
M. Tech. in Energy Technology	88

- percentage of students doing projects in collaboration with other universities / industry / institute

Name of Programme	Percentage
M. Tech. in Energy Technology	12

28A. Internship for students of outside institutes

Year	No of students	Participating institutes	Sponsoring agencies
2014-15	12	<ul style="list-style-type: none"> Central University of Jharkhand Aarupadai Veedu Institute of Technology, Tamilnadu; NIT Nagaland GMIT, Tezpur 	Respective institutes

29. Awards / recognitions received at the national and international level by

- Faculty

Name	Award/recognition	Year
D. C. Baruah	Commendation Medal by the Indian Society of Agricultural Engineering, New Delhi	2011
	Eminent Engineering Personality by The Institution of Engineers	2015
B. K. Kakati	Best Paper award for the paper "Efficient composite bipolar plate reinforced with graphene for proton exchange membrane fuel cell", in The 3rd International Conference on Fuel Cell & Hydrogen Technology 2011, 22–23 November, 2011, Kuala Lumpur, Malaysia.	2011

- Doctoral / post-doctoral fellows

Name	Award/recognition	Year
Moonmoon Hiloidhari	Fulbright-Nehru Doctoral and Professional Research Fellowship	2013-14
Lakhya J. Konwar	CIMO Fellowship, Abo-Akademi University, Finland	2013
Samrat Paul	ISCA Young Scientist Award in the Engineering Sciences section of Indian Science Congress Association for the year 2011-2012	2011-12
R G Nair	Indo-French Sandwich PhD Award	2011

- Students

Name	Award/recognition	Year
Golap Kalita	Joined as Assistant Professor at Nagoya Institute of Technology, Japan	2012

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/eminent participants, if any.

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
D. C.	Workshop on "Capacity Building	Asia-	Michele Clarke, Univ. of

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
Baruah	for Mitigation of Climate Change using Precision Agriculture, 20-22 Mar, 2015 (International)	Pacific Network for Global Change Research (APN)	Nottingham, UK GC Bora, North Dakota State University, USA Ashwani Kumar, Ex-Director ICAR-Indian Inst. of Water Management
	Capacity building workshop under DST-UKRC sponsored project “Rural Hybrid Energy enterprise System” 12 Oct, 2014	DST-UKRC	Ajay Kumar, Jawaharlal Nehru University
	Post-project workshop on Assessment of Renewable Energy Resource and its Utilization, 26 Dec, 2011	DST	Mrinal Krishna Chaudhury, AEDA, Guwahati
D Deka	Indo-Finnish Symposium on Green Fuels, 1 Feb, 2013	DST	Prof. J. P. Mikkola & Dr. N. Kumar, Abo-Akademi University, Finland
	Indo-Finnish Workshop on Green Chemistry, 13-14 Dec, 2013	DST	Dr. D. Srinivas, NPL, Pune Dr. Savita Kaul, IIP, Dehradun Dr. D. K. Tuli, IOCL, Faridabad Dr. Ramkrishna Sen, IITKgp, Prof. K K Pant, IITD
S. K. Samadarshi*	International Congress on Renewable Energy-2011 (ICORE2011) 2-4 Nov, 2011	SESI, DRDO	Mr. Tarun Kapoor, MNRE, S. C. Mullick, Centre for Energy Studies, IIT Delhi Mr. Ravi Khanna, CEO, Solar Power Business, Aditya Birla Group, Mumbai. Mr. Rajinder Kumar Kaura, CMD, Bergen Group of Companies. New Delhi Prof. S Jain, Dept. of Mechanical Engineering, IIT Delhi Dr. Anil Misra, Sr. Programme Advisor, GIZ, New Delhi Dr. S Dasappa, CGPL, IISc Bangalore Dr. P Maki-Arvela and Dr. N. Kumar, Abo Akademi University, Finland

* Moved to Central University of Jharkhand, India

31. Code of ethics for research followed by the departments

The Department puts due emphasis on maintaining the code of ethics in research. Originality and innovation in research are the primary code of ethics followed in the Department. Lab record keeping, working in research groups, scientific deliberations and discussions are followed to maintain the spirit of ethics in research

32. Student profile programme-wise

Name of the Programme (refer to Item no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
M. Tech.	262	15	6	100	100
Ph. D.	0+9	0+1	0+2		
2013-14					
M. Tech.	353	25	3	100	100
PhD	19+7	3+0	2+1		
2012-13					
M. Tech.	220	29	9	100	100
Ph. D.	10+6	4+1	1+1		
2011-12					
M. Tech.	164	27	11	100	100
Ph. D.	12+11	1+1	2+1		

33. Diversity of students

Name of the Programme (refer Item No. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. Tech.	0	70.48	29.52	0
PhD	66.66	33.34	0	0

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	No of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	-	-	1	-	-
NET LS	--	-	-	-	-
GATE	13	18	12	14	3
Civil Services	-	-	-	-	-
Engineering Services	-	-	-	-	-
Defence services		-	-	-	-

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	9
Ph.D. to Post-Doctoral	1
Employed	
• Campus selection	0
• Other than campus recruitment	100
Entrepreneurs	0

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	62.5 %

from other universities within the State	12.5 %
from universities from other States	25.0 %
from universities outside the country	12.5*

*Graduate of the same university but earned PhD from abroad

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph.D.	1

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	Yes	1
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	2
d) Total number of class rooms with ICT	Yes	2
e) Students' laboratories	Yes	8
f) Research laboratories	Yes	8
g) Seminar Hall	Yes	1
h) Conference Room	Yes	1

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
15	5
Post-Doctoral	
NIL	NIL
Research Associates	
1	NIL

40. Number of post graduate students getting financial assistance from the university

Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Does not arise

42. Does the department obtain feedback from

a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	Yes, feedback is discussed in detail in Departmental Advisory Committee (DAC) meeting for regular updating of the curriculum
b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Yes, student's feedback in a structured format is obtained and discussed in DAC meetings. <ul style="list-style-type: none"> Students feedback on staff is addressed at individual level for improvement and rectification if any; Students feedback on curriculum is discussed at departmental level, sent for experts suggestion and updated/revised as per need; Students feedback on teaching-learning-evaluation is discussed at departmental level and necessary remedial measures are taken if necessary.
c)	Alumni and employers on the programmes offered and how does the department

	utilize the feedback?
	Feedback from alumni are taken during their visits to the Department. During last two years, 10 nos. of alumni visited the Department and forwarded their feedback on the curriculum

43. List of selected alumni of the department

Sl. No.	Name	Programme and batch	Current position/ achievement (if any)
1	Dr. Nirmal Kumar Saha	M. Tech (2000-01)	Scientist, CSIR-CSMCRI, Bhavnagar, Gujrat
2	Dr. Anil Kumar Sarma	M. Tech (2001-02) Ph.D. (2006)	Scientist D, SSS-NIRE (MNRE), Govt. of India, Kapurthala
3	Dr. Prasenjit Saikia	M. Tech (2002-04) Ph.D. (2012)	Assistant Prof., AcSIR & Scientist, CSIR-NEIST, Jorhat
4	Dr. Golap Kalita	M. Tech (2003-05)	Assistant Prof., Nagoya Institute of Technology, Japan
5	Mr. Aditya Bhushan Sarma	M. Tech (2004-06)	Sr Engineer – Rotating Equipment, Kentz Engineers & Constructors, Abu Dhabi, UAE
6	Dr. Samrat Paul	M. Tech. (2005-07) Ph. D. (2012)	Assistant Prof., NEHU, Shillong
7	Mr. Hiren Chandra Bora	M. Tech. (2006-08)	Scientist, MNRE, Govt. of India, New Delhi
8	Mr. N. Loyalakpa Meitei	M. Tech (2007-09)	Assistant Prof., NERIST, Itanagar
9	Mr. Bijan Mahanta	M. Tech (2008-10)	Senior Research Scientist, R&D Department, Oil India Ltd., Duliajan
10	Dr. B N Sahoo	Ph. D. (2012)	Chief Engineer, Safety & Environment, Oil India Ltd., Duliajan

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts

Sl. No.	Programme details	Date/s	Name of Experts
1	Special Lecture	3 Mar, 2015	Prof. S.N. Upadhyay, IIT (BHU)
2	Special Lecture	17 Jan, 2015	Prof. KK Pant, IIT Delhi
3	Special Lecture	14 Mar, 2014	Prof. S Ghosal, Jadavpur University
4	Summer School	20-26 Jul, 2014	Prof. A. Pandey, CSIR-NIIST Dr. Y. K. Yadav, Director, SSS-NIRE Dr. Kees Kwant, NL Agency, The Netherlands Dr. Ludo Diels, VITO, Belgium Dr. H. N. Chanakya, IISc, Bangalore Dr. S Yazdani, ICGEB, New Delhi Prof. Neera Bhalla Sarin, JNU Dr. Silvia Tabacchioni, ENEA, Italy
5	Special Lecture	2013	Prof. D. K. Gautam, Director, Dept of Electronics, North Maharashtra University
6	Special Lecture	31 Jul, 2013	Prof. N Kumar and Prof. Jyri-Pekka Mikkola, Abo Akademi University, Finland

45. List the teaching methods adopted by the faculty for different programmes.

1. Black-board teaching
2. ICT enabled teaching
3. Field visit
4. Laboratory demonstration and experimentation
5. Assignment/Class seminar/Take home assignments
6. e-learning

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The department ensures that programme objectives are constantly met through

- i. Placement records of passed-out students
- ii. Enrollment in Higher studies in Institutes of national and international repute
- iii. Awards and scholarships received by students
- iv. Students feedback
- v. Employers feedback
- vi. Receipt of research grant from external agencies
- vii. Research outcomes in the form of publications and IPR
- viii. Research exchange through student and faculty at national & international level
- ix. Number of national and international collaboration

The department ensures that learning outcomes are monitored through

- i. Continuous evaluation and evaluation by external examiners
- ii. Performance in evaluation process and public examinations
- iii. Research outcome

47. Highlight the participation of students and faculty in extension activities.

1. Awareness programme in energy conservation
2. Lectures delivered by faculty members in Colleges, Schools, Public awareness programmes
3. Participation on exhibition of models of Renewable Energy systems

48. Give details of “beyond syllabus scholarly activities” of the department.

1. Reviewers of research journals
2. Editorial board member of various journals
3. Member of Organising and Technical Committees of Scientific events
4. Editorial responsibility of Books
5. Invited lectures in Seminars/conferences
6. Expert member of selection committees of various Universities
7. PhD Thesis examiners of other universities
8. Reviewer of research proposals on behalf of Government Funding Agencies

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

M. Tech. (Energy Technology) is an AICTE approved programme

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- A. Village level crop residue biomass potential mapping for the North bank plain zone

- of Assam
- B. Characterization of biodiesel produced from locally available non-edible tree seed oil and new knowledge on their potential
 - C. Development of new Cycle simulation model for biodiesel fuelled Internal combustion engine
 - D. Development of Drying model of CTC tea of a local cultivar (T3E3)
 - E. Synthesis of Carbon Nano Tubes from plat based precursors.
 - F. Development of metal oxide and CNT based novel photoactive material for solar photocatalysis and photo-voltaic applications
 - G. Development of generalized performance parameter for solar cooker
 - H. Development of ionic liquid catalysts for biodiesel production
 - I. Development of heterogeneous catalyst from biomass for biodiesel production
 - J. Development of renewable source based catalyst for biofuel production
 - K. Screening and selection of suitable renewable resources for bio-oil production and optimization of production parameters for higher production
 - L. Utilization of locally available non-edible tree seed on a biorefinery mode
 - M. Waste valorization for biochar production and soil application for mitigation of GHG emission

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department (as per departmental consensus)

Strengths

- 1 Good educational infrastructure with highly qualified faculty from diverse areas of renewable energy
- 2 National and international Research funding and collaboration
- 3 Research publication in National and International peer reviewed Journals of high Impact factor and citation Index
- 4 Significant student placement in reputed national and international organizations.
- 5 Societal Outreach of renewable Energy Technologies.

Weaknesses

1. Research collaboration with Industry is not adequate.
2. Team based research activity is under developed.
3. Limited grant for Laboratory Infrastructure
4. Specialized center for Renewable Energy of regional importance is to be developed.
5. Inadequate Testing facilities of different renewable systems

Opportunities

- 1 Opportunity to develop quality manpower at different levels as per national requirement in growth of Renewable Energy
- 2 Opportunity to undertake region specific research problem
- 3 Opportunity to utilize the faculty expertise for industry specific problems
- 4 Opportunity to transfer renewable energy technologies from laboratory to stake-holders covering vast areas of rural and underdeveloped regions.
- 5 Opportunity to develop multi-disciplinary course like MBA (Energy management)

Challenges

- 1 To generate adequate fund for development of departmental infrastructure and research.
- 2 Technology transfer from laboratory to consumers through Industry
- 3 Cater to the needs of International students in the academic curriculum

- 4 Bridging the gap between Industry and Academia for more technological advancement.
- 5 Removal of barrier in creating and protecting Renewable Energy based innovation

52. Future plans of the department.

The Department intends to start a new industry-oriented inter-departmental course on

- MBA in Energy Management.

It is intended that the graduates of this course are able to understand innovation processes and can effectively and successfully apply their knowledge in existing processes or in the foundation of start-ups.

The Department also aims to establish a research center, Centre for Biomass Research, through Industry-academic partnership.

School of Engineering

1. Name of the Department : Department of Food Engineering & Technology

2. Year of establishment : 2006

3. Is the Department part of a School/Faculty of the university?
Yes, School of Engineering

4. Names of programmes offered

Sl. No.	Name of Programme	Duration	Intake
1	B. Tech. (Food Engineering & Technology)	4 years (8 Sem)	30
2	M. Tech. (Food Engineering & Technology)	2 years (4 sem)	18
3	Post B. Sc. Integrated B. Tech. & M. Tech. (Food Engineering & Technology)	4 years (8 sem)	12
4	Ph. D. (Food Engineering & Technology)	NA	Variable
5	B. Voc. Program in Food Processing (NSQF level 5, 6 and 7)	3 years	50

5. Interdisciplinary programmes and departments involved: NA

6. Courses in collaboration with other universities, industries, foreign institutions, etc.
NA

7. Details of programmes discontinued, if any, with reasons

Programme	Reason of discontinuation
2-Yr M. Sc. in Food Processing Technology	Converted to post B. Sc. Integrated M. Tech programme in 2009, with added technical subjects for better acceptability in job market

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Course	Offered under department/school
BI301: Applied Microbiology & Bioprocess Engineering	Dept. of Molecular Biology and Biotechnology, School of Science and Technology
EN575: Numerical Methods & Computational Techniques for Energy System Modelling	Dept. of Energy, School of Engineering
CBCT courses offered by the Dept. of Food Engineering & Technology	
FT300: Transport Phenomena in Biological Bio environmental System	
FT400: Food and Nutrition _Group-I	
FT450: Plantation Products and Spices Technology _Group-II	
FP 750: Open Ware Based Process Modeling and Simulation (for Ph. D.)	
FP 702: Advanced Analytical Techniques (for Ph. D.)	

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	02	02	02
Associate Professor	03	03	03

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	02	02	02
Assistant Professor	08	07	07
Others	NA		

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph. D. students guided last 4 years
C. L. Mahanta	Ph. D.	Professor	Rice Sc. & Tech. Product Development Product Quality	25	5
S. C. Deka	Ph. D.	Professor	Food Biochemistry, Fermented Foods, Food Quality	25	2
M. K. Hazarika	Ph. D.	Associate Professor & Head	Process modeling, Dairy and Food Process Engineering.	18	nil
Brijesh Srivastava	Ph. D.	Associate Professor	Food Process Engineering; F&V Processing	14	nil
N. Sit	Ph. D.	Associate Professor	Food & Biochemical Engg, Oils and Fats, Food Biotechnology	9	nil
P. Mishra	Ph. D.	Assistant Professor	Food Technology	10	nil
L. S. Badwaik	Ph. D.	Assistant Professor	Food Technology, Fermentation Technology Food Safety & Laws.	9	nil
D. Seth	M. Tech.	Assistant Professor	Dairy & Food Engg. Dairy Technology, Emerging Technologies	6	nil
R. K. Duary	Ph. D.	Assistant Professor	Dairy Technology, Dairy Microbiology, Fermentation, Molecular Biology	5	nil
K.K. Dash	Ph. D.	Assistant Professor	Dairy and Food Engineering, Plantation product Technology	3	nil
Amit Baran Das	M. Tech. M. S.	Assistant Professor	Food Processing, Food Engineering	>2	nil
Sourav Chakraborty	M. Tech.	Assistant Professor (B. Voc.)	Food Engineering and Technology	<1	nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil

13. Percentage of classes taken by temporary faculty – programme-wise information
Nil

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
B. Tech. (Food Engineering & Technology)	94	6	16:1
M. Tech. (Food Engineering & Technology)	34	3	11:1
Post B. Sc., Integrated M. Tech. (Food Engineering & Technology)	34	2	17:1
Ph. D. (Food Engineering & Technology)	18	3	6:1
All Departmental programmes (Excluding Ph.D.)	162	11	15:1
All Departmental programmes (Including Ph.D.)	190	11	17:1
B. Voc. Program in Food Processing	15	1	15:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
Technical Officer	01	01	01
Senior Technical Assistant	01	01	01
Technician	01	01	01
Laboratory Assistant	01	00	00
Office Assistant	01	01	01
Office Attendant	01	01	01

16. Research thrust areas as recognized by major funding agencies

Research area	Funding Agency
Value added products from locally available food material	MoFPI, DRDO, DST
Fermented beverages & products	MoFPI, UGC
Packaging technology	UGC
Dairy products technology	MoFPI
Process technology development using emerging techniques	MoFPI, DST
Process system development	MoFPI

17. Number of faculty with ongoing projects from

- a) National agencies : 8
 b) International funding agencies : NA
 c) Total grants received : ₹ 351.40778 lakhs

Names of the funding agencies, project title and grants received project-wise.
 (List of projects submitted in the enclosed format, Vol-II B)

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration b) International collaboration

	Name of Investigator/s	Collaborators	Sanctioned amount (₹ in lakh)	Funding Agency
National				
1	K. Venkatesh Murthy & Charu Lata Mahanta (TU)	CFTRI, Mysore	Share is 15.12 Out of 42.40	DST

	Name of Investigator/s	Collaborators	Sanctioned amount (₹ in lakh)	Funding Agency
3	Sukumar Debnath & Charu Lata Mahanta (TU)	CFTRI, Mysore	Share is 10.00 Out of 34.96	DST
3	R. K. Duary	NDRI, Karnal and NIBMG Kolkata	64.70	DBT
International				
	None			

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sl. No.	Project	Year	Level	Sanctioned amount (₹ in lakh)
1	HR grant for UG by MoFPI	2011-12	NA	72.63
2	HR grant for PG by MoFPI	2005-06	NA	50.00
3	Infrastructure for QCL by MoFPI	2010-15	NA	202.70
4	AICTE - NEQIP	2014-15	NA	24.63
5	DST - FIST	2015-16	NA	80.00
6	B. Voc. grant	2015-16	5,6 & 7	25.00

20. Research facility / centre with state/national/international recognition

Quality Control Laboratory has been set up in the department which is on the process of obtaining NABL recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies

Laboratory	Sponsor
Quality Control Laboratory	MoFPI, New Delhi

22. Publications

Publication type	Year			
	2014-15	2013-14	2012-13	2011-12
Number of Papers published in peer reviewed journals				
<i>National journals</i>	-	-	-	-
<i>International journals</i>	38	19	13	18
<i>Regional</i>	-	-	-	-
Conference Proceedings	> 20	> 20	> 20	> 20
Books (with ISBN) & Monographs	-	-	-	-
Chapters in Books	4	-	-	1
Edited Books	-	-	-	-
Important Translated work	-	-	-	-
Number listed in International Database (e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	> 30			
Citation Index – range / average				

SNIP	
SJR	
Impact Factor – range / average	0 - 4.33/ 2.05
h-index- range/average	

23. Details of patents and income generated

Faculty	Details of patent	Income generated
Prof. C. L. Mahanta	Tender coconut water beverage from coconuts from Assam – Filed as Indian patent to Govt. of India on 13.05.2011.	On the process
Prof. C. L. Mahanta	Eco-friendly dry chill spray from bhot jalakia of Assam – Filed as Indian patent to Govt. of India on 20.06.2011.	On the process
Mr. A.B. Das	A low cost machine for third Generation Snack - Filed as Indian patent to Govt. of India on 20.05.2014	On the process

24. Areas of consultancy and income generate

Year	Activity	Clients	Income generated
2015	Food Analysis	1. CIT Kokrajhar 2. ShivYog Forum, Guwahati	₹ 15,000

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad

Name	In what capacity	Sponsoring agency	Place of visit	Duration & time period
Prof. S. C. Deka		Tokyo University of Agriculture, Japan	Dept. of Food and Cosmetic Science, Faculty of Bio-industry, Tokyo University of Agriculture, Japan	26.02.2013 - 04.03.2013

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
d) Reviewer of reputed journals (e) any other (please specify)

Name	National committees	International committees	Editorial Boards	Reviewer	Others
Charu Lata Mahanta	Expert member to NAAC			Journals: 4 National/ International Journals	
S. C. Deka	Mentor: projects under UGC SAP			Journals: 4 National/ International Journals	
M. K. Hazarika				Journals: 7 National/ International Journals, Project reviewer: IIT KGP SGBSI2015 IITG-RuTAG-NE	

Nandan Sit				11 National/ International Journals	
Laxmikant S. Badwaik				3 National/ International Journals	
Poonam Mishra			3 Journals	4 National/ International Journals	

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Programme and Organiser	Period
Raj Kumar Duary	Winter school on “Chemical analysis of value added Dairy products and their Quality assurance” Dairy Chemistry Division, National Dairy Research Institute, Karnal.	21 Days 11-31 Jan, 2011
Nandan Sit	Week-long Professional development programme on science communication through mass media, Dept. of MCJ, TU.	1-6 Oct, 2012
	Two-week ISTE workshop on Engineering Mechanics, IIT-Bombay	26 Nov – 6 Dec, 2013
	Refresher course in mathematical modelling and its application in sciences, ASC, Univ. of Burdwan	10-30 Dec, 2013
	93rd Orientation programme, ASC, University of Burdwan	4-31 Jan, 2014
	FDP on Current approaches in teaching and research in science and technology, School of Engg., TU, AICTE – NEQIP SCHEME	15-27 Dec, 2014
Brijesh Srivastava	Engineering Mechanics: Two week ISTE Worksop Conducted by IIT Bombay, Under National Mission on Education through ICT (MHRD)	26 Nov - 06 Dec 2013
	Pedagogy for Effective Use of ICT in Engineering Education : Two week ISTE STTP, Conducted by IIT Bombay, Under National Mission on Education through ICT (MHRD)	05 - 31 Jan, 2015
	FDP on Current Approaches in Teaching and Research in Science and Technology, School of Engineering, TU AICTE – NEQIP SCHEME	15 - 27 Dec, 2014
Laxmikant S. Badwaik	Training Programme (STTP) on Pedagogy for Effective use of ICT in Engineering Education Organized by IIT Bombay at TU	05-31 Jan, 2015
	AICTE-NEQIP sponsored FDP, TU	15-27 Dec, 2014
	UGC sponsored Orientation Programme Organized by RTM Nagpur University, Nagpur	02-29 Jan, 2014
	ISTE workshop on Engineering Mechanics Organized by IIT Bombay at TU	26 Nov. - 06 Dec. 2013
	Professional Development Programme on Science Communication through Mass Media, Organized by TU	01-06 Oct., 2012
	Pedagogy for Effective Use of ICT in Engineering Education : Two week ISTE STTP, Conducted by IIT Bombay, Under National	05 - 31 Jan, 2015

M. K. Hazarika	Mission on Education through ICT (MHRD)	
	FDP on Current Approaches in Teaching and Research in Science and Technology, School of Engineering, TU, AICTE – NEQIP SCHEME	15 - 27 Dec, 2014
	2-week ISTE workshop on “Research Methodologies” under the National Mission on Education through ICT, MHRD, GOI	25 Jun-4 Jul, 2012
	2-phase training workshop on NBA assessment, organized by Nodal Centre of National Board of Accreditation (NBA), Guwahati.	Phase I (1-day) 5 Mar, 2014 Phase II (3 day) 21-23 Mar, 2014

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
B. Tech. (Food Engineering & Technology)	100%
M. Tech. (Food Engineering & Technology)	93%
Post B. Sc., Integrated M. Tech. (Food Engineering & Technology)	100%

- percentage of students doing projects in collaboration with other universities / industry / institute

Name of Programme	Percentage
B. Tech. (Food Engineering & Technology)	0%
M. Tech. (Food Engineering & Technology)	7%
Post B. Sc., Integrated M. Tech. (Food Engineering & Technology)	0%

28A. Internship for students of outside institutes

Year	No of students	Participating institutes	Sponsoring agencies
2014-15	--	--	--
2013-14	--	--	--
2012-13	1	Delhi University	Tezpur University
2011-12	1	G.B. Pant University of Agriculture and Technology	Tezpur University

29. Awards / recognitions received at the national and international level by

- Faculty

Name	Award/recognition	Year
R. K. Duary	Jawaharlal Nehru Award for P.G. Outstanding Doctoral Thesis Research in Agricultural and Allied Sciences by Indian Council of Agricultural Research, 16th July 2012 at NASC Complex ICAR.	2012
	Young Scientists Research Grant by Science & Engineering Research Board (SERB), DST 2014	2014
	"Second Best Paper" in Young Researchers group at 1st Annual Conference for Human Health-New Innovations and Emerging Trends,	2012

	Probiotic Association of India (PAI), 27-28, Aug, 2012, Habitat World at India, Habitat Centre, New Delhi	
	"1st Best Poster Award" at National conference organized by the Dept. of Food Engineering & Technology, TU, 14-16 Nov 2011	2011
	"First Best Paper" published in Indian Dairyman by IDA (39th Dairy Industry Conference held in Salt Lake, Kolkata, 4-6 Feb, 2011)	2011
C. L. Mahanta	Member of Board of Director of North East Regional Agricultural Marketing Corporation (NERAMAC), Guwahati	
	Member of different Reviewing/Expert Committees of UGC	
Poonam Mishra	Best oral presenter in international conference at IICPT Thanjavur, 2011.	2011

• **Doctoral / post doctoral fellows**

Name	Award/recognition	Year
Nikhil Mahnot	Awarded Fulbright Fellowship	2014-15
Dipshikha Kalita	Qualified CSIR SRF	2015
Hilal A. Makroo	Received Maulana Azad Fellowship	2014
W. Elizabeth Devi	Best poster award on "Batch mode of refractance window drying system for better quality retention in dehydrated food" in conference on "Emerging technology trends in agricultural engineering" NE Regional Institute of Science and Technology (NERIST), 7- 9 Nov, 2014.	2014
Lopamudra Sharma	First prize in Poster presentation in the National Seminar cum Workshop on Innovative Prospects in Food Processing, 27-28 Mar, 2015 at FET, TU.	2015
Nikhil Manhot	First prize in Poster presentation in the National Seminar cum Workshop on Innovative Prospects in Food Processing held during 27-28,Mar, 2015 at Dept. FET, TU	2015

• **Students**

Name	Award/recognition	Year
Sadhana Sharma	Best poster presenter in International conference NIFTEM	2013
Anupama Bora Sangeeta Gope Yesmin Ara Begum Juhi Saxena Trishula Das Parmita Gogoi	Received prizes in Poster presentation in the National Seminar cum Workshop on Innovative Prospects in Food Processing held during 27-28, Mar 2015 at Dept. of FET, TU.	2015
Vegonia Marboh	Qualified ICAR-SRF exam	2015.
Chayanika Saha	Qualified ICAR-PG Exam	2015
Papori Chutia	Received fellowship of GE foundation, Received RECPDCL merit scholarship award	2013-15

		2012-13
Ria Bhadra	Received fellowship of GE foundation	2015-17

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/ eminent participants, if any.

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
C. L. Mahanta	National seminar on "Role of Bioactive Compounds in Foods on Human Health- BIOFOODS 2011, 14-16 Nov. 2011	DBT, DST, CSIR, DRDO	Dr. K. S. M. S. Raghavarao, and Prof. S. Rajarathnam, CFTRI, Mysore Dr. K.S. Premavalli, DFRL, Mysore Dr. R. C. Boruah, NEIST, Jorhat Prof. U. Raychaudhuri, Javampur University
S. C. Deka	Workshop on capacity building of rural youth of Assam in Food processing sector-2009	UGC	
Prof. C.L. Mahanta	Training cum Demonstration Programme organized in joint collaboration with NERAMAC, funded by MoFPI, New Delhi, 2011	MoFPI	
B. Srivastava, N. Sit P. Mishra	Innovative Prospects in Food Processing: Integration of Engineering and Biological Sciences 27-28 March, 2015	MoFPI	Dr. N.K. Rastogi, Dr. K. S. M. S. Raghavarao, and Dr. P. Siluvainathan, CFTRI, Mysore Dr. Mihir K. Purkait, IIT-G Dr. P. P. Srivastav and Prof. H. N. Mishra, IIT, KGP

31. Code of ethics for research followed by the departments

Sponsored Research

- Proposals are submitted through proper channel, as stipulated by the guidelines from the sponsoring authority.
- Established norms of finance are followed in spending grants received from sponsoring authority.
- Research aims at delving in to an unexplored area and/or improvement in interpretation.
- Periodical in-house sharing of progress and outcome.

32. Student profile programme-wise

Name of the Programme (refer to Item no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
M. Tech. FET	92	9	9		
Int. M. Tech. FET	11	2	4		
B. Tech. FET	4486 (Offline	18	10	NA	NA

Name of the Programme (refer to Item no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
	939+online3547)				
Ph. D.	-	-	-	-	-
2013-14					
M. Tech. FET	74	11	6		
Int. M. Tech. FET	18	2	5		
B. Tech. FET	5793	17	11		
Ph. D.	22	1	2		
2012-13					
M. Tech. FET	42	11	8		
Int. M. Tech. FET	21	2	4		
B. Tech. FET	5721	19	11		
Ph. D.	20	2	---		
2011-12					
M. Tech. FPT (Lateral)	36	2	3	50%	67%
Int. M. Tech. FET	39	4	11		
B. Tech. FET	5935	14	4		
Ph. D.	n/a	4	--		

33. Diversity of students

Name of the Programme (refer to Item no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. Tech	11	69.6	19.4	0%
Int. M. Tech. FET	0%	90	10	0%
B. Tech. (FET)	N. A.	71.62	28.38	0%
Ph. D.	35.3	11.8	52.9	0%

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	No of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	3	1	1	1	2
NET LS	-	-	-	-	-
GATE	6	4	5	1	4
Civil Services	-	-	-	-	-
Engineering Services	-	-	-	-	-
Defence services	-	-	-	-	-
Others (FCI/ Bank)	2	2	2	-	-

35. Student progression

Student progression	Percentage against enrolled
UG to PG	3/18 (16.66%)
PG to M.Phil.	NA
PG to Ph.D.	50%

Student progression	Percentage against enrolled
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	
• Other than campus recruitment	60%
Entrepreneurs	n/a

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	0%
from other universities within the State	8.33%
from universities from other States	83.33%
from universities outside the country	0%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph. D.	5

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	Yes	1/(more than 100 books and project reports)
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	8
d) Total number of class rooms with ICT	Yes	3
e) Students' laboratories	Yes	11 laboratories, with capacity up to 30 per batch
f) Research laboratories	Yes	5 laboratories for PG and Ph. D. programmes, with approximately 10 students per laboratory
g) Archive/Museum/ Studio	Common display and achieving centre called TUNNOVATION where designs and concepts developed along with those from other departments are placed.	

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
19	Nil
Post-Doctoral	
Nil	Nil
Research Associates	
Nil	Nil

40. Number of post graduate students getting financial assistance from the university.

Programme	Number
M. Tech. in FET	04 (AICTE-NEQIP)

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes.

1. Draft of new programme and its curriculum is prepared by faculty member of department.
2. After in house assessment of curriculum, it is sending for expert comments to the faculties of other institute and universities.
3. Copy of curriculum is also sending to expert people from industry for their view and inputs in curriculum.
4. Expert comments are considered and incorporated in curriculum.

42. Does the department obtain feedback from

a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	At the end of the semester, at Departmental level DAC discusses the feedbacks of faculty on curriculum as well as teaching-learning-evaluation.
b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	1. Feedback from the students is taken at the end of each semester for all course instructors.
	2. This feedback is shown to respective faculty member for self-evaluation.
c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	One alumni representative is included as member of Board of Studies. Feedbacks are discussed at the Departmental Advisory Committee for identifying gaps and devising case specific corrective measures. Any corrective measure is implemented after obtaining approval from designated authority of the University.

43. List of selected alumni of the department

Sl. No.	Name	Programme and batch	Current position/ achievement (if any)
1	Dharma Saikia	M. Sc., 2008	Deputy Manager, Supply Chain Management, Tata Global Beverages Ltd., Nagaon, Assam
2	Sushma Chhettri	M. Sc., 2008	Quality I/C, Sunrise Biscuit Company Pvt. Ltd. Guwahati
3	Mandakini Baruah	M. Sc., 2010	Dietitian, Nutrition Rehabilitation Centre, Moran Tiloi CHC (FRU), Dibrugarh, Assam
4	Sabita Jaiswal	M. Sc., 2010	Quality Manager, FCI
5	Pranjal Deka	M. Tech., 2012	Technical Officer, Food Safety and Standards Authority of India, NE Region, Guwahati.
6	Bidyut Jyoti Bezbaruah	M. Tech., 2012	Service Engineer, Perkin Elmer (India)
7	Dhritiman Deka	M. Tech., 2013	Development Officer, Dumduma, Assam
8	Mausumi Sharma	M. Tech., 2013	Assistant Professor, Mangaldai College, Mangaldai, Assam
9	Elina Brahma Hazarika	M.Tech.2013	Assistant Professor, C. I. T., Kokrajhar, Assam

10	Mainao Alina Gayari	M.Tech, 2013	Assistant Professor, C. I. T., Kokrajhar, Assam
11	Jinku Bora	M.Tech.2014	Assintant Professor, Jamia Hamdard University, Delhi
12	Sourav Chakravarty	M. Tech., 2014	Assistant Professor, Dept. of FET, Tezpur University
13	Dr. Manashi Das Purkasyasthya	Ph. D, 2015	Assistant Professor, Assam Agricultural University, Jorhat,
14	Dr. Him Jyoti Dutta	PhD, 2015	Assistant Professor, Amity University, Noida, UP

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts

- Technical presentation, lectures and poster presentation held on 16th Oct, 2014 on the occasion of World Food Day
- Spoken Tutorial Workshop on Scilab (WC-16407) held on 26th Dec, 2014
- Spoken Tutorial Workshop on Scilab (WC-15285) held on 23rd Jan, 2015
- Faculty experts of AFSTI, Tezpur University chapter delivered lectures on 29th Jan, 2015
- Training on ISO 17025 (Laboratory management system) held during 11 – 15 May, 2015
- The department organized training on ISO 22000 (Food safety management) during 1-4 June, 2015
- The department conducted technical presentation, lectures and poster presentations in the session “Foodeni” of Techxtra 15 during 31st Oct to 1st Nov, 2015

45. List the teaching methods adopted by the faculty for different programmes.

- Lecture
- Audio-visual Presentation
- Laboratory instruction/demonstration
- Tutorials
- Home assignment
- Computer/internet based assignments
- Discussion on NPTEL lectures and similar web contents
- Presentation by students
- Continuous evaluation and assessment
- Industrial visit
- Industrial training
- Modern pedagogy based teaching techniques

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Continuous evaluation which includes class tests, quiz, assignment, midterm examination
- In house deliberation at the end of the semester at DAC.

47. Highlight the participation of students and faculty in extension activities

Resource person to programs on food processing and preservation
 Regular interactions with local entrepreneurs.
 Participating in the activities of the University pertaining to model village

Participation in NSS activities
Food Quality awareness programs

48. Give details of “beyond syllabus scholarly activities” of the department

AFSTI (T) activities under a local chapter,
Scilab training,
Annual wall magazine of the Department

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

NBA has conducted visit for accreditation of B. Tech. course during 6th -8th Nov, 2015

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Value added products from locally available food material: *Colocasia esculenta* (Arbi), Bamboo shoot, Indian gooseberry, Kaachkal (*Musa ABB*), carambola.
- Fermented beverages & products: technology upgradation of traditional methods of rice beer production
- Packaging technology: edible film and coating
- Dairy products technology: technology for mishti doi, microwave-vacuum drying of kachkal
- Process technology development using emerging techniques: nanocomposite based packaging, Ultrasond assisted extraction of starch, microwave assisted extraction of valuable compounds etc.
- Process system development: system development for grinding, frying, and mechanization of traditional process technologies for rice
- Evaluation of ant oxidative characteristics, pesticide residue of local food materials etc.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1 Well qualified and specialized faculty members representing different parts of the country
- 2 Availability of adequate infrastructure and facility for quality teaching
- 3 Available laboratory facilities suitable for research
- 4 Good number of sponsored research projects for research
- 5 Good representation of students from outside the state.

Weaknesses

- 1 Research output is not yet ready to be delivered to the society
- 2 Limited scope for training/placement of students in industries of repute
- 3 Limited consultation work
- 4 Limited funding
- 5 Weak alumni network in industries

Opportunities

- 1 Need based research for local problems and aspirations
- 2 Guiding local entrepreneurs in technological aspects
- 3 Expansion of activities related food quality assurance and technology development.
- 4 Strengthening of research capability by through Government funded assistance

- programs
- 5 Collaboration with national and international institutes of repute and industries

Challenges

- 1 Technology dissemination
- 2 Strengthening institute-industry interaction
- 3 Up gradation of Food Quality Control Lab and obtaining NABL accreditation
- 4 To evolve e-resources by involving in national projects on pedagogy and e-resource development
- 5 Strengthening penetration of products (students) to major industries

52. Future plans of the department.**Strengthening of Infrastructure**

- Implementation of grants from DST (FIST), AICTE-NEQIP and UGC-SAP for creating infrastructural facilities in the department to run various programmes and research
- Implementation of UGC - B. Voc. grant and preparation of fresh proposals to create infrastructural hands on training facilities for students and trainees.

Strengthening of outreach activities:

- Food quality certification through the quality control laboratory under MoFPI,
- Obtaining NABL/FSSAI accreditation for the lab.
- Training of local entrepreneurs/vocational trainers through pilot plant installation.

Knowledge sharing among peers:

- Conducting workshops/seminars regularly under AICTE-NEQIP; and UGC SAP

School of Engineering

1. Name of the Department : Department of Mechanical Engineering

2. Year of establishment : 2006

3. Is the Department part of a School/Faculty of the University?
Yes, School of Engineering.

4. Names of programmes offered

Sl. No.	Name of Programme	Duration	Intake
1	B. Tech. (Mechanical Engineering)	08 Semesters	52
2	M. Tech. (Mechanical Engineering)	04 Semesters	18
3	Ph. D. (Mechanical Engineering)		Variable

5. Interdisciplinary programmes and departments involved

Programme	Departments
M. Tech. in Mechanical Engineering	Mechanical Engineering

6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil

7. Details of programmes discontinued, if any, with reasons: Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Course	Offered under department/school
Mathematics-IV(MS202)	Mathematical Sciences/School of Sciences

11. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	02	NIL	–
Associate Professor	02	02	03
Assistant Professor	10	10	10

12. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph. D students guided last 4 years
Dilip Datta	Ph. D.	Associate Professor	Design/ Optimization	19	nil
Tapan Kumar Gogoi	Ph. D.	-do-	Thermal & Energy Engineering	20	nil

Partha Pratim Dutta	Ph. D.	-do-	Thermal & Energy Engineering	14	nil
Parag Moni Kalita	M. Tech	Assistant Professor	Heat Power Engineering	12	
Polash Pratim Dutta	M. Tech	-do-	Computer aided Design & Analysis	08	nil
Sushen Kirtania	M. Tech	-do-	Machine Design	07	nil
Prabin Haloi	M. E.	-do-	Fluid and thermal engineering	07	nil
Sanjib Banerjee	Ph. D.	-do-	Material Science	04	nil
*Sachin Kumar Singh	Ph. D.	-do-	Acoustics, Vibration, Machinery condition monitoring	04	nil
Monoj Bardaloi	ME	-do-	Thermal Engineering & Renewal Energy	05	nil
Satadru Kashyap	M. Sc (Engg.)	-do-	Materials Science and Metallurgy	05	nil
Zahnupriya Kalita	M. Eng.	-do-	Mechatronics	02	nil
Rakesh Bhadra	M.Tech.	-do-	Manufacturing Engineering	< 1	nil
Barnali Choudhury	M. E.	-do-	Industrial Engineering	<1	nil

*Resigned on December, 2014

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Senior Visiting Fellow	Prof. Sujit Ghosal, Jadavpur University, WB, India (AT 2011) Prof. Tushar Kanti Bhattacharya, Retired Professor, & Principal, Jorhat Engineering College (SP 2015)
Adjunct Faculty	nil
Emeritus Professors	nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	%
B. Tech in Mechanical Engineering (2013/2014)	7.7 %
M. Tech in Mechanical Engineering (2013/2014)	7.7%
Ph. D.	0.0%

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
B. Tech (Mechanical Engineering)	211	11	19:1
M. Tech (Mechanical Engineering)	16 + 44	3	20:1
Ph.D.	8	2	4:1
All programmes (excluding Ph.D.)	271	13	21:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
UDC	01	01	01
MTS	01	01	01
TO	01	01	01
STA	01	01	01
TA	02	02	02
Draftsman	02	02	02
Technician	05	05	05

16. Research thrust areas as recognized by major funding agencies

Research areas	Funding Agency
Biomass gasification	UGC
Combined heat and power for tea drying technology	DST
Automotive technology	MSME
Diesel engine performance study with biodiesels	DST
Processing and characterization of Al Alloys	DST
Fabrication of polymeric Composites	DST

17. Number of faculty with ongoing projects from

- a) National agencies : 06
b) International funding agencies : Nil
c) Total grants received : ₹ 115.89 lakhs

Names of the funding agencies, project title, and grants received project-wise
(List of projects submitted in the enclosed format, Vol-II B)

18. Inter-institutional collaborative projects and associated grants received: Nil

- a) National collaboration b) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sl. No.	Project	Year	Level	Sanctioned amount
1.	NEQIP, AICTE (ME department)	2014-2015(July)	I	24.63 lakhs

20. Research facility / centre with state/national/international recognition: Nil**21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil****22. Publications**

Publication type	Year			
*Number of Papers published in peer reviewed journals	2014-15	2013-14	2012-13	2011-12
<i>National journals</i>	Nil	Nil	Nil	01
<i>International journals</i>	19	15	06	19
<i>Regional</i>	Nil	Nil	Nil	Nil
Conference Proceedings	28	18	19	09
Books (with ISBN) & Monographs	Nil	Nil	Nil	Nil
Chapters in Books	Nil	1	Nil	2
Edited Books	Nil	Nil	Nil	Nil

Important Translated work	Nil	Nil	Nil	Nil
Number listed in International Database (Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	SCI: 32 Thomson Reuters: 14 Google scholars: 20 Scopus: 37			
Citation Index – range / average	0-24			
SNIP	--			
SJR	--			
Impact Factor – range / average	0-5.106			
h-index- range/average	0-11			

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generate: Nil

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad

Name	In what capacity	Sponsoring agency	Place of visit	Duration & time period
D. Datta	Invited talks (3 Nos.) in the workshop on "Genetic Algorithms for Engineering Optimization"	QIP	IIT Guwahati	29-31 Dec, 2014
S. Banerjee	Invited talk at "12 th Asian Forum for Material Testing"	Zwick Rock testing Machines Pvt. Ltd.	IIT Guwahati	19-23 Jan, 2015
P. P. Dutta	Invited talk at the national seminar on Green Technology "Prospect of Renewable Energy in Black tea Manufacturing"	AICTE (NEQIP)	Institute of Engg. & Technology Jorhat	14 Mar, 2015

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards

d) Reviewer of reputed journals (e) any other (please specify)

Name	National committees	International committees	Editorial Boards	Reviewer	Others
D. Datta	Nil	1. Program Committee member of (a) GECCO-2014, Vancouver, 12-16 Jul 2014. (b) GECCO-2015, Madrid, Spain, 11-15 Jul, 2015 (c) 8 th Int. Conf. on Simulated Evolution and Learning, 01-04 Dec., 2010 2. Advisory Committee member, Int. Symp. On aspects of Mechanical Engg. & Tech for Industry	Editor, Trends in Machine design, STM Journals, India	9 International Journals (Elsevier, MIT Press, Hindawi, IEEE, Springer, Taylor and Francis)	Nil

		(AMETI 2014), 06-08 Dec. 2014			
T. K. Gogoi	Nil	Nil	Nil	9 Int. Journals (Elsevier-2, Springer)	Nil
P. P. Dutta	Nil	Nil	Nil	3 National/Int. Journals	Nil
S. Banerjee	Nil	Nil	Nil	3 National/Int. Journals (Elsevier, Springer)	Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Programme	Organiser	Period
T.K. Gogoi	International conference, Energy Resources and Technologies for Sustainable Development	BESU, West Bengal	07-09 Feb, 2013.
	National conference, Energy Scene in India with Special Emphasis on Renewable Energy	Guwahati	28 Apr, 2012.
M. Bardalai	FDP on “Computational and Experimental Aspects in Thermal Science”	NERIST	27 Feb-2 Mar, 2012
	ISTE Workshop on “Akash For Education”	IIT Bombay	10-11 Nov, 2012
	Seminar on “Hydrocarbon Industry Growth-Prospects and Challenges in North East	IOCL Guwahati Refinery and Petrotech India	21-22 Jan, 2013
	Short term training programme on “Innovative in Curriculum Design”	NITTTR, Kolkata	03-07 Jun, 2013
	Short term training on “Product Design”	-do-	03-07 Jul, 2013
	Short term training programme on “Institutional Development”	-do-	15- 19 Jul, 2013
	ISTE workshop on “Engineering Mechanics”	IIT Bombay	26 th Nov-06 th Dec, 2013
	ISTE workshop on “Fluid Mechanics”	IIT Kharagpur	20-30 May, 2014
	Short term training programme on “Fluid Power Systems”	NITTTR, Kolkata	24-28 Nov, 2014
	Short term training programme on “Exposure on Matlab”	NITTTR, Kolkata	22 th Dec, 2014 – 2 nd Jan, 2015
S. Kirtania	Two-week ISTE workshop, on Engineering Mechanics, under the National Mission on Education through ICT.	IIT Bombay	26 th Nov-06 th Dec, 2013
	Faculty Development programme on “Current Approaches in Teaching and Research in Science and Technology” sponsored by AICTE-NEQIP.	School of Engineering, Tezpur University	15–27 Dec, 2014
	Short-term course on “Micro-manufacturing Technologies” sponsored by AICTE.	Dept. of Mechanical Engg, IIT - G	23– 27 Mar, 2015
P. Haloi	National Workshop on Upstream	Petrofed-OIL,	30 May-1 Jun,

	Petroleum Technology,	Duliajan	2011
	International Conference on Computational Methods in Manufacturing	IIT-Guwahati	15-16 Dec, 2011
	2-Week National Workshop on "Introduction to research methodologies"	IIT Bombay	25 Jun-04 Jul, 2012.
	2-day national workshop, Inup Familiarization Especially for N-E India	IIT Guwahati	28-29 Sep, 2012.
	1- week short term course on CAD using Inventor.	NITTTR Bhopal	08-12 Jul, 2013.
	2-week ISTE workshop, on Engineering Mechanics, under the National Mission on Education through ICT	IIT Bombay	26Nov -06 Dec, 2013.
	Main Workshop on Fluid Mechanics,	IIT-Kharagpur	20-30 May 2014
	Short Term Training programme on "Fluid Power Systems"	NITTTR, Kolkata	24-28 Nov, 2014
	Short Term Course on "Introduction to Numerical, Computational and Experimental Mechanics" (Under NEQIP-AICTE)	Dept. of ME, Assam Engg. College	09-13 Dec, 2014
	FDP on "Current Approaches in Teaching and Research in Science and Technology"	SoE, TU	15-27 Dec, 2014
	Short Term Training programme on "Applications of Matlab in Engineering"	NITTTR, Kolkata	23-27 Mar, 2015
S. Banerjee	International Conference on Computational Methods in Manufacturing (ICMM)	IIT Guwahati	15-16 Dec, 2011
	International Conference on Intelligent Manufacturing Systems (ICIMS 2012)	Thanjavur, India	17-18 Feb, 2012
	Workshop, Capturing Innovations for IPR Protection	Tezpur University	8 th Aug, 2012.
	Saksham – IT Champion Training program	Microsoft, TU	19-28 Apr, 2013.
	Workshop on Intellectual Property Rights (IPR)	MHRD IPR Chair, TU	8 Aug, 2013.
	National Conference on Manufacturing: Vision for Future (MVF 2013)	IIT Guwahati	12-13 Oct, 2013.
	2-week ISTE workshop, on Engineering Mechanics, under the NME through ICT	IIT Bombay	26 Nov -06 Dec, 2013.
	1 st Int. Conf. on Advances in Mechanical Sciences (ICAMS 2014) Hyderabad	Hyderabad	09-11 Jan, 2014.
	Academic Seminar on 'Matlab Software'	Elmax Projects & Services, TU	10 Sep, 2014
	5th International & 26th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2014)	IIT Guwahati	12-14 Dec, 2014
	Invited talk / lecture at '12th Asian Forum for Material Testing'	Zwick Roell Testing	19-23 Jan, 2015.

		Machines Pvt. Ltd., IIT-G	
S. Kashyap	2-day ISTE workshop, Akash for Education	IIT Bombay	10-11 Nov, 2012.
	Two days seminar, Hydrocarbon Industry Growth: Prospects and Challenges in North East	IOCL Guwahati Refinery and Petrotech India	21-22 Jan, 2013
	Faculty Development Programme, Recent Advances in Tribology and Materials for Tribological Applications	NERIST, Arunachal Pradesh	10-14 Apr, 2013.
	One-week Short term course, on Application of Lasers in Manufacturing	IIT Guwahati	24-28 Jun, 2013
	ISTE workshop on “Fluid Mechanics”	IIT Kharagpur	20-30 May, 2014.
	Faculty Development programme on “Current Approaches in Teaching and Research in Science and Technology”	School of Engineering, TU	15-27 Dec, 2014
S. K. Singh	Coordinators’ Workshop on Engineering Mechanics	IIT Bombay, Mumbai	16-20 Sep, 2013
Polash P Dutta	International Conference on Advances in Engineering and Technology	Lonavala, Pune, India	15-17 May, 2013.
	one-week Short term course, on Application of Lasers in Manufacturing	IIT Guwahati	24-28 Jun, 2013.
	ISTE workshop on “Engineering Mechanics”	IIT Bombay	26 Nov- 06 Dec, 2013
	National Conference on Theoretical Physics (NCTP 2013)	TU	08-12 Feb, 2013
	ISTE workshop on “Fluid Mechanics”	IIT Kharagpur	20-30 May, 2014
	ISTE workshop on “Computer Programming” (online: 20 May - 15 June)	IIT Bombay	16- 21 June, 2014)
	International Symposium on Aspects of Mechanical Engineering and Technology for Industry,	NERIST	06-08 Dec, 2014.
	FDP on ‘Current Approaches in Teaching and Research in Science and Technology’	School of Engg, TU	15-27 Dec, 2014.
P. Kalita	Workshop, Capturing Innovations for IPR Protection	Tezpur University	8 Aug, 2012.
	Workshop on Research Issues	IQAC, TU	18-19 Mar, 2013.
	Short Term Course, on Role of Numerical Analysis in Scientific Computing	IIT Guwahati	20-24 May, 2013.
	ISTE workshop, on Engineering Mechanics, under the National Mission on Education through ICT	IIT Bombay	26 Nov -06 Dec, 2013.
	Co-ordinators' workshop, on Fluid Mechanics	IIT Kharagpur	11-15 Mar, 2014.
	Short Term Training Programme on “Fluid Powered Systems” (Guwahati Ext. Centre)	NITTTR Kolkata,	24-28 Nov, 2014
	QIP Short Term Course on “Micromanufacturing”	IIT, Guwahati	22-26 Dec, 2014
P. P. Dutta	National workshop, Energy Scene in	SECONE	28 April, 2012

	North East with Special Emphasis on Renewable Energy	Society, Guwahati	
	Workshop, Capturing Innovations for IPR Protection	TU	8 Aug, 2012.
	Int. conference, Energy Resources and Technologies for Sustainable Development	BESU, West Bengal	07-09 Feb, 2013.
	22 th National and 11 th International Conference of ISHMT, ASME, Heat and Mass Transfer Conference	IIT Kharagpur	28-31 Dec, 2013.
	IV th International Conference on Advances Energy Research	IIT Bombay	10-12 Dec, 2013.
	National Conference on Recent Advances in Mechanical Engineering	NERIST, Itanagar	08-09 Nov, 2013.
	International Symposium on Aspects of Mechanical Engineering and Technology for Industry,	NERIST, Itanagar	06–08 Dec, 2014.
	ISTE main workshop on Fluid Mechanics	IIT Kharagpur	20–30 May, 2014
	National Workshop on Introduction to research methodologies	IIT Bombay	25 th Jun-04 th Jul, 2012.
	International Conference on FMFP 2014:	IIT Kanpur	13-15 Dec, 2014
	ICORE	Dept. of Energy, TU	02-04 Nov, 2011
	International Seminar and Workshop on Energy, Sustainability, and Development,	Sibsagar College.	12-14 Oct, 2012
	Workshop on Solar Photovoltaic Application	IIT Bombay and TU	12-21 Dec, 2011
	National Seminar Cum Workshop IPFP: IBES:2015	Dept. of FET, TU	27/03/15 to 28/03/2015
Z. Kalita	ISTE main workshop on Fluid Mechanics	IIT Kharagpur	20–30 May, 2014
	Short Term Course on “Introduction to Numerical, Computational and Experimental Mechanics” (INCEM2014)	Assam Engg College, Guwahati	09–13 Dec, 2014
	FDP on “Current Approaches in Teaching and Research in Science and Technology”	TU	15-27 Dec, 2014
B. Chowdhury	National Conference on Statistics and its Practices (NCSAP)	Gauhati University	23-24 Dec, 2011
	57th Annual Technical Session, Assam Science Society	Gauhati University	16 Mar, 2012
	Workshop on Effective Research Methodology	RGI, Guwahati	19 May, 2012
	4th International & 25th All India Manufacturing Technology, Design and Research (AIMTDR)	Jadavpur University, Kolkata	14-16 Dec, 2012
	International Conference - Wind Disaster Problems-Challenges Ahead	RGI, Guwahati	21-22 Feb, 2013
	Workshop on Pedagogy “Challenges of Engineering Education in the NE and	AEC, Guwahati	4 th Apr, 2013

	Role of Institutions and Teachers”		
	National workshop on ‘Deployment and Use of NPTEL Courses’	RGI, Guwahati	29—30 Apr, 2013
	National Conference on Pure and Applied Mathematics (NCPAM)	RGI, Guwahati	9-10 May, 2013
	Short Term Course ‘Role of Numerical Methods in Scientific Computing’	IIT, Guwahati	20-24 May, 2013
	Workshop on “High Performance Computing (HPC) in academia and beyond”	CDAC, AEC, Guwahati	5 th Oct, 2013
	1st International Conference on Advances in Mechanical Sciences 2014	Vardhaman College of Engg., Hyd.	09-11 Jan, 2014
	Two- Week ISTE Main Workshop on “Fluid Mechanics ”	IIT Kharagpur	20-30 May, 2014
	Workshop on Enhancing Professionalism: Discover, Learn, Grow.	R School of Engg and Technology, Guwahati	05-06 Jun, 2014
	Short Term Course Introduction to experimental, computational Mechanics	AEC. Guwahati	09-13 Dec, 2014
	5th International & 26th All India Manufacturing Technology, Design and Research (AIMTDR)	IIT Guwahati	12-14 Dec, 2014
	Workshop Cum Training program on Six Sigma Green Belt Certification	TU	26-29 Mar, 2015
R. Bhadra	5 th International and 26th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2014).	IIT Guwahati	12-14 Dec, 2014
	FDP on ‘Advanced Machining and Finishing Processes’.	IIT Guwahati	15-16 Dec, 2014
	FDP on “Modern Scenario in Welding Technology”	IIT Guwahati	16-20 Mar, 2015

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
B. Tech	100%
M. Tech (Mechanical Engineering)	100%

- percentage of students doing projects in collaboration with other universities / industry / institute: NA

28A. Internship for students of outside institutes

Year	No of students	Participating institutes	Sponsoring agencies
2014-15	4	ICFAI University, Tripura	NA
2013-14	-	-	NA
2012-13	4 1	Royal School of Engineering NIT Jamshedpur	NA
2011-12	Nil	NA	NA

29. Awards / recognitions received at the national and international level by

- **Faculty**

Name	Award/recognition	Year
Partha Pratim Dutta	Awarded DST -SERC Fast Track Young Scientist Scheme in the discipline of Engineering Sciences.	2011 - 2012
	Conferred C. Eng. (Institution of Engineers India)	2012
Sanjib Banerjee	Awarded DST -SERC Fast Track Young Scientist Scheme in the discipline of Engineering Sciences.	2012-2013
Satadru Kashyap	Awarded DST -SERB Fast Track Young Scientist Scheme in the discipline of Engineering Sciences.	2013-2014

- **Doctoral / Post-doctoral fellows:** Nil

- **Students**

Name	Award/recognition	Year
Ashutosh Das & Vedanta Baruah	1 st prize in the city round of Mahindra AQ Quiz held at NIT, Silchar.	2014
Ashutosh Das & Anubhav Joshi	1st prize in the regional round of the Sweden Global Memorial Quiz held at Guwahati	2014
Ashutosh Das & Anubhav Joshi	1st prize in the National round of the Sweden Global Memorial Quiz held at Delhi	2014
Sabyasachi De (B. Tech, ME 2008-12)	Selected for IES by UPSC	2013
Angshuman Deka and Githara Gaurav Choudhury	Selected for MS at State University of New York at Buffalo and Colombia State University, USA respectively.	2013, 2014
Miss Kalayani Kaushik	Won first prize in NE Leg of “The great debate: 2014” held at IITG on 17/10/2014.	17/10/2014
Arindam Mahanta Arindam Choudhury Rituporna Gogoi Debaraj Barua Sushant Kr. Gupata Kunal Barman	All India 9 th rank in Efficycle 2013 at Punjab University – a National level automotive design fabrication and testing competition held by SAE, India	2013
Ashutosh Das & Arunav Choudhuri	First prize in National Auto Quiz conducted by Mahindra & Mahindra Automobile, Mumbai.	2011

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/ eminent participants, if any.

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
Partha Pratim Dutta	Hands on Training on fabrication of Aluminium building structures & Brainstorming Session on MSME Project	MSME	Prof A. K. Gogoi and Prof. S. Kakoty, IITG

31. Code of ethics for research followed by the departments

As per University guidelines with a strict no to plagiarism.

32. Student profile programme-wise

Name of the Programme (refer to Item no. 4)	*Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
B. Tech	JEE (4850)	56	02		
M. Tech	217	07	01	100%	100%
2013-14					
B. Tech	AIEEE/JEE (5800)	52	03	96.2	100
2012-13					
B. Tech	AIEEE (5400)	50	0	100	0
2011-12					
B. Tech	AIEEE (5750)	30	02	100	100

*Through national level test

33. Diversity of students

Name of the Programme (refer to Item No. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B. Tech	Nil	66.22%	33.33%	0.004%
M. Tech	22.5%	55%	22.5%	Nil
Ph. D.	37.5%	25%	12.5%	25%

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	No of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	-	-	02	-	-
NET LS	-	-	-	-	-
GATE	32	29	36	12	06
Civil Services	-	-	-	-	-
Engineering Services	-	-	1	-	-
Defence services	-	-	1	-	-
Others (Specify)	-	01 (GRE)	01 (GRE) 01 (GMAT)	-	-

35. Student progression

Student progression	Percentage against enrolled				
UG to PG	2014-15	2013-14		2012-13	2011-12
	9	44		57	44.5
PG to M.Phil.	Nil	NA			
PG to Ph.D.	37.5%	NA			
Ph.D. to Post-Doctoral	NA	NA			
Employed	2014-15	2013-14	2012-13	2011-12	2010-11
• Campus selection	34.5	18	16	7	4

Student progression	Percentage against enrolled				
• Other than campus recruitment	0	9	14	20	52
Entrepreneurs	NA				

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	14.29 %
from other universities within the State	35.71 %
from universities from other States	35.71 %
from universities outside the country	14.29 %

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph.D.	04
M. Phil	Nil
D.Sc.	Nil
D. Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	Yes	01 (120 Books)
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	08 (each of 60 capacity)
d) Total number of class rooms with ICT	Yes	02
e) Students' laboratories	Yes	10
f) Research laboratories	Yes	02
g) Archive/Museum/ Studio/ Central Workshop	Yes	Common display and achieving centre called TUNNOVATION where designs and concepts developed along with those from other departments are placed.

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
	08
Post-Doctoral	
NA	
Research Associates	
NA	

40. Number of post graduate students getting financial assistance from the university: Nil**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Yes, the need analysis was done in three stages

- i) discussion with current and passed out students
- ii) taking opinions from academicians from some premier institutes and
- iii) internal discussion in departmental advisory committee meetings.

Many current and passed out students of the department put request for starting master Programme in Mechanical Engineering. The external experts from some premier institutions also emphasized on starting up post graduate course to cater the requirement of large number of students to pursue higher studies and also to boost the research and development activities in the department. The faculty members of the department also felt the need of starting M. Tech programme in an applied field to produce competent work force for industries and research institutions.

42. Does the department obtain feedback from

a)	Faculty on curriculum as well as teaching learning evaluation? If yes, how does the department utilize the feedback?
	Feedback from faculty is taken by discussion in departmental advisory committee meetings regarding curriculum revision, new electives, and teaching learning evaluation processes. New electives are introduced after getting it reviewed by experts. Similarly, any curriculum modification is incorporated after getting it reviewed by experts from academia and industry.
b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Student's feedback for non-teaching staff and curriculum is not taken. However, their feedback on teaching learning evaluation is taken in each semester. Evaluation guidelines are uniform throughout the University departments. University is updating the evaluation guidelines regularly. Student's feedback on teaching-learning is discussed in departmental advisory committee meeting for any modifications (in teaching-learning).
c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	Only informal feedback from the alumni and employers are taken.

43. List the selected alumni of the department

Sl. No.	Name	Programme and batch	Current position/ achievement (if any)
1.	Srutimala Hazarika	2006-10 (B. Tech)	Engineer, Oil India Limited
2.	Subhajit Das	-do-	Assistant Professor, NIT Arunachal
3.	Piush K. Agarwal	2007-11 (B. Tech)	Engineer, HAL
4.	Arief Ahmed Choudhury	-do-	Engineer, BHEL
5.	Lily Gogoi	-do-	Engineer, Coal India limited
6.	Nilom Sharma	-do-	Engineer John Deere Technology Centre, Puna
7.	Sabyaschi De	2008-12 (B. Tech)	Indian Engineering Services
8.	Ramesh Kumar	2009-13 (B. Tech)	Engineering Officer, IOCL, Guwahati
9.	Sudipta Gayan	-do-	Indian Air Force, Jaipur
10.	Angshuman Deka	-do-	MS, State university of New York, Bufflalo

43. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl. No.	Name	Affiliation	Title of talk	Year
1.	Prof. Manfred Groll	Retired Professor, Germany	Energy Technology and Fuel Cell	2011
2.	Prof. Anoop Kr. Dass	IIT, Guwahati	Computational Fluid Dynamics	2011
3.	Prof. Sujit Ghosal	Jadavpur University	Droplet Combustion	2012
4.	Prof. S. K. Saha	IIT, Delhi	Multi-body Dynamics	2012
5.	Prof. Sumon Chakraborty	IIT Kgp	Medical application of engineering	2014
6.	Er. Samir Kundu (Chief Manager)	NRL	Combined cycle power plant in NRL (O & M)	21/03/2015

44. List the teaching methods adopted by the faculty for different programmes.

- Blackboard teaching
- Power point presentation
- Students' seminar
- Mini project
- Home Assignment
- Use of electronic teaching materials (e-resources) by the students through computer Centre (Server)

45. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Feedback from all stakeholders is taken
- Student's feedback to teachers and course content is taken in each course
- Performance of students in GATE
- Students performance in campus placements
- Feedback from alumni and industry
- Publications in Journals
- Monitoring student's CGPA in successive semester
- Student performance in off campus placement
- Qualitative innovation and research in B. Tech final year project undertaken by students
- B. Tech students qualifying in various National/ International level examinations

46. Highlight the participation of students and faculty in extension activities

- Student participation in NSS /NCC
- Student and faculty participation in extending help to people affected by any natural calamities like flood.
- Skill development training program to the local/nearby village youths

48. Give details of "beyond syllabus scholarly activities" of the department.

- Industrial visits are organized.
- Organizing and participation in different competitions like robotics, automobile design, innovative design etc.

- Mini project for interested 5th semester onward students
- 1st prize in the city round of Mahindra AQ Quiz held at NIT, Silchar
- 1st prize in the regional round of the Sweden Global Memorial Quiz held at Guwahati
- 1st prize in the National round of the Sweden Global Memorial Quiz held at Delhi
- Cleared the prestigious IES examination conducted by UPSC
- All India 9th rank in Efficycle 2013 at Punjab University – a National level automotive design fabrication and testing competition held by SAE, India
- First prize in National Auto Quiz conducted by Mahindra & Mahindra Automobile, Mumbai.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

NBA has conducted visit for accreditation of B. Tech. programme during 6th -8th Nov, 2015

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Department has significant contribution towards development of renewable energy based Tea Drying System.
- Department is contributing towards modelling and thermodynamic analysis of new and advanced energy generation systems.
- Significant contribution has also been made towards development of new alternative fuels (Bio-diesels), their characterization and behavior in diesel engine
- Design and fabrication of a Paddy Thresher has been done.
- Design, development and fabrication of Hybrid tri-cycle is completed.
- Design and development of a waste disposal bin, which is used in the university campus

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- a) Young, dynamic and enthusiastic group of faculty members
- b) Good infrastructure and work culture
- c) Research in cutting edge areas
- d) Good performance of students in GATE
- e) Access to online scientific journals

Weaknesses

- a) Poor placement of students in campus
- b) High student to teacher ratio
- c) Insufficient research laboratories
- d) Less number of Ph. D. students
- e) Less number of faculty with Ph. D.

Opportunities

- a) To start more post graduate level courses
- b) Getting more projects from funding agencies such as DST, AICTE, UGC, MNRE
- c) Offering more job oriented electives
- d) Preparing students for national level competitive examinations
- e) To attract brilliant students towards research and teaching

Challenges

- a) Getting faculty with Ph. D. from different Mechanical Engineering specializations
- b) Getting adequate fund for laboratory development
- c) To improve the status of campus placement
- d) To increase the number of elective courses
- e) Formation of active alumni association for overall development

52. Future plans of the department.

- To start need based advance curricula
- To enhance computational and experimental research infrastructures.
- To prepare the final year students for appearing in National/International level competitive examinations



SCHOOL OF MANAGEMENT SCIENCES

School of Management Sciences

1. Name of the Department : Business Administration

2. Year of establishment : 1995

3. Is the Department part of a School/Faculty of the university?

Yes, School of Management Sciences

4. Names of programmes offered

Sl.No	Name of Programme	Duration	Intake
1	Master in Business Administration	2 yrs	50
2	Post Graduate Diploma in Tourism Management	1 yr	23
3	Ph. D. in Business Administration	Minimum 6 Sem.	variable

5. Interdisciplinary programmes and departments involved: Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programmes discontinued, if any, with reasons

Programme	Reason of discontinuation
MBA (Part time) programme for working executive discontinued w.e.f.2012	Smaller catchment area and compulsory attendance norms led to lesser number of applicants not enough to meet the break even points.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

Course	Offered under department/school
B. Tech BM321- Fundamentals of Management, BM322- Social Responsibility and Professional Ethics in Engineering	School of Engineering

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	Pool system	6	6
Associate Professor	do	3	3
Assistant Professor	do	5	5

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D students guided last 4 years
Chandana Goswami	MBA, Ph.D, FDP	Professor	Financial Management	6	4

Mrinmoy K. Sarma	MBA, Ph.D	Professor	Marketing & Tourism Management	10	2
Subhrangshu S. Sarkar	M.Com, Ph.D	Professor and Dean	Finance, Taxation	5	1
Debabrata Das	M.Com, Ph.D	Professor and Head	Accounting & Finance	5	nil
Chandan Goswami	MBA, Ph.D	Professor	Marketing, Tourism	2	4
Papori Baruah	MBA, Ph.D	Professor	HR	3	nil
Tridib Ranjan Sarma	BE, MBA, Ph.D., DCA	Associate Professor	System and Operations	6	nil
Anjan Bhuyan	M.A., Ph.D	Associate Professor	Economics, Entrepreneurship Tourism	5	nil
Arup Roy	MBA, Ph. D.	Associate Professor	Finance	2	nil
Heera Barpujary	MCA, LLB, Ph. D.	Assistant Professor	Knowledge Management, Information Technology	16	nil
Kakali Mahanta	MBA, Ph.D.	Assistant Professor	Marketing, HR	7	nil
Runumi Das	MBA, Ph. D.	Assistant Professor	Marketing	6	nil
Mridul Dutta	MBA, Ph. D.	Assistant Professor	Marketing, Tourism	5	nil
Reshma Tiwari	M.Com Ph. D.	Assistant Professor	Accounting, Financial Inclusion, Microfinance	1	nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Senior Visiting Fellow	Prof.SankarDutta, SAP Visiting Fellow Prof.BhabaniprasadRath, Berhempur University
Adjunct Faculty	Nil
Emeritus Professors	Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Nil

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
MBA	98	14	7:1
PGDTM	8	4	2:1
Ph. D. in Business Administration	34	9	3.8:1
All departmental programmes (excluding Ph.D.)	106	14	7.6:1
All departmental programmes (Including Ph.D.)	140	14	10:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
LDC	01	01	01
STA	01	01	01
TA	01	01	01
MTS	01	01	01

16. Research thrust areas as recognized by major funding agencies

Research area	Funding Agency
Livelihood Development & Microfinance	UGC

17. Number of faculty with ongoing projects from

- a) National agencies : 3
 b) International funding agencies : Nil
 c) Total grants received : ₹ 37.9 Lakhs

Names of the funding agencies, project title and grants received project-wise.

(List of projects submitted in the enclosed format, Vol-II B)

18. Inter-institutional collaborative projects and associated grants received: Nil

- a) National collaboration b) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S.N.	Project	Year	Level	Sanctioned amount (₹)
1	UGC -SAP	2011-2016	DRS I	35,00,000

20. Research facility / centre with state/national/international recognition: Nil**21. Special research laboratories sponsored by / created by industry or corporate bodies**
Nil**22. Publications**

Publication type	Year			
*Number of Papers published in peer reviewed journals	2014-15	2013-14	2012-13	2011-12
<i>National journals</i>	8	5	8	13
<i>International journals</i>	10	8	8	9
<i>Regional</i>	6	3	Nil	2
Conference Proceedings	7	1	7	4
Books (with ISBN) & Monographs	Nil	2	1	1
Chapters in Books	9	6	15	8
Edited Books	1	Nil	1	Nil
Important Translated work	Nil	Nil	Nil	Nil
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	70			
Citation Index – range / average	36-99			
SNIP				
SJR				

Impact Factor – range / average	0.4 – 3.2
h-index- range/average	1-4

23. Details of patents and income generated: Nil**24. Areas of consultancy and income generate**

Faculty	Details including name of clients	Income generated(₹)
Prof. ChandanaGoswami	Socio Economic Survey for Power Grid Corporation (2011-12)	56,490.00
Prof. S.S. Sarkar & Dr. PaporiBaruah	Handholding exercise for setting up of KPI at AGCL.(2012-2013)	70,000
Prof. S SSarkar and Prof. P Baruah	Implementation of Performance Related Pay (PRP) Based Performance Management System (PMS) In Assam Petrochemicals Limited, Namrup. (2012)	50,000
Prof. S SSarkar and Prof. P Baruah	Implementation Of Performance Related Pay (PRP) Based Performance Management System (PMS) In Assam Gas Company Limited, Duliajan (2012)	50,000
Prof. S SSarkar	Sample survey on out of school children (2013-14)	6,60,000
Prof. S SSarkar (Coordinator) with other faculty members of the Department	Training Needs Analysis, Design of Training, Training Plan and Training Policy of State Level Public Enterprises (SLPEs); and (ii) Support and facilitation for introducing and institutionalizing Memorandum of Understanding (MoU) based performance rating system at Assam Cooperative Jute Mills Limited (2013-15)	12,00,000

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad: Nil**26. Faculty serving in**

- a) National committees b) International committees c) Editorial Boards
d) Reviewer of reputed journals (e) any other (please specify)

Name	National committees	International committees	Editorial Boards	Reviewer	Others
Chandana Goswami	NAAC Peer team		Amity Journal of Finance		
S. S. Sarkar	- ITHC, East zone Secy, - Executive Board member, AIMS - Life Member, IIPA - Life Member, Indian				

	Commerce Association - Life Member, Indian Society for Technical Edu. (ISTE) - Former Member, Academic Council, NERIST - Member, PG Board of Studies, Assam University, NEHU, Tripura Univ., Nagaland Univ., Sikkim Univ. Member, Chartered Management Institute (CMI), UK -Member, Board of PG Studies, Tripura Univ., Agartala -National Vice President, Indian Tourism & Hospitality Congress Member, Governing Body, Midnapore College, WB				
D.Das	Member, Academic Council of Assam Institute of Management & NERIST		ACME Int. Journal of Research in Management, Soc. Sci. and Tech., Amity Journal of Finance	Journal of South Asian Development	
Anjan Bhuyan			Eco-Centric, Journal of Economics		
Arup Roy			Universal J. of Accounting & Finance Horizon Research Publishing		

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Programme and Organiser	Period
ChandanaGoswami	2-day ISTE Workshop on Aakash for Education conducted by IIT Bombay	10-11 Nov,2012
	3-Day Workshop on Advanced Data Analysis & AMOS, Dept of Business Administration, TU in assoc. with SPSS South India Pvt. Ltd.	28-30 July, 2014
	Regional Training Programme Cum Workshop	28Nov, 2014

Name	Programme and Organiser	Period
	on ShodGanga and Anti-Plagiarism Software, Central Library, TU in assoc. with INFLIBNET Centre.	
	Six Sigma: Green Belt Certification, ISI Bangalore and Tezpur University	26 – 29Mar, 2015
M K Sarma	Univ. of Toronto BE 101x:Behavioral Economics in Action (moocscourse)	December, 2013
D. Das	AICTE-QIP Programme on Commodity Derivatives & Risk Management	21-27 April,2014
	AIMA Workshop on Case Teaching & Case Writing	16-18 Jan,2014
ChandanGoswami	3-Day Workshop on AdvancedData Analysis and AMOS,Dept of BusinessAdministration, TU in Assoc. with SPSS South IndiaPvt. Ltd.	28-30 July, 2014
PaporiBaruah	Six Sigma: Green Belt Certification, ISI Bangalore and Tezpur University	9-11, March,2012
	3- Day Workshop on AdvancedDataAnalysis & AMOS, Dept ofBusiness Administration, TU in assoc. with SPSS South India Pvt. Ltd.	28-30 July, 2014
	Saksham – IT Champion Training Program, Microsoft	19 – 28April, 2013
Tridib R. Sarma	Six Sigma: Green Belt Certification, ISI Bangalore and Tezpur University	9-11, March,2012
	2-day ISTE Workshop on Aakash for Education conducted by IIT Bombay	10-11 Nov, 2012
Arup Roy	FDP on “Current Approaches in Teaching and Research in Science and Technology” under AICTE – NEQIP Scheme,School of Engineering, TU	15-27, Dec, 2014.
	Research Methodology in Social Science organised by the Equal Opportunity Cell, TU, sponsored by ICSSR, NERC at TU	March, 2012
	North-East ISI-TU Spring School on Selected Topics in Algorithms held at Tezpur University, organised jointly by Advanced Comp.&Microelectronics Unit, ISI, Kolkata, and Dept. of Computer Science and Engg, TU	21-23, March 2011
	National Science Academies’ Lecture Workshop on Nonlinear Dynamics (ND2011), Dept. of Physics, TU	26-28 April, 2011
	Workshop on Development of Self-Learning Materials for DistanceLearners,TU	17-18, June, 2011
	IQAC Workshop on “Question paper setting and API”, IQAC, Tezpur University	14-15, Mar, 2012
	Regional Training Programme Cum Workshop on ShodGanga and Anti-Plagiarism Software, Central Library, TU in assoc.with INFLIBNET	28 Nov, 2014
	Scilab training organized by School of Engineering, Tezpur University	26 Dec, 2014
Heera Barpujary	IQAC Workshop on “Question paper setting and API”, IQAC, Tezpur University	14-15, Mar, 2012

Name	Programme and Organiser	Period
	FDP on Contemporary and Modern Approaches on Teaching Methods for Management Studies, GS Foundation Group of Institutions, Guwahati	4-16 June, 2012
	2-day ISTE Workshop on Aakash for Education conducted by IIT Bombay	10-11 Nov, 2012
	Saksham – IT Champion Training Program, Microsoft	19 – 28 April, 2013
	5th Indian School on Logic and its applications, Assoc. for Logic in India and Dept of Comp. Sci. & Engg, TU	6-17 January, 2014
	3-Day Workshop on Advanced Data Analysis and AMOS, Dept of Business Administration, TU in Assoc. with SPSS South India Pvt. Ltd.	28-30 July, 2014
	Regional Training Programme Cum Workshop on ShodGanga and Anti-Plagiarism Software, Central Library, TU in assoc. with INFLIBNET	28 Nov., 2014
	Scilab training organized by School of Engineering, Tezpur University	26 Dec., 2014
Kakali Mahanta	Workshop on Development of Self-Learning Materials for Distance Learners, TU.	
	IQAC Workshop on “Question paper setting and API”, IQAC, Tezpur University	16 Dec, 2013-
	Workshop on advanced research methodology and statistical analysis	12 Jan, 2014
	UGC sponsored orientation programme, Academic Staff College, Gauhati University	16 Dec, 2013-12 Jan, 2014
	3-Day Workshop on Advanced Data Analysis and AMOS, Dept of Business Administration, TU in Assoc. with SPSS South India Pvt. Ltd.	28-30 July, 2014
	Regional Training Programme Cum Workshop on ShodGanga and Anti-Plagiarism Software, Central Library, TU in assoc. with INFLIBNET	28-30 July, 2014
	FDP on “Current Approaches in teaching and Research in Science and Technology” under AICTE – NEQIP Scheme, School of Engineering, TU	28 Nov, 2014
	Scilab training, School of Engineering, Tezpur University	15-27, Dec, 2014.
Runumi Das	UGC sponsored orientation programme, Academic Staff College, Gauhati University,	16 Dec., 2013-12 Jan, 2014
	Orientation Programme for Research Scholars and faculty Members belonging to Scheduled Caste and other Marginalized Groups, Equal Opportunity Cell, TU and ICSSR, NERC	23-27 Sept, 2013
	3-Day Workshop on Advanced Data Analysis and AMOS, Dept of Business Administration, TU in Assoc. with SPSS South India Pvt. Ltd.	28-30 July, 2014
	ICSSR-sponsored Workshop on Research Methodology in Social sciences, Dept of	24 Nov – 3 Dec, 2014

Name	Programme and Organiser	Period
	Mass Communication & Journalism, TU	
Mridul Dutta	Six Sigma: Green Belt Certification, ISI Bangalore and Tezpur University	9-11, March, 2012
	FDP on Contemporary and Modern Approaches on Teaching Methods for Management Studies, GS Foundation Group of Institutions, Guwahati	4-16 June, 2012
	Centered learning seminar by Harvard Business publishing at IIM, Bangalore	Jan, 2013
	Six Sigma: Green Belt Certification, ISI Bangalore and Tezpur University	9-11, Mar, 2012

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Name of Programme	Percentage
MBA (Summer Internship Projects)	100%
PGDTM	100%

- percentage of students doing projects in collaboration with other universities / industry / institute: Nil

29. Awards / recognitions received at the national and international level by

- Faculty

Name	Award/recognition	Year
Anjan Bhuyan	DainikBhaskar National Educational Leadership Award	2013

- Doctoral / post doctoral fellows: Nil
- Students: Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/ eminent participants, if any.

Name of Faculty coordinator	Seminar/Conferences/ workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
M. K Sarma Kakali Mahanta (Asstt. Coordinator)	Weeklong Professional/Faculty Development Programme on Research Methodology (13-18 Feb, 2012) (No. of participants: 26) (National)	Self-Financed	
Chandana Goswami	3-day residential MDP for executives on "Enhancing Competencies for Organizational Effectiveness" (05 – 07 Dec, 2012) (National)	Self-Financed	

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
Mrinmoy Kr. Sarma/ Arup Roy	One day UGC SAP DRS I Initiative Workshop on Designing Contemporary Livelihood Interventions (22 January,2013) (National)	UGC	
M. K Sarma and KakaliMahanta (Asstt. Coordinator)	Weeklong Professional/Faculty Development Programme on Quantitative Research Tools. (28 Jan - 2 Feb,2013) (No. of participants: 20) (National)	Self-Financed	
S. S. Sarkar	Certification programme for Six Sigma Green Belt for NE states (ISI Banaglore) (26-29 March, 2015)	Self-Financed	1. Dr.Sanjit Ray, 2.Prof. SomnathRay, 3. Prof.Ashim 4. Roychowdhury, ISI, Bangalore
S.S. Sarkar	Joint Workshop on “Companies Act, 2013 and Corporate Governance” (30-31 January, 2015)	Board of Studies, Institute of Chartered Accountants of India (ICAI)	1.CA VikashK.Jain, Vice Chairman,Guwahati Br. of EIRC of ICAI 2. Vijay Kapur, Director, Board of Studies, ICAI 3. CA Sunil Sharma, 4. CA Debashis Mitra, 5. Prof.SujitSikidar, 6. CA BikashAgarwala, 7. CA DevajitSharma 8. CA A. K.Agarwala
S. S. Sarkar	3-day MDP for power grid executives on " Habits of Highly Effective people" (July 28 – 30, 2014)	Self-Financed	
S. S. Sarkar	3-day MDP for power grid executives on " Team Performance Management" (17 – 19 July, 2014)	Self-Finance	
S. S. Sarkar	3- day MDP for power grid executives on " Leading for Business excellence" (07 – 09 July, 2014)	Self-Finance	
S.S. Sarkar	Certification programme for Six Sigma Green Belt for NE states (ISI Banaglore) , (21 – 24 January,2013)	Self Finance	1. Dr. Sanjit Ray, 2. Prof. Somnath Ray, 3. Prof. Ashim 4. Roychowdhury, ISI, Bangalore

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
S. S. Sarkar & Arup Roy	National Seminar on “Relevance of Vedic Texts in Modern Management (17-18, November, 2012) (National)	ISOL	1. Prof. Sunita Singh Sengupta, FMS, Delhi University
S. S. Sarkar	3 day workshop on Soft skills and management (October 5-7, 2012)	Self Financed	
S.S. Sarkar	Certification programme for Six Sigma Green Belt for NE states (ISI Banaglore) (9-11, March,2012)	Self Finance	1. Dr. Sanjit Ray, 2. Prof. Somnath Ray, 3. Prof. AshimRoychowdhury, ISI, Bangalore
S. S. Sarkar	National Tourism Conference (6 -8 January 2012)	Government of India	1. Prof.SandeepKulshrethra, IITTM, Gwalior
Debabrata Das	National Seminar on “Managing Rural Development in North East India: Perspectives, Policies and Experiences” (07-08 November 2014)	UGC-SAP	1. Dr.Amia Kr. Sarma,ExecutiveDirector,RG VN 2. Prof.S.S.Sangwan, SBI Chair Professor,CRRID 3. Prof. R.M. Pant, Director, NIRD 4. Mr. S. J. Bhorali, CMD, Asomi Fin Services Pvt.Ltd.
Debabrata Das	National Seminar on Financial Inclusion and Inclusive Growth (25 and 26 October, 2013)	ICSSR, New Delhi	1. Prof. Atul Sarma, Ex.VC, RGU 2. Mr. C.S. Ghosh, CMD, Bandhan Microfinance Pvt Ltd. 3. Dr. B.K.Swain, Prof. & Head, NIRD 4. Prof. P.K. Halder 5. Kanhaiya Singh, Fore School of Management 6. Prof. S. Banerjea, Calcutta Univ.
Arup Roy	UGC-SAP (DRS-I) Workshop on the theme “Livelihood Development & Microfinance: Issues, Challenges & Future Roadmap” (March 23, 2012) (National)	UGC	1. Dr.Amiyo Kr. Sarma
Arup Roy	3-day UGC (SAP) DRS – I Workshop on “Advanced Data Analysis Using SPSS & AMOS” in association with IBM	UGC	1. Prof. K. K. Das Gauhati University

Name of Faculty coordinator	Seminar/Conferences/workshops organized (National/International)	Source of funding	Eminent Participant/ resource person
	SPSS South Asia Pvt., Ltd., Bangalore (28-30 July, 2014) (National)		

31. Code of ethics for research followed by the departments

We commit ourselves to a lifelong effort to act ethically; encourage ethical behaviour by students, supervisors, faculty and staff. We agree to respect the culture and norms of the society based on the code of ethical research in management.

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2014-15					
MBA	410	35	15	2 nd Semester	
PGDTM	47	7	3	Final Semester	
2013-14					
MBA	684	34	16	Final Semester	
PGDTM	27	4	4	100%	100%
2012-13					
MBA	736	37	12	100%	100%
PGDTM	22	3	3	100%	100%
2011-12					
MBA	571	21	23	100%	100%
PGDTM	N/A	7	4	100%	100%

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBA (2011-13)	0	61.36%	38.64%	Nil
MBA (2012-14)	0	50%	50%	Nil
MBA (2013-15)	0	79.17%	20.83%	Nil
MBA (2014-15)	2%	64%	36%	Nil
PGDTM (11 - 12)	0	100	Nil	Nil
PGDTM (12 – 13)	0	100	Nil	Nil
PGDTM (13 - 14)	Nil	100	Nil	Nil
PGDTM (14 – 15)	Nil	100	Nil	Nil
PhD (Autumn, 2013)	Nil	100	Nil	Nil
PhD (Spring, 2014)	Nil	100	Nil	Nil
PhD (Autumn, 2014)	16.6	83.4	Nil	Nil

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PhD (Spring, 2015)	16.6	83.4	Nil	Nil

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

	No of students qualified				
	2014-15	2013-14	2012-13	2011-12	2010-11
NET JRF	Nil	Nil	1	Nil	Nil
NET LS	Nil	4	3	9	Nil
GATE	Nil	Nil	Nil	Nil	Nil
Civil Services	Nil	Nil	Nil	Nil	Nil
Engineering Services	Nil	Nil	Nil	Nil	Nil
Defence services	Nil	Nil	Nil	Nil	Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	N/A
PG to M.Phil.	N/A
PG to Ph.D.	20 %
Ph.D. to Post-Doctoral	N/A
Employed	
• Campus selection	76 %
• Other than campus recruitment	14 %
Entrepreneurs	10 %

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	30.77%
from other universities within the State	61.54 %
from universities from other States	7.7%
from universities outside the country	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number
Ph.D.	4
M. Phil	Nil
D.Sc.	Nil
D. Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Facility	Yes/No	Number/ Capacity
a) Library	Yes	1/(456 Books)
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	13/50 per room
d) Total number of class rooms with ICT	Yes	4/50 per room
e) Students' laboratories	Yes	1/(45 capacity)
f) Archive/Museum/ Studio	Nil	N/A

39. List of doctoral, post-doctoral students and Research Associates

From host institution/ university	From other institutions/universities
Doctoral	
8	32
Post-Doctoral	
Nil	1
Research Associates	
Nil	Nil

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**1. Integrated Technology MBA**

Present proposed new programme on integrated technology MBA is based on industry need assessment, endorsed by AICTE vide its letter no S.No.01-29/Cm/AICTE/dated May 7, 2012.

2. Master of Tourism and Travel Management**Need Assessment**

Tourism is still a nascent sector in the Northeast region of the country and as the industry received importance from the new central Government, it can safely be presumed that it would see an unprecedented growth in the near future.

The Department of Business Administration, Tezpur University, has been running a one year post graduate diploma in tourism management programme since 2002. The Department has been successful in placing the pass out students of this programme locally as well as nationally. But in recent years it has been observed that the demand has been increasing for Post Graduate Master Degree holders, and placing the diploma holders has been becoming more and more difficult. Discussions with recruiters and different experts involved in the field of tourism have revealed that as the tourism industry is growing at a fast rate, the professionalism and skill required in the manpower has increased tremendously. It has been pointed out that such skill and professionalism is impossible to impart to a candidate in a one year diploma course.

It is to be noted here that two colleges of Assam has been running MTTM programmes under the Innovative Programme scheme of the UGC. It has been observed that all tourism related jobs in the government sector have been bagged by the pass out of these MTTM

programmes whereas the pass out of the PGDTM programme were not even eligible to appear in the interview for such jobs.

Keeping the above in mind, the two year Master is Tourism and Travel management has been proposed.

42. Does the department obtain feedback from

(a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	Yes, discussions on curriculum as well as on teaching-learning-evaluation carried out in DAC meetings regularly and utilized in due course.
(b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Yes, regular students' feedback is carried out at semester end. HOD conducts one to one informal discussions with faculty members on the feedback and remedial measures are incorporated.
(c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	The department is in constant touch with the alumni in different occasions and get feedback on programmes being run. Alumni are invited to take part in the admission process and project evaluation etc. where dialogue on different issues takes place. Similar feedback exercise is done when the employers visit the department for campus placement. However, department does all these efforts mostly in informal ways.

43. List of selected alumni of the department

Sl No.	Name	Programme and batch	Current position/ achievement (if any)
1	Dr. SamipBaruah	MBA, 1994-96	National Sales Manager, Logistics & Supply, ITC
2	ManashJyotiSarma	MBA, 1996-98	Assistant Vice President Abu Dhabi Bank, Dubai
3	NayanandaGoswami	MBA, 1997-99	Assistant Vice President, DLF
4	ParthaPratimGogoi	MBA, 1994-96	Event Manager
5	Hemanta Bayan	MBA, 1997 -99	Cluster Head & Deputy Vice President, HDFC Bank
6	NandiniSarmah	MBA, 1997 -99	MD, Paramount Advertising, Mumbai
7	Ajanta Phatowali	MBA, 1996-98	Deputy General Manager, IDBI
8	NitumaniGoswami	MBA 1998 – 2000	Zonal Manager-NE Exports, PepsicoFritolay
9	BanajitOjha	MBA, 1996-98	Head (HR), NE, BhartiInfratel
10	RoshmiBarthakur	MBA, 1996-98	Head,Business Strategy and Planning, American Express

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl No.	Programme details	Date/s	Name of Experts
1	Certification programme for Six Sigma Green Belt for NE states (ISI Banaglore)	9-11, March,2012	Dr.Sanjit Ray Prof.Somnath Ray Prof. AshimRoychowdhury, ISI, Bangalore
2	Certification programme for Six Sigma Green Belt for NE	21-24Jan, 2013	Dr.Sanjit Ray Prof.Somnath Ray

	states (ISI Banaglore)		Prof. AshimRoychowdhury, ISI, Bangalore
3	MBTI Programme for personality trait identification	8 September, 2012	NirmalyaBhattacharyaa
4	Workshop on “life style skill” for students	10-13Nov,2012	Manoj Kr. Das,9 wires
5	Certification programme for Six Sigma Green Belt for NE states (ISI Banaglore)	26 – 29 March 2015	Dr.Sanjit Ray Prof.Somnath Ray Prof. AshimRoychowdhury, ISI, Bangalore

45. List the teaching methods adopted by the faculty for different programmes.

- (a) Group learning.
- (b) Case study method.
- (c) Field survey.
- (d) Industrial visit and assignments.
- (e) E-learning.
- (f) Library assignments.
- (g) Seminar.
- (h) Tutorials

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The Department, in the line of University guidelines, conducts continuous assessment to constantly monitor learning outcomes and to ensure the fulfillment of programme objectives.

47. Highlight the participation of students and faculty in extension activities.

Faculty members are engaged in extension activities for example, conducting financial literacy programme, career counseling, personality development, women empowerment, Advisor in civil society organization etc.

48. Give details of “beyond syllabus scholarly activities” of the department.

- i) The department is engaged in various professional activities related to development of performance management system in the state level public enterprise for government of Assam.
- ii) Department is also associated with preparation of human development report for government of Assam.
- iii) Weekly Seminars and talks by eminent persons on recent advances, emerging areas and current business environment.
- iv) Publication of e-magazine “Uttaran”.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Rated ‘A’ category by Business Chronicle B-School Survey and Listed among top 10 B-School in Eastern Region.

Rated A3 by AIMA

Rated A by MBA by Choice, Discovery Education Media

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The research works carried out in the department over the recent years have contributed positively towards addition to the existing body of knowledge. All the Doctoral works

completed and being carried out in the Department has been published as original research works in reputed national and international journals. This is in recognition to the fact that the works have indeed contributed to the body of knowledge.

Being not in pure science and technology area it has been really hard to invent technology or process worthy of patents. However, the works that's being carried out in the Department have been cited extensively worldwide and, in many cases, the input from the same are used in policy making by the concerned Govt. authorities like the tourism department and department of education (like Sarba Siksha Abhijan).

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1 Energetic and vibrant team of faculty
- 2 Support from wider base of alumni in final placement and summer internship
- 3 Residential program with state of the art infrastructure
- 4 Dynamic curriculum
- 5 Stringent check of students input through CAT, MAT & CMAT
- 6 State of art use of ICT in teaching- learning process

Weaknesses

- 1 Remoteness of the location from the main land
- 2 Situated in non-Industrial belt
- 3 Limited Industry exposure
- 4 Lesser exposure of faculty in case based teaching
- 5 No foreign collaboration

Opportunities

- 1 Emerging possibilities for international tie-ups with foreign universities in the form of credit transfer, joint degree and collaborative research
- 2 Enhancing managerial competencies for corporate/government/non-government sector
- 3 Research and advocacy in the areas of Cross border Trade and Business, Entrepreneurship, Tourism and Financial Services
- 4 Digital Databank on Trade, Business in North East Region
- 5 Consultancy specific to programme evaluation

Challenges

- 1 Mushroom growth of private sector B-school throughout the region
- 2 Market recession resulting in job shrinkage
- 3 Students outflow from the region for professional education, posing challenge to get better pool of MBA aspirants
- 4 Coping up with the dynamic needs of the industry and other stakeholders
- 5 Upholding the brand Image

52. Future plans of the department.

New Programmes

1. Integrated B. Tech – MBA Programme

The department is planning to explore opportunity in offering dual degree programme in inter disciplinary areas. The department has initiated preliminary work for introducing an integrated B. Tech-MBA programme in the line of

AICTE guidelines.

2. Master of Tourism and Travel Management (MTTM)

The department is planning to upgrade the one year Post Graduate Diploma in Tourism Management to 2 Year Fulltime master's Programme Master of Tourism and Travel Management (MTTM) from 2016.

New research Initiatives

The department contemplating to initiate research in the area of developing managerial interventions for sustainable economic development of backward region. The thrust areas thought of are developmental programme evaluation, livelihood management and entrepreneurship development and financial services, Financial Inclusion and Inclusive Growth.

School of Management Sciences

1. Name of the Department : Commerce

2. Year of establishment : 2014

3. Is the Department part of a School/Faculty of the university?
Yes/ School of Management Sciences

4. Names of programmes offered

SN	Name of Programme	Duration	Intake
1	Integrated M.Com.	5 Years	32

5. Interdisciplinary programmes and departments involved: Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

7. Details of programmes discontinued, if any, with reasons: Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester with Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments: Nil

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled	Actual (including CAS/MPS)
Professor			Presently Faculties are drawn from Department of Business Administration
Associate Professor			
Assistant Professor			
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance (Pl. refer to Item 10.)

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil

13. Percentage of classes taken by temporary faculty – programme-wise information: Nil

14. Programme-wise Student Teacher Ratio

Programme	No of students	No of teachers	Ratio
Integrated M.Com.	32	3*	10.6: 1

*Affiliated to Dept. of Business Administration

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual
Upper Division Clerk (on part time basis)	-	-	-

16. Research thrust areas as recognized by major funding agencies: NA

17. Number of faculty with ongoing projects from

a) National agencies : Nil

- b) International funding agencies : Nil
c) Total grants received : Nil

18. Inter-institutional collaborative projects and associated grants received: NA

- a) National collaboration b) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil

20. Research facility / centre with state/national/international recognition: Nil

**21. Special research laboratories sponsored by / created by industry or corporate bodies
Nil**

22. Publications: Nil

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generate: Nil

25. Faculty selected nationally /internationally to visit other laboratories / institutions / industries in India and abroad: Nil

26. Faculty serving in: Nil

- a) National committees b) International committees c) Editorial Boards
d) Reviewer of reputed journals (e) any other (please specify)

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs)

Regular Faculty Members are yet to be appointed

28. Student projects: Nil

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

29. Awards / recognitions received at the national and international level by: NA

- Faculty
- Doctoral / post doctoral fellows
- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding/eminant participants, if any.

Name of Faculty coordinator	Seminar/Conferences/workshops organized (mention dates) (National/International)	Eminent Participant/ resource person
S.S. Sarkar	Joint Workshop on 'Companies Act, 2013 and Corporate Governance'	Prof. SujitSikidar, Shri Vijay Kapur, CA Sunil Sharma, CA DebashisMitra, CA BikashAgarwala, CA Devajit Sharma and CA Anil Kumar Agarwala

31. Code of ethics for research followed by the departments: NA

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Integrated M.Com					
2014-15 (First batch)	340	19	14	NA	NA
2015-16 (Second batch)	529	19	13	NA	NA

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Integrated M.Com.	0	100	0	0

34. How many students have cleared Civil Services, Defence Services and similar examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. (details, wherever possible should be kept)

NA (first batch admitted in 2014)

35. Student progression: NA**36. Diversity of staff:** NA**37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** NA**38. Present details of departmental infrastructural facilities with regard to**

Facility	Yes/No	Number/ Capacity
a) Library	No	-
b) Internet facilities for staff and students	Yes	For all
c) Total number of class rooms	Yes	4
d) Total number of class rooms with ICT	Yes	2
e) Students' laboratories	No	-
f) Research laboratories	No	-
g) Archive/Museum/ Studio	NA	-

39. List of doctoral, post-doctoral students and Research Associates: Nil**40. Number of post graduate students getting financial assistance from the university. :** Nil**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Research based on Secondary Data was undertaken to test the hypothesis "Whether students migrate from the State of Assam for learning Commerce in search for better education" and the findings proved to be positive. The question that came was regarding "What could be the possible reasons behind the migration of students from the State of Assam". Among various reasons, the most important reasons that we tapped down were - Dissatisfaction of the students with the Course curriculum due to its redundancy, Lack of

use of information technology, Incompatibility with job oriented professional courses and so on.

Then after, an analysis of the Detailed Syllabus of the various courses and the Area of specialization offered by different educational institutions viz. Colleges, Universities and other Institutions, both government and private based in the state of Assam was undertaken. Finally, after striking out the various shortcomings, a new updated professional programme viz. Integrated M.Com was designed to overcome the limitations of all the similar existing programmes offered by other institutions in Assam in Commerce and thereby providing the students what they expected.

42. Does the department obtain feedback from

(a)	Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
	Yes, Feedback is shared amongst faculties and actions are taken if needed
(b)	Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
	Yes, Students Feedback is received
(c)	Alumni and employers on the programmes offered and how does the department utilize the feedback?
	NA

43. List the selected alumni of the department: Nil (since department started in the year 2014)

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl No.	Programme details	Date/s	Name of Experts
1	Opportunities for Commerce Students	22 July, 2014	Prof. Ashok K. Dutta
2	Basic Economic Concepts and Principles	4,5,7 Aug, 2014	Prof. B. Ghosh
3	Human Civilization, Intellectual Property Rights	14 Aug, 2014	Prof. P. Ganguly
4	Joint Workshop on 'Companies Act, 2013 and Corporate Governance'	30-31 Jan, 2015	Prof. Sujit Sikidar, Shri Vijay Kapur, CA Sunil Sharma, CA Debashis Mitra, CA Bikash Agarwala, CA Devajit Sharma, CA Anil K. Agarwala
5	Motivation, Communication and Control	28-29 March, 2015	Dr. Parimal Sen
6	Motivational Speech	01 Aug, 2015	Prof. S.S. Khanka
7	Significance of Management Education and its future	28 Sept, 2015	Vijay Singh, Sudhir Sharma
8	Environmental Issues and Environmental Costing	16 Nov, 2015	Prof. Sudipti Banerjee
9	Interactive Session	29 Nov, 2015	Mr. Dimbeswar Kakati, General Manager (HR), Assam Petrochemicals Ltd.

45. List the teaching methods adopted by the faculty for different programmes.

- i. Use of ICT

- ii. Relevant news articles
- iii. Field based projects
- iv. Assignments based on Annual report of companies
- v. Case Studies
- vi. Role Playing

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- i. Through continuous evaluation and continuous monitoring the progress of students
- ii. Syllabus focused towards our programme objective
- iii. Personal interaction with students
- iv. Mentoring

47. Highlight the participation of students and faculty in extension activities.

- i. Being the first batch, the students assisted the Faculties in organizing the Inaugural Programme for the Department of Commerce.
- ii. The students also help the faculties in maintaining the assets deployed in the department on regular basis
- iii. A group is formed for carrying out the various extension activities in the nearby community.

48. Give details of “beyond syllabus scholarly activities” of the department.

- i. Organisation of two days Joint Workshop on ‘Companies Act, 2013 and Corporate Governance’ January 30-31, 2015 in Board of Studies Institute of Chartered Accountants of India (ICAI).
- ii. To make the students aware of the recent changes and developments assignments are given.
- iii. Field based surveys are given to familiarize with the students with the practical world and to enable them to apply the skills and knowledge gathered in classroom to the field.
- iv. An E-Magazine “Adwitiya”, where students portray their ideas of contemporary issues, is initiated.

49. State whether the programme/ department is accredited/ graded by other agencies?

If yes, give details: No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- i. To arrest the outflow of students from Assam to other states of the country for studying commerce, the course structure and detailed syllabi is prepared in the line with premier institutions
- ii. Commerce education is getting prominence in the present era which is reflected in recent times
- iii. Review of the syllabi of different universities at national level depicts less emphasis on soft skills. The present programme emphasizes on the soft skills along with Computer Skills to meet the changing needs in commerce education.
- iv. The curriculum of professional courses were also taken into account to enable the students to prepare for these courses and enhance their employability

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (as per departmental consensus)**Strengths**

1. The mentorship and participation of Experienced Faculty members from Department of Business Administration
2. Updated Course contents for the Integrated M. Com Programme, at par with various professional courses.
3. Well-equipped classrooms with ICT, E-Coaching Facility and overall noble infrastructure.
4. Personalized attention and care due to limited intake of students.
5. Project based, immersion oriented classroom teaching pedagogy.

Weaknesses

1. The department is still at an infant stage
2. Lack of human resources in academic, administrative and technical fields.
3. Lack of industry academia interface.
4. Locational disadvantage
5. Yet to have national exposure

Opportunities

1. After completion of the programme, the students will be able to pursue various professional courses successfully.
2. Students availing the benefits of the programme can join in academics as faculty members.
3. Students will have a sound idea and opportunity to conduct independently research in the field of commerce, industry and trade.
4. Our students will have an edge over their counterparts from other institutions having the weapon of utmost updated knowledge and expertise in their area of specialization.
5. The Department has an opportunity to earn standing by preventing the problem of brain drain from the state of Assam.

Challenges

1. Courses and Programmes offered by private players in the market.
2. Chances of lateral exit for undergraduates.
3. Uncertain employment scenario for graduates.
4. Non-availability of experienced faculties.
5. Certain Job-oriented short term programmes flooding the market.

52. Future plans of the department.

1. Blend of commerce and Management orientation.
2. Application orientation of the business concepts and tools will be provided by faculties of Business Administration to the commerce students to make them industry ready.



ACADEMIC CELLS AND CENTRES

B. Academic Cells and Centres

1. Name of the Centre : Centre for Assamese Studies

2. Date of establishment : 7 June, 2011

3. Funding agencies : NIL

4. Faculty / Staff

Sl. No.	Name	Designation
1	Prof Ranjit Kumar Dev Goswami	Srimanta Sankardeva Chair Professor & Head
2	Dr Juri Dutta	Research Associate
3	Ashish Dutta	UDC
4	Hiranya Kumar Das	MTS

5. Infrastructure

Facility	Number
Class room	-
Laboratory	-
Faculty room/Scholar room	02
Office room	1
Other (specify)	

6. Programmes offered: None (ref to Sl. No. 9)

7. CBCT / Elective / Optional courses offered by the Centre and departments involved

Course code	Course title	Total credit	Departments involved
SD 100	Introduction to Sattriya Dance	3	Open to all
CA 302	Introduction to Translation Studies	3	Open to all
CA 203	Communicative Assamese	3	Open to all

8. Participation of the Centre/Cell in the courses offered by other departments

Course code	Course title	Total credit	Offering department
AS 101	MIL Assamese (Poetry: Early and Modern)	3	English & Foreign Language
AS102 (Continuing)	MIL Assamese (Drama: Early and Modern)	3	English & Foreign Language
AS 201	MIL Assamese (Short Story and Novel)	2	English & Foreign Language
AS 202 (Continuing)	MIL Assamese (Essay and Structure of Assamese)	2	English & Foreign Language

9. Participation of the Centre / Cell in the distance mode of education**A. Programmes offered**

(MA) Assamese by the Centre for Open and Distant Learning (CODL)

B. Self-learning materials developed for the courses

Course code	Course title	Total credit
MAS 202	Assamese Drama (Unit II)	4
MAS 204	Literary Theory and Literary Criticism I (Unit II)	4

10. Trainings / workshops / short term courses / conferences conducted

Sl. No.	Theme / title	Duration	Place	No. of participants (approx.)
1	National Seminar on <i>Modern Assamese Society, Literature and Bezbaroa</i> (150 th birth anniversary of Sahityarathi Lakshminath Bezbaroa)	3-4 April, 2014	Council Hall Tezpur University	50
2	Workshop on <i>Reading Manuscripts of Early Assam</i>	24-27 July, 2013	Council Hall Tezpur University	30
3	<i>Orientation Programme for Translators</i> in collab. with National Translation Mission (CIIL) and Dept of Cultural Studies, Tezpur University	27-29 Dec 2012	Dept. of Cultural Studies, Tezpur University	40
4	Bezbaroa Volume Post Paper-Submission Workshop	2-3 April, 2013	Academic Building I Tezpur University	20

11. Faculty / staff participated in training / workshop / short term courses / conferences

Name of the staff	Programme	Duration	Place
Juri Dutta (RA)	National Workshop on <i>Cultural Mapping in Assam: Language, Performance & Society</i>	14-17 February, 2012	Dept of Cultural Studies, TU
Juri Dutta	Workshop on <i>Women's Studies as an Academic Discipline</i>	6-7 March, 2012	CWS, TU
Juri Dutta	<i>Orientation Programme for Translators</i> in collab. with National Translation Mission (CIIL) and Dept of Cultural Studies, Tezpur University	27-29 Dec, 2012	Dept of Cultural Studies & Centre for Assamese Studies, TU
Juri Dutta	Workshop on <i>Reading Manuscripts of Early Assam</i>	24-27 July, 2013	Centre for Assamese Studies, TU
Juri Dutta	National Seminar on <i>Modern Assamese Society, Literature and Bezbaroa</i> on (150 th birth anniversary of Sahityarathi Lakshminath Bezbaroa)	3-4 April, 2014	Centre for Assamese Studies, TU
Juri Dutta	<i>User Awareness Programme on Access to E- Resources</i>	19-20 May, 2014	Central Library, TU
Juri Dutta	<i>Gendered Teaching: Pedagogical Practices</i>	16 March, 2015	CWS, TU

12. Papers presented in conferences

Dr Juri Dutta (Research Associate)

Sl. No.	Title of the paper	Conference	Duration	Place
1	'Janajatiya Upanyasat Paribartita Sthiti: Yeshe Dorjee Thongchir Mouna Ounth	North-East India as Diverse Tribal Language Belt, Institute of North-	2-4 February 2011	Gauhati University

	Mukhar Hriday aru Sava Kota Manuhar ek Bishlesan'	East Studies, Gauhati Univ.		
2	'Knowledge-Text Translating into Assamese: Problems and Prospects'	Knowledge-Text Translation Scenario: Assamese", National Translation Mission, CIIL, GOI	1-2 March 2011	Tezpur University
3	'Xeï Je Puratan Akashkhan' (A self-written short story in Assamese)	Contemporary Women's Writing from the North East: Issues of Gender and Nationalism (Author's Session), TU in collab. with Sahitya Academi, New Delhi	20-21 April, 2011	Tezpur University
4	Problematizing the Identity of Insider/Outsider: A Reading of Rasna Baruah's <i>Xeuji Patar Kahini</i> and Yeshe Dorjee Thongchi's <i>Mouna Outh Mukhar Hriday</i>	Issues of Ethnic Identity and Ethnic Conflict in North East India, TU in collab. with ICSSR, New Delhi	29-30 January, 2013	Tezpur University
5	Phato Bihu of Dhakuakhana: An Attempt to Rediscover and Re-establish Identity	People's Art of North-East India: History, Identity and Emerging Realities, IGRMS, Bhopal in collab. with Dept of Anthropology, Rajiv Gandhi Univ.	5-7 March, 2014.	Rajiv Gandhi University, Arunachal Pradesh
6	Translation of Literature and National Integration: A Re-appraisal	Comparative Indian Literature and National Integration, Dept of Modern Indian Languages, Gauhati Univ.	8-9 August, 2014.	Gauhati University
7	Lakshminath Bezbaroar Natakāt Swadeshprema aru Jatiya Cetana: Patabhumi aru Pratiphalan	Lakshminath Bezbaroa: A Pioneer of Modern Assamese Literature and Architect of Assamese Nationalism	19-20 September, 2014	Nowgong Girls' College, Nagaon

Dr Suranjan Barua (Research Associate)

Sl No	Title of the paper	Conference	Duration	Place
1	'“Tell-tale stories”: Cross-cultural perspectives on the role of the ancillary narrative'	34th All India Conference of Linguists	1-3 Nov, 2012	NEHU, Shillong
2	'Knowing is/ as being: Gendered identity and perception in institutional space – A linguistic study'	XIV National Conference of Indian Association for Women's Studies (IAWS), Guwahati	4-7 Feb, 2014	(IAWS), Guwahati
3	'The vexed and vexing language: Situating moral dilemmas in a cultural plane'	International Seminar on Philosophy of Culture, Indian Council of Philosophical Research (ICPR), New Delhi	31Mar-01Apr, 2014	Dept.of Cultural Studies, Tezpur University

13. External funded projects: NIL

14. Publications

Journals	: 11
Conference proceedings	: 1
Books	: 2
Chapters in Books	: 4
(Details in Vol-II B)	

15. Participation in outreach programmes

The research associate of the Centre (Dr. Juri Dutta) has been associated with the translation of the Bishnu Prasad Rabha Volume from Assamese into English (a project undertaken by Tezpur University).

16. Memorandum of understanding / collaborations / consultancy (if any): None**17. Faculty and staff participated as experts / resource person:** None**18. Achievements (Inventions / patents / significant contributions / awards etc.):** None**19. Strengths / weaknesses / challenges****Strength**

The Centre for Assamese has evolved a strong base for research into multiple aspects of Assamese language and literature. The Centre was able to complete all three projects initially envisaged well within time due to strict adherence to a 'research ethics' (the research Associates submit a weekly report to the Pro Vice Chancellor on their work accomplished during the week). Given the academic activities of the Centre in the last few months, the Centre is according importance to the following aspects:

- Comparative Study of Assamese literature in relation to literature of other Indian languages,
- Studies on the linguistic evolution of Assamese Language and other surrounding languages where North east is seen as a linguistic area,
- Translation, compilation and publication of all work of importance and relevance to the Assamese culture and literature,
- Digitizing some of the manuscripts, classics of Assamese Literature including uploading of Vaishnavite Texts and starting a digital archive for preservation purpose.

Further, with an initiative like the Bezbaroa volume, the Centre is making a foray into interdisciplinary as well as collaborative research with members of the academic fraternity in Tezpur University. More such projects can be worked out with the sister departments like English and Foreign Languages, Cultural Studies, Sociology and Mass Communication and Journalism in the future.

Weakness

Lack of permanent staff, infrastructure and facilities in the Centre for initiating regular courses and research programmes.

Challenges

To expand and sustain the varied activities of research and teaching at the Centre and to ensure that the research work conducted at the Centre reaches a larger and more inclusive audience.

B. Academic Cells and Centres

- 1. Name of the Centre** : Centre for Disaster Management
- 2. Date of establishment** : 12 September, 1997
- 3. Funding agencies** : Ministry of Home Affairs, Government of India
(Up-to XI plan)

4. Faculty / Staff

Sl. No.	Name	Designation
1.	Dipak Nath	Assistant Professor
2.	Bhriugu Das	UDC (Part time)

5. Infrastructure

Facility	Number
Class room	Nil
Laboratory	Nil
Faculty room	1
Office room	1
Other (specify)	None

6. Programmes offered: NA**7. CBCT / Elective / Optional courses offered by the Centre and departments involved**

Course code	Course title	Total credit	Departments involved
DM 301	Disaster Management	3	All departments (PG)
DM 101	Disaster Management	3	All departments (UG)

8. Participation of the Centre/Cell in the courses offered by other departments

Course code	Course title	Total credit	Offering department
HIM 302	Risk and Disaster Management in Healthcare	3	Electronics and Communication Engineering

9. Participation of the Centre / Cell in the distance mode of education**A. Programmes offered**

Post Graduate Diploma in Environmental Management (*Jointly conducting with Department of Environmental Science*)

B. Self-learning materials developed for the courses

Course code	Course title	Total credit
DEM 104	Fundamentals of Disaster Management	4
DEM 203	Planning for Risk and Crisis Management	4

10. Trainings / workshops / short term courses / conferences conducted

Sl. No.	Theme / title	Date/Duration	Place	No. of participants
1.	Earthquake and its Damage Mitigation Approaches	18 February, 2013	Sankardev Sishu Vidya Niketon, Tezpur, Assam	94
2.	Earthquake and its Damage Mitigation Approaches	21 February, 2013	Sacred Heart High School, Tezpur, Assam	65

3.	Earthquake and its Damage Mitigation Approaches	26 February, 2013	LOKD Girls' High School, Tezpur, Assam	93
4.	Earthquake and its Damage Mitigation Approaches	28 February, 2013	Don Bosco High School, Tezpur, Assam	80
5.	Earthquake and its Damage Mitigation Approaches	12 March, 2013	Tezpur Govt. Boys' H. S. School, Tezpur, Assam	49
6.	Earthquake and its Damage Mitigation Approaches	13 March, 2013	Tezpur Collegiate High School, Tezpur, Assam	76
7.	Earthquake and its Damage Mitigation Approaches	14 March, 2013	Tezpur Govt. Girls' H. S. School, Tezpur, Assam	59
8.	Earthquake and its Damage Mitigation Approaches	18 March, 2013	Tezpur Chariali Girls' High School, Tezpur, Assam	81
9.	Earthquake and its Damage Mitigation Approaches	21 March, 2013	Tezpur Bengali Boys' H. S. School, Tezpur, Assam	27
10.	Earthquake and its Damage Mitigation Approaches	25 March, 2013	St. Paul English High School, Rangapara, Sonitpur, Assam	76
11.	Flood and Earthquake Damage Mitigation	30 January, 2014	Dekargaon High School, Dekargaon Sonitpur, Assam	76
12.	Flood and Earthquake Damage Mitigation	01 February, 2014	Napaam High School, Napaam, Sonitpur, Assam	33
13.	Flood and Earthquake Damage Mitigation	03 February, 2014	Holeswar H. S. School, Holeswar, Sonitpur, Assam	108
14.	Flood and Earthquake Damage Mitigation	06 February, 2014	Kendriya Vidyalaya, Tezpur University, Sonitpur, Assam	40
15.	Flood and Earthquake Damage Mitigation	08 February, 2014	Becheria H. S. School, Becheria, Sonitpur, Assam	94
16.	Flood and Earthquake Damage Mitigation	10 February, 2014	Bishnu Jyoti High School, Baliphukuri, Sonitpur, Assam	67
17.	Flood and Earthquake Damage Mitigation	20 February, 2014	Sonitpur Sishu Vikash Academy, Tezpur, Sonitpur, Assam	80
18.	Flood and Earthquake Damage Mitigation	6 March, 2014	Jugal High School, Bihoguri, Sonitpur, Assam	50
19.	Flood and Earthquake Damage Mitigation	8 March, 2014	Panchmile Girls' High School, Assam	94
20.	Flood and Earthquake Damage Mitigation	13 March, 2014	Agnigarh Vidyapith, Chandmari, Sonitpur, Assam	67

11. Faculty / staff participated in training / workshop / short term courses / conferences

Name of the faculty / staff	Programme	Duration	Place
Dipak Nath	Brainstorming Workshop on Preparation of Activity Guide 2012 – 13 for National Children's Science Congress	02 – 04 May, 2012	Organised by NCSTE, DST, GoI at Tezpur University
Dipak Nath	Workshop on Holoistic Scientific Approach using Integrated Geophysical Studies for the Management of Natural Hazards	22 – 23 April, 2013	NESAC, Umiam, Meghalaya

12. Papers presented in conferences

(Presented by the Co-author of the faculty of CDM)

Sl. No.	Title of the paper	Conference	Duration	Place
1.	Women Education and Gender Inequality with Special Reference to the Educational Status of Tea Garden Women of South Assam	ICSSR sponsored National Seminar on Women Education and Socio-Economic Transformation in North-East India with special reference to Southern Assam	21-22 January, 2013	Rabindrasadan Girls' College, Karimganj, Assam
2.	Educational Status of the Tea Garden Labours of Barak Valley	International Seminar on Human Development and the Marginalised Sections in Northeast India: Issues, Challenges and way Forward	18 – 20 March, 2013	Assam University, Silchar, Assam

13. External funded projects: NIL**14. Publications**

Journals	: 02
Conference proceedings	: NIL
Books	: NIL
Chapters in Books	: NIL

(Detail in Vol-II B)

15. Participation in outreach programmes

Faculty of the Centre has been participating in the outreach programmes of the Tezpur University, as per schedule of the University.

Faculty member of the Centre is a member of Flood Relief Committee of the Tezpur University and organized relief camps during flood disasters in Assam.

16. Memorandum of understanding / collaborations / consultancy (if any): Nil**17. Faculty and staff participated as experts / resource person**

Dr. Dipak Nath, Assistant Professor

1. Resource person in the workshop on NGO Coordination in Disaster Management organized by DDMA, Sonitpur, Assam in the Office of the Deputy Commissioner, Sonitpur, Assam, 28 July, 2011.
2. Resource person in the training programme on Disaster Management for security personnel organised by Disaster Mitigation Society, Guwahati at Tezpur University, 20 - 26 September, 2012.

3. Expert in the selection committee of State Coordinating Officers under the programme M 8.7 Shillong Earthquake Scenario Building & Public awareness campaign in NE India, sponsored by NDMA at NEIST, Jorhat,, 26 November, 2013.
4. Expert in the meeting on permanent protection of erosion at Jia Bharali, in the Office of the Deputy Commissioner, Sonitpur, Assam, 8 May, 2014.
5. Resource person in the faculty development programme under NEQIP project at H. R. H. the Prince of Wales Institute of Engineering and Technology, Jorhat, Assam, 14 February, 2015. Delivered a talk on Introduction to Disaster Management.

18. Achievements (Inventions / patents / significant contributions / awards etc.): NIL

19. Strengths / weaknesses / challenges

Strength

1. The Centre was able to conduct different activities due to available physical and human resources of the University.
2. Faculty of the Centre has been providing academic supports to different organizations in particular Water Resources Department, Assam for Flood and Erosion Risk Assessment and Damage Mitigation programmes in the area, surrounding the Tezpur University.

Weakness

1. Lack of required man-power, infrastructure and facilities in the Centre are the major hindrances for starting regular courses and initiating research programmes.

Challenges

1. To start Post Graduate Courses and contribute in the field of Disaster Risk Mitigation of the State.

B. Academic Cells and Centres

1. Name of the Centre / Cell: Centre for Endangered Languages

2. Date of establishment: Received UGC's approval vide letter No. F. No 15-6/2012(CU) dated 3rd April 2014. *(Yet to be formally established, though the 66th BOM held on 29.06.2012 has approved the proposal of establishing CFEL at TU)*

3. Funding agencies: UGC

4. Faculty / Staff: Yet to be recruited

5. Infrastructure

6. Programmes offered *(with effect Autumn Semester 2015)*

Name of the programme	PG / UG	Duration
MA in Linguistics and Language Endangerment	PG (Modular Course)	1 st year - PG Diploma 2 nd year - MA
Certificate Course in Language Documentation and Revitalization	UG	6 months

7. CBCT / Elective / Optional courses offered by the Centre and departments involved

Course code	Course title	Total credit	Departments involved
LE 223	Language, Society and Endangerment	3	Linguistics stream of Department of EFL
LE 224	Language Policy, Education and Revitalization	3	Linguistics stream of Department of EFL

8. Participation of the Centre/Cell in the courses offered by other departments: NA

9. Participation of the Centre / Cell in the distance mode of education: None

A. Programmes offered

B. Self-learning materials developed for the courses

10. Trainings / workshops / short term courses / conferences conducted: Nil

11. Faculty / staff participated in training / workshop / short term courses / conferences
NA

12. Papers presented in conferences : NA

13. External funded projects : NA

14. Publications : Nil

15. Participation in outreach programmes : Nil

16. Memorandum of understanding / collaborations / consultancy (if any) : Nil

17. Faculty and staff participated as experts / resource person : Nil

18. Achievements (Inventions / patents / significant contributions / awards etc.): Nil

19. Strengths / weaknesses / challenges: NA

B. Academic Cells and Centres

1. Name of the Centre / Cell : Centre for Inclusive Development (CID)
The CID comprises of the following cells:

1. Equal Opportunity Cell (EO Cell)
2. SC/ST Cell
3. Training & Placement Cell (T & P Cell)

2. Date of establishment : 2014 (as an umbrella of the 3 cells)

3. Funding agencies : Tezpur University

4. Faculty / Staff

Sl. No.	Name	Designation
1.	Dr. Rajeev K. Doley	Director
2.	Ms. Deena Davy	Training & Placement Officer, T&P Cell
3.	Mr. Lankeswar Boro	Assistant Registrar, SC/ST Cell
4.	Ms. Nadarani Choudhuri	Education Officer, EOC
5.	Ms. Bhanu P. Gogoi	Asst. Education Officer, EOC
6.	Madhurjya Baruah	Lower Division Assistant

5. Infrastructure

Facility	Number
Class room	02
Laboratory	01 (ICT)
Faculty room (Dir., TPO, AR-SCT, AO)	03
Office room	03
Other (specify)	PPT/Conference Room - 01

6. Programmes offered

Name of the programme	PG / UG	Duration
Certificate in Technical Writing	UG	6 months
P.G. Diploma in Child Rights & Governance*	PG	1 year

* w. e. f Autumn Semester of 2016

7. CBCT/Elective/Optional courses offered by the Centre and departments involved: NA

8. Participation of the Centre/Cell in the courses offered by other departments : NA

9. Participation of the Centre / Cell in the distance mode of education : NA

10. A: Trainings/workshops/short term courses/conferences conducted (EO Cell)

Year: April 2011

Sl. No.	Theme / title	Duration	Place	No. of participants
1	Personality Development and Training on CV writing in collab. with T & P Cell	July-Aug, 2011	Engineering Gallery Tezpur University	80
2	Seminar on Inclusive Social Development	7-8 Sept, 2011	Conference Hall, Tezpur University	107

3	CSIR/UGC NET Coaching Programme, 2011	12 Oct- 12 Nov12, 2011	Tezpur University	245
4	Workshop on <i>Human Rights Awareness</i> with NSS Student, TU	12 Nov, 2011	Conference Hall, Tezpur University	104
5	Workshop on <i>Many Faces of Gender Inequality</i> – in Collab. with CSCWS	18-19 Nov,2011	Conference Hall, (MCJ) Tezpur University	50
6	Communicative English Enhancement Programme	Cont. till the end semester.	Computer Lab.(EOC) Tezpur University	20

Year: 2012

Sl. No.	Theme / title	Duration	Place	No. of participants
1.	Workshop on <i>Research Methodology in Social Science</i>	1-7 Mar, 2012	Tezpur University	30
2.	<i>We Care Film Fest</i> , on disability issues	17-18 Feb, 2012	Conference Hall, Tezpur University	40
3.	National Seminar on <i>Education, Society and Human Rights</i>	12-13 Mar, 2012	KBR Auditorium, Tezpur University	110
4.	Lecture and Film screening on <i>Labour welfare in Assam</i>	28 April, 2012	Tezpur University	50
5.	Personality Development and Training on CV writing	22 Aug, 2012	Gallery (CSE), Tezpur University	60
6.	Workshop on <i>Action Research Methodology in Social Science</i>	1-7 Oct, 2012	Guest House Conference Hall, Tezpur University	28
7.	CSIR-UGC NET Coaching programme	16 Oct, 2012- 17 Mar, 2013	Tezpur University	207
8.	Communicative English Programme for Army Wives	Nov 2012-Feb 2013	Computer Lab. (EOC) Tezpur University	30

Year: 2013

Sl. No.	Theme / title	Duration	Place	No. of participants
1.	Workshop on <i>Research Methods in Social Science</i> in Collab with OKDISCD, Guwahati	28 Jan-3 Feb, 2013	Conference Hall University Guest House Tezpur University	28
2.	<i>Capacity Building Programme</i> for Faculty in Social Science	14-27 Mar,2013	Conference Hall University Guest House	31
3.	Basic Training Programme on Human Rights	23 Mar, 2013	Council Hall Tezpur University	87
4.	Video –conferencing with American	5 May, 2013	Conference Hall (CSE) Tezpur University	21

	Consulate, Kolkata Talk by: Dr. Lora Sakmaan			
5	Workshop on <i>Orientation programme for the Research Scholars and Faculty Members belonging to Scheduled Tribe and Other Marginalized Groups.</i>	23-27, Sept. 2013	SoE Gallery Tezpur University	30
6.	7th Biennial Conference on <i>Global Change, Ecosystems, Sustainability</i> Org. by the Indian Society for Ecological Economics (INSEE) in assoc. with OKD Inst. of Social Change and Development (OKDISCD), Guwahati.	5-7 Dec., 2013	Conference Hall University Guest House	45
7.	CSIR /UGC NET Coaching Programme, 2012	Oct-Dec-2013	Tezpur University	207

Year: 2014

Sl. No.	Theme / title	Duration	Place	No. of participants
1.	Seminar on Aging in North East India.	22-23 Mar, 2014	Conference Hall University Guest House	28
2.	UGC approved Career Oriented Six (6) Month Certificate course in Technical Writing	Autumn Semester	Computer Lab (EOC) Tezpur University	13

Year: March, 2015

Sl. No.	Theme / title	Duration	Place	No. of participants
1.	State level Workshop for <i>Capacity Building on Research Methodology Related to Language Teaching - Learning</i>	30 March – 2 April, 2015	Conference Hall University Guest House Tezpur University	30

10. B: Trainings/workshops/short term courses/conferences conducted (T&P Cell)

Sl. No.	Theme / title	Duration	Place	No. of participants
1	“Pre-Placement Grooming” Sessions organized for B. Tech Students	12-14 September, 2011	SOE Gallery Tezpur University	42
2	Career Guidance programme for B. Tech. (Mech. Engg.) students about seafaring career in the maritime industry.	16 April, 2012	SOE Gallery Tezpur University	28

3	Initial training programe on SSB for all the final year students	27 August, 2012	CSE Seminar Hall Tezpur University	69
4	Pre-Placement grooming session for SOE students.	31 Aug - 1 Sep 2012	SOE Gallery Tezpur University	84
5	Training programme on SSB for all the final year students	8 Sept 2012	SOE Gallery Tezpur University	37
6	Microsoft Tech Day conducted training on Windows 8	31 January 2013	SOE Gallery Tezpur University	112
7	Talk by Ranjeev Lahkar- GM, Microsoft, "Skills for Corporate Jobs Today"	27 Feb 2013	SOE Gallery Tezpur University	68
8	Pre-placement Grooming for MBA & B. Tech students by Uday Chava	1 April, 2013	Dept. of BA., Tezpur University	42
9	Pre- placement Grooming session for SOE Students	12-14 September 2013	SOE Gallery Tezpur University	45
10	Organised an interaction session with Mahindra HR Team regarding the career prospects at Mahindra & Process of recruitment.	23 Oct 2013	SOE Gallery Tezpur University	85
11	Invited talk by Rakesh Rajan, Head – HR, Vodafone – North East - Talent Evaluation in changing environment	17 Sept 2014	Dept. of BA., Tezpur University	52
12	A capsule pre-placement grooming programme.	6 Sept 14	SOE Gallery Tezpur University	100
13	Workshop on leadership quality development for the members of the University Students' Council	10-11October, 2014	MCJ Seminar Hall Tezpur University	25
14	Training on Communicative Skills for SOE students	10-11October, 2014	MCJ Seminar Hall Tezpur University	42
15	Personality Development & Communicative Skills improvement Training for Placement	25-26 October 2014	Dept. of BA., Tezpur University	44
16	Pre-placement grooming programme for all final year students on resume writing & interview techniques	27-28 Feb 2015.	Dept.of MCJ, Tezpur University	54

11. Faculty/staff participated in training/workshop/short term courses/conferences

Name of the faculty/staff	Programme	Duration	Place
Rajeev K. Doley	Orientation Programme on "Management of Diversity and Equity in Universities &	2-6 Nov, 2015	National University of Edu. Planning & Admin., New Delhi

	Colleges”.		
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12. Papers presented in conferences

Author: Dr. Rajeev Kumar Doley, Director, CID

Sl. No.	Title of the paper (author/presenter)	Conference	Duration	Place
1.	“Aspects of multilingual usage in the Mising language”	National Workshop on “Mising Language and Literature” by <i>Sahitya Academy, New Delhi & Mising Sahitya Sabha</i>	14-16 July, 2011	Sarat Chandra Sinha Smrity Bhawan, Jorhat
2.	“Interlingual Code-switching As Verbal Tools : A Case Study of the Misings of the Brahmaputra Valley”	The Asian Conference on Language Learning <i>International Academic Forum, Japan</i>	26.-28 April, 2012	Osaka, Japan
3.	“Students, politics, power and age”	“Student Politics in India with Special Reference to Assam and North East India”. (UGC), <i>Bahona College, Jorhat</i>	14-15 September, 2012	Bahona College, Jorhat
4.	“The Mising Vocabulary: Heritage and Inheritance”	National Workshop on “Cultural Mapping in Assam: Language, Performance & Society” Tezpur University and CIIL, Mysore	14-17 February, 2012	Tezpur University
5.	“The possibility of an inclusive library information system in Assam”	National conference on “Contemporary issues and challenges in library and information management.” <i>Central Library, Tezpur University</i>	14-15 February, 2014	Central Library, Tezpur University
6.	“The aged in the Mising Society : Liability or Opportunity”	National Seminar on “Aging in India with special reference to North-east India” <i>Equal Opportunity Cell, Chandraprabha Saikiani Centre for Women Studies, TU.</i>	22-23 March, 2014	Tezpur University
7.	“Cultural syncretism and heritage continuity: conflicting ways of life. A case study of the Misings”.	International Seminar on “Philosophy of Culture” <i>Tezpur University, UGC-SAP and ICPR.</i>	31 Mar-1 April, 2014	Tezpur University

13. External funded projects (EO Cell): Completed

Sl. No.	Project title	PI/Supervisor	Sponsoring agency	Amount (₹in lakh)	Duration
1.	Gender and Mental Health in Assam: A Study on	PI: Dr. Kedilezo Kikhi Supervisor: Ms. Nandarani	ICMR	12.5	Mar,2014 - Mar,2015

	Magnitude, Cause and Impact of mental Illness on Women	Choudhury			
2.	Developing Child Friendly Model Panchaats in three Gram Panchyats of Balipara Block of Sonitpur District in Assam.	<i>Supervisor:</i> Ms. Nandarani Choudhury	UNICEF	16.5	May-Dec, 2014
Total				29.0	

14. Publications

Journals	: 08
Conference proceedings	: 01
Books	: 01
Chapters in Books	: 02
Other (specify)	: None

(Details in Vol II B)

15. Participation in outreach programmes**Equal Opportunity Cell**

1. 5 Medical Camps on Maternal and Child Health in Ahatguri, Bhulakjaroni (Napaam G.P.), Singitolli A, Singitolli B (Singitolli G.P.) Chamdhora A and Bihiagaon (Chamdhora G.P.) during August to September, 2014.
2. Orientation Programme on *Innovative Teaching* in Eight Primary Schools of Napaam, Singitolli and Chamdhora Gaon Panchayat during October- December 2014.
3. Vocational training programme on *Refrigerators and Mobile Repairing* for the unemployment youth of neighborhood villages, September 2014.
4. Vocational training programme on *Computer Hardwire Repairing and Printer Repairing* for the unemployment youths of neighborhood villages, November 2014.

Training & Placement Cell

1. The Training & Placement Cell in association with various corporate sectors organizes talks by eminent personalities and corporate executives on career related current topics such as different skills required by the corporate and government sectors. Also organises various competitions like Quiz, designing, day celebrations etc.
2. If agreeable to the recruiting organizations, the Cell arranges pool drives for students from other colleges and universities in the region.
3. The cell facilitates graduate level recruitment drives for the nearby colleges and act as interface between the college and the corporate sector.
4. The Training & Placement Cell takes initiative to conduct different All India Level Exams for jobs as well as for higher studies in the university viz. GATE, IBPS, BARC etc.

16. Memorandum of understanding / collaborations / consultancy (if any)

1. Memorandum of Understanding (MoU) with the National Institute of Rural Development & Panchayati Raj, North-East Centre, Guwahati in outreach programme including adoption of villages (10th August, 2014).

17. Faculty and staff participated as experts / resource person

1. Dr. Rajeev K. Doley, as a resource person delivered a lecture on “Enhancing Employability of College Students”, Tezpur College, Tezpur, 12 September, 2011.

2. Dr. Rajeev K. Doley was invited as an expert to the International Conclave on “The Origin and Divergence of the Mongoloid Languages” organized by the Mising Sahitya Sabha (Mising Agom Kebang), Jonai, 17 January, 2012.
3. Dr. Rajeev K. Doley participated as the Chair of a session on “The need of research knowledge for students eyeing politics as their career” in the UGC sponsored National Conference on “Student Politics in India with Special Reference to Assam and North East India” held at Bahana College, Jorhat, 14 – 15 September, 2012.

18. Achievements

Training & Placement

1. 100% placement for MBA students in 2011-2012.
2. Above 90% placement for MBA students in 2013-2014.

19. Strengths / weaknesses / challenges

Strengths

1. State-of-the-art infrastructure for conducting training programmes and campus recruitment events.
2. Excellent network system to conduct online exams/video conferencing.
3. TU Extension Centre at Guwahati for placement events.

Weaknesses

1. Limited space within the T & P Cell.
2. Limited support staff.
3. Limited fund for organizing training events.

Challenges

1. Remote location that recruiters hesitate to visit.
2. Poor air travel connectivity.
3. Increase in placement opportunities for the students

B. Academic Cells and Centres

- 1. Name of the Centre / Cell:** Centre for Innovation Incubation and Entrepreneurship (CIIE)
(Merged with Entrepreneurship Development Cell (EDC) existed from August, 2010 to March, 2012)

- 2. Date of establishment:** September, 2013

- 3. Funding agencies:** EDC was funded by AICTE and CIIE is funded by the university

4. Faculty / Staff

Sl. No.	Name	Designation
1.	Prof. Manabendra Bhuyan	Head
2.	Dr. Uddhab Kr. Bharali	Visiting Director
3.	Mr Uttam Roy	UDC

5. Infrastructure

Facility	Number
Class room	01
Laboratory	01
Faculty room	01
Office room	01
Other (specify)	01
Facilities of central workshop	

- 6. Programmes offered:** Nil

- 7. CBCT / Elective / Optional courses offered by the Centre and departments involved:** Nil

8. Participation of the Centre/Cell in the courses offered by other departments

Course code	Course title	Total credit	Offering department
ME481	Project-I	12	Mechanical Engineering
ME482	Project-II	24	Mechanical Engineering
EN539	Project(part-I)	08	Energy
EN540	Project(part-I)	16	Energy

9. Participation of the Centre / Cell in the distance mode of education

- A. Programmes offered** : Nil

- B. Self-learning materials developed for the courses** : Nil

10. Trainings / workshops / short term courses / conferences conducted

Sl. No.	Theme / title	Duration	Place	No. of participants
1	Sensitization Programme on Entrepreneurship Development	6-7 Aug, 2010	Conference Room, University Guest House	32
2	Training on Computerised Reservation System	26-27 Feb, 2011	EDC Class Room, TU	9
3	Training on Setting up Small Scale Industrial Unit in Collab. with District Industries and Commerce Center	8-11 March 2011	EDC Class Room, TU	11

4	Training on Regulation and Operation of Airlines Reservation System	25-26 Feb, 2012	EDC Class Room, TU	12
5	Employment Generation Programme	1-3 March, 2012	EDC Class Room, TU	41
6	Skill Development Programme	25-27 Apr, 2012	EDC Class Room, TU	36
7	Skill Development Training on Fabrication of Aluminium Building Material	21-23 March, 2015	Central Workshop, TU	13
8	Brain Storming Session for MSME projects	21 March, 2015	Conference Room SoE, TU	10

11. Faculty / staff participated in training / workshop / short term courses / conferences

Name of the faculty / staff	Programme	Duration	Place
Dr. Kshirod Kr. Das, Faculty	Brain Storming Session for MSME projects	21March,2015	Conference Room, SoE, TU
Dr. Uddhab Kr. Bharali, Visiting Director	Brain Storming Session for MSME projects	21March,2015	Conference Room, SoE, TU
Prof. Manabendra Bhuyan, Faculty	Brain Storming Session for MSME projects	21 March,2015	Conference Room, SoE, TU
Dr. M.K. Hazarika, Faculty	Brain Storming Session for MSME projects	21, March, 2015	Conference Room, SoE, TU
Dr. Partha Pratim Dutta, Faculty	Brain Storming Session for MSME projects	21 March, 2015	Conference Room, SoE, TU
Mr. Paban Kr Laskar, Incubatee	Brain Storming Session for MSME projects	21 March, 2015	Conference Room, SoE, TU
Mr. Champak Talukdar, Incubatee	Brain Storming Session for MSME projects	21 March, 2015	Conference Room, SoE, TU
Mr. Rajesh Barman, Project student	Brain Storming Session for MSME projects	21 March, 2015	Conference Room, SoE, TU
Imdadul Hoque Mondal, Incubatee	Brain Storming Session for MSME projects	21March, 2015	Conference Room, SoE,TU
Mr. Madhurjya Dutta, Incubatee	Brain Storming Session for MSME projects	21 March, 2015	Conference Room, SoE, TU
Prof. Manabendra Bhuyan Dr. Uddhab Kr. Bharali	Meeting and Interaction of Members of National Innovation Clubs (FOIN)	10 March, 2015	Rashtrapati Bhavan Cultural Centre, President's Estate, N Delhi

12. Papers presented in conferences: Nil

13. External funded projects

Sl. No.	Project title	Sponsoring agency	Amount (₹ in lakh)	Duration
1.	Design of a dehulling/ deseeding machine for all types of oil bearing seeds	Micro, Small & Medium Enterprise, Govt. of India (MSME)	5.20	2 years
2.	Design, development and testing of a green fuel powered energy efficient vehicle	MSME	6.25	2 years
3.	Production of natural	MSME	6.25	2 years

	Antioxidant Enriched Sandesh using Single Screw Extruder			
4.	Development and fabrication of small capacity paddy parboiling system with process completion indicator ahead of onset of husk splitting	MSME	5.50	2 years
5.	Portable peripheral nerve testing instrument	MSME	5.90	2 years
6.	Polluted Air Purification Machine	MSME	2.50	2 years
7.	Low cost and user friendly portable Lift for home – for elderly person and patient	MSME	6.25	2 years
Total			₹ 37.85	

14. Publications

Journals	: NIL
Conference proceedings	: NIL
Books	: NIL
Chapters in Books	: NIL
Other (specify)	: NIL

15. Participation in outreach programmes

Local unemployed youths (13 Nos) of a nearby village were trained on - Skill Development on Fabrication of Aluminium Building Material during 21-23 March, 2015

16. Memorandum of understanding / collaborations / consultancy (if any): NIL**17. Faculty and staff participated as experts / resource person**

Sl. No.	Name & Designation: event
Prof. M. Bhuyan, Head, CIIE	
1.	As an expert in conference on – Workshop on Capacity Building for Mitigation of Climate Change using Precision Agriculture, Dept. of Energy, TU, 20-22 March, 2015
2.	As expert in conference on Workshop Innovative Prospects in Food Processing: <i>Integration of Engineering and Biological Sciences</i> conducted by Dept. of Food Engg. & Technology, 27-28 March, 2015
Dr. Uddhab Kr. Bharali, Visiting Director	
3.	Popular talk on World Environment Day-2014 in the premise of Jorhat Science Centre and Planetarium, Jorhat, 5 June, 2014.
4.	Attended—Seminar at NERIST "Appropriate Technology for Rural Development", 25- 29 August, 2014 as a Special Guest.
5.	One of the five selected speaker for TED X at ISM –DHANBAD, 8 October, 2014.
6.	Motivational talk on Research & Innovation at NIT Arunachal Pradesh, 22 Nov, 2014.
7.	Delivered “VV Rao Memorial lecture”, Gauhati University, 10 Dec., 2014.
8.	Invitation to ALCHIRINGA –IIT Guwahati as panellist, 29 January, 2015.
9.	Invitation to BIOFEST –Assam Medical college for talk on innovation, 8 Feb, 2015.
10.	Guest of honor on Popular talk on technology at National Science Day organized by The Institution of Engineers-India and Assam Science &Tech. University, 28 Feb, 2015.
11.	Guest of honour on Popular talk on appropriate technology at National Science Day on at Institute of Advance Study in Science & Technology, 30 February, 2015.

12.	As resource person at National Science day SCERT- Govt of Assam, 29 March 2015.
13.	At Assam Staff College delivering view on “Vision Assam-2015”, 4 April, 2015.
14.	As a Chief Guest delivered popular talk on “Technology for common people”, Jorhat Planetarium, 24 May, 2015.
15.	As chief guest at POWET –Jorhat –on motivation and technology awareness programme on 12 September, 2015.

18.1 Achievements of Entrepreneurship development and Innovative programmes

- Mr. Chandra Kr. Shill, a participant of one of the training programmes, has started his business at Dolabari, Tezpur in the field of retailing of computer peripherals in 2011. Now he is running his business successfully. Mr. Shill broke even long back.
- Mr. Jadumani Das from Karbi Anglong district of Assam started his own commercial venture related to sales and repairing of mobile handsets in 2012 after attending one of the training programmes organized by EDC, TU. Presently, his venture is a profit making unit.
- After the completion of one of the programmes, one participant Mr. Sanjay Dey started a soap manufacturing unit at Dolabari, Tezpur in 2012.
- Mr. Biswajit Nath, P.O. Jahamari, Dist- Sonitpur has designed a bicycle with double wheel chain system which runs faster than a normal bicycle. CIIE, TU take the initiative to encourage the person for his innovation and motivated him for his future work. The bicycle has also been taken by the TU. It is preserved in the “TUNNOVATION” display hall, Tezpur University.

18.2 Awards

*Dr. Uddhab Chandra Bharali, Visiting Director

S. N.	Name of Award and year	Awarded by
1.	Shristi Samman –Master Innovator Award 2007	NIF-India
2.	President’s National Grassroots Innovation Award 2009	President of India
3.	“Prayukty-Ratna” Sanman & title, 2010	Axom Sahitya Sabha
4.	Meritorious Invention Award 2011	NRDC, GOI
6.	“Shilpa Ratna”, 2012.	Govt of Assam
7.	Winner of NASA “Create the Future Design Contest” international engineering design contest for invention of Benchtop Pomegranate De-seeder in the top ten most Popular Invention Award, 2012.	NASA Tech Briefs
8.	Edition Award and title 2013	Asom Jatio Vidyalaya
9.	Barpeta Award –2013	AASU, Barpeta
10.	Qualifier –World tech Award—2012 –For invention of Mini Tea plant.	
11.	Winner of NASA “Create the Future Design Contest” international engineering design contest for invention of - Detention Chair for mentally challenged Person”	NASA Tech Briefs
12.	Chief minister best awardee.---2013	Govt of Assam
13.	"Rashtriya Ekta Samman-2013".	
14.	NICT perfect -10 award	ABP media group and The Telegraph
15.	Qualified for engineering design contest called “Create the Future Design Contest” in 2014, for innovation— Feeding device for person without hand.	NASA Tech Briefs Media
16.	Morom Land news award --2015	

*Mr Bharali joined * Mr. Bharali joined Tezpur University in September, 2013.

19. Strengths / weaknesses / challenges

Strengths

Availability of quality infrastructure, in-house resource persons and motivated students

Weaknesses

Remoteness of the university

Challenges

Following are major challenges-

1. To motivate passed out students to take up entrepreneurship
2. To transform academic projects to useful innovations
3. To transform innovations developed for commercialization

B. Academic Cells and Centres

1. Name of the Centre / Cell : Centre for Open & Distance Learning (CODL)

2. Year of establishment : 2011

3. Funding agencies : Tezpur University

4. Faculty / Staff

Sl. No.	Name	Designation
1.	Dr. Sanjib Katakya	Director
2.	Dr. Bhim Prasad Sarmah	Jt. Director (Part-time)
3.	Dr. Santanu Sarma	Jt. Director (part-time)
4.	Dr. Sanjib Sahoo	Assistant Professor
5.	Kalyan Konch	Stenographer
6.	Ranjit Borah	MTS

5. Infrastructure

Facility	Number
Class room	01
Laboratory	Nil
Faculty room	01
Office room	01
Other (specify)	Nil

6. Programmes offered

Sl. No.	Name of the programme	PG / UG	Duration
1	M. Sc. in Mathematics	PG	4 semesters
2	MA in Mass Communication	PG	4 semesters
3	PG Diploma in Human Resource Management	PG Diploma	2 semesters
4	PG Diploma in Retail Management	PG Diploma	2 semesters
5	PG Diploma in Investment Management	PG Diploma	2 semesters
6	PG Diploma in Environmental Management	PG Diploma	2 semesters
7	PG Dip. in Renewable Energy & Energy Management	PG Diploma	2 semesters
8	PG Diploma in Governance & Development	PG Diploma	2 semesters
9	PG Diploma in Functional Hindi	PG Diploma	2 semesters
10	PG Diploma in System Management	PG Diploma	2 semesters

7. CBCT / Elective / Optional courses offered by the Centre and departments involved
NA**8. Participation of the Centre/Cell in the courses offered by other departments****9. Participation of the Centre / Cell in the distance mode of education****A. Programmes offered**

As stated in Sl. No. 6

B. Self-learning materials developed for the courses

For the programmes as in Sl. No. 6 with assistance from the coordinating departments and external experts

10. Trainings / workshops / short term courses / conferences conducted: Nil

11. Faculty / staff participated in training / workshop / short term courses / conferences
Nil

12. Papers presented in conferences : Nil

13. External funded projects : Nil

14. Publications : Nil

15. Participation in outreach programmes : Nil

16. Memorandum of understanding / collaborations / consultancy (if any): Nil

17. Faculty and staff participated as experts / resource person

Director, CODL participated as resource person in a TV programme in DD NE, 13 May, 2014.

18. Achievements (Inventions / patents / significant contributions / awards etc.): Nil

19. Strengths / weaknesses / challenges

Strengths

1. Employment oriented and need based programmes.
2. Quality learning material.
3. Electronic and prompt communication with learners.
4. Special contact sessions at the headquarter (Tezpur University) on the offered courses once per semester apart from regular learner support.
5. Extending University laboratory and library facilities to learners at par with regular students.
6. Affordable fee structure.

Weaknesses

1. Lack of adequate number of programmes to cover a wider section of learners.
2. Lack of adequate number (permanent) of academic faculty members and administrative staff.
3. Lack of a self-sufficient computer laboratory to be operated round the clock covering student support, teaching and administrative works and others.

Challenges

1. Maintaining continuity and standards of learning materials, contact programmes and learner support systems.
2. Expanding programmes and coverage of learners beyond the locality of the study centres.
3. ICT enabling of the distance learning programmes, online web-based programmes.

B. Academic Cells and Centres

1. Name of the Centre / Cell : Chandraprabha Saikiani Centre for Women's Studies

2. Date of establishment : 21st October, 2009

3. Funding agencies : University Grants Commission (UGC)

4. Faculty / Staff

Sl. No.	Name	Designation
1	Dr. Madhurima Goswami	Associate Professor
2	Dr. Mousumi Mahanta	Research Associate
3	Mr. Pranjal Kr. Sarma	Data Entry Operator

5. Infrastructure

Facility	Number
Class room	1
Laboratory	Nil
Faculty room	2
Office room	1
Other (specify)	Nil

6. Programmes offered

Name of the programme	PG / UG	Duration
PG Diploma in Women Studies	PG	1 year

7. CBCT / Elective / Optional courses offered by the Centre and departments involved

Course code	Course title	Total credit	Departments involved
WS-101	Introduction to Women's Studies	3	Open elective (CBCT)
WS-102	Introduction to Women's Studies - Project	3	Mass Communication & Journalism, Cultural Studies and Business Administration

8. Participation of the Centre/Cell in the courses offered by other departments

Course code	Course title	Total credit	Offering department
CP524	Ethnicity and gender	3	Cultural Studies

9. Trainings / workshops / short term courses / conferences conducted

Sl. No.	Theme / title	Duration	Place	No. of participants
1	Counselling program "Know your Self" focusing on the health, hygiene and education of adolescent girls.	18 March, 2011 (One day)	Tezpur University	35
2	Workshop on 'Many faces of Gender Inequality'.	18 – 19 Nov, 2011 (two days)	Tezpur University	50
3	Workshop on 'Women Studies as an academic discipline'.	6 – 7 March, 2012 (two days)	Tezpur University	40
4	Workshop on 'Nature of Women	23 March, 2012	Tezpur	30

	Studies in India'.	(Two days)	University	
5	Workshop on 'Capacity Building Programme for Women in Higher Education'.	3 – 7 Sept, 2012 (Five days)	Tezpur University	35
6	Training for school students during celebration of birth and death anniversary of Chandraprabha Saikiani	16 March, 2013 (One day)	Tezpur University	45
7	2-day seminar on Aging in North East India in collab. with Equal Opportunity Cell, Tezpur University.	1-2 Oct, 2013 (two days)	Tezpur University	45
8	Workshop on 'Gender Sensitization and Awareness' on the eve of death and birth anniversary of Chandraprabha Saikiani	15 March 2014 (One day)	St. Joseph convent HS School	40
9	National Seminar on Aging in India with special Reference to North East India.	22 – 23 March, 2014 (two days)	Tezpur University	45
10	An interaction cum awareness program on "Security for Women at Workplace".	26 May, 2014 (One day)	Tezpur University	40
11	Workshop on 'Capacity Building Programme on Women Leadership and Participation'	27 – 28 Nov, 2014 (two days)	Tezpur University	35
12	A training programme on "Gendered Teaching: Pedagogical practices" on the occasion of birth and death anniversary of Chandraprabha Saikiani.	16 Mar, 2015 (One day)	Tezpur University	45

10. Invited Lectures

Sl. No.	Theme / title	Duration	Place	No. of participants
1	A talk by Prof Maitrayee Chaudhuri, Professor, Centre for the Study of Social Systems, JNU, New Delhi on 'Gender and the different role associated with it'.	15 Sept, 2011,	Tezpur Univesity	66
2	A talk by Prof Anuradha Dutta on "Life and Times of Chandraprabha Saikiani" was organised on the occasion of birth and death anniversary of Padmashri Chandraprabha Saikiani.	16 March, 2012	Tezpur University	100
3	Invited Talk on 'Women and Law' by Justice Iqbal Ahmed Ansari	16 March , 2012 (One day)	Tezpur University	180

4	Geraldine Forbes from State University, New York, Oswego, and a Fulbright Nehru Scholar delivered a talk on "Nature of Women Studies in India".	23 March 2012 (one day)	Tezpur University	55
5	Dr. Anungla Aier, an eminent anthropologist and an expert in Women's Studies delivered a lecture on "Customary law practices and the issue of Gender Displacement".	31 August 2012	Tezpur University	40
6	Jarjum Ete, Secretary of National Alliances of Women and former Chairperson, APSCW delivered her lecture on 'Question of Tribal Women'	31 October 2012.	Tezpur University	45
7	Dr. M. Dolores Herrero, Professor of the Depto. Fliogia Inglesa y Alemana, University de Zaragoza, Spain and Dr Annethe Gomis, University of Saragossa, Spain delivered lecture on 'Status of Women in Spain' and 'Feminism'.	5 February 2013.	Tezpur University	55
8	A series of lectures delivered by Prof Aparna Mahanta on 'The creation of Patriarchy', 'Women's Studies as an academic discipline',	1-6 April 2013. (6 days)	Tezpur University	87

11. Faculty / staff participated in training / workshop / short term courses / conferences

Name of the faculty / staff	Programme	Duration	Place
Mousumi Mahanta	International conference on Meaning, Culture and Values	05 – 07 Jan, 2012	JNU, New Delhi
Madhurima Goswami	International conference on Globalization to Glocalizaion.	4 – 6 Oct, 2013	Bodoland University, Kokrajhar.
Mousumi Mahanta	International conference on Globalization to Glocalizaion.	4 – 6 Oct, 2013	Bodoland University, Kokrajhar.
Madhurima Goswami	Performative Arts in Assam, Sangeet Natak Akademi.	6 – 9 Nov, 2013	Guwahati
Madhurima Goswami	International conference of Women's World Congress	17-22 Aug, 2014	Hyderabad University
Mousumi Mahanta	International conference of Women's World Congress	17 – 22 Aug, 2014	Hyderabad University
Madhurima Goswami	International Seminar on Cultural Studies: Global and Local Perspectives	7-9 Feb, 2015	Tezpur University

12. Papers presented in conferences

Sl. No.	Title of the paper	Conference	Duration	Place
Dr. Madhurima Goswami				
1.	World view of the Bodos.	International conference on Globalization to Glocalizaion.	4 – 6 Oct, 2013	Bodoland University, Kokrajhar.
2.	Hegemonic Masculinity (a rethinking of the concept in arts)	Performative Arts in Assam, Sangeet Natak Akademi.	6 – 9 November, 2013	Guwahati
3.	Women of the North East India: Status and challenges.	International conference on Women's World Conference.	17 – 22 August, 2014	HU, Hyderabad.
Dr. Mousumi Mahanta				
4.	Life Shaped by Myth, Life shaped by Stereotypes; A case study of Zakir Hussain.	International conference on Meaning, Culture and Values.	05 – 07 Jan, 2012	JNU, New Delhi
5.	Globalization and its impact on Women's Mental Health.	International conference on Globalization to Glocalizaion.	4– 6 October, 2013	Bodoland University, Kokrajhar.
6.	Political Violence: It's impact on Mental Health.	International conference Of Women's World Congress	17– 22 August, 2014	HU, Hyderabad.
Dr. Madhurima Goswami & Dr. Mousumi Mahanta				
7.	Interpreting Women in Cultural Studies.	International Seminar on Cultural Studies: Global and Local Perspectives	7-9 February, 2015	TU

13. Publications

Journals	: 07
Conference proceedings	: 04
Books	: 04 (Monographs)
Chapters in Books	: 05

(Details in Vol II B)

14. Participation in outreach programmes

- 1) Counselling program "Know Your Self" on 18th March, 2011 focusing on the health, hygiene and education of adolescent girls.
- 2) A debate competition titled "Gender equality is a myth" was held by CSCWS in collaboration with department of Hindi, 25th October, 2011. The University students, research scholars participated, in the competition.
- 3) Presentation by students was done on different themes like 'Women and Violence', 'Women and Health' and 'Women and Media' on eve of International Women's Day 8th March 2013.
- 4) A community extension programme was arranged in Naapam area of Tezpur on 'Women's Right' in collaboration with Adhar (NGO) on 8th March 2013. The programme focused on the issues related to women and legal rights.

- 5) Community extension programme on “Violence against Women” was organized in collaboration with THE EAST, NGO, Tezpur University, 13 March, 2013.
- 6) On 8th March 2014, International Women's Day was celebrated by the Centre. Prof. Sucheta Sen Chaudhury, from Jharkhand University was present as the Guest of Honor. The members of Pragati Women's Association made their contribution in this programme by delivering gender sensitive speech and songs. Prof Charulata Mahanta, Dean R & D, Tezpur University, spoke on women and education scenario in India. Students presented drama and skits on different issues and themes as ‘women and sexual violence’, ‘women and domestic violence’ and women and women's right’ ‘women and education’ etc.
- 7) 1-day Workshop was organized on Gender Sensitization in St. Joseph Convent Higher Secondary School, Tezpur on the eve of death and birth anniversary of Chandraprabha Saikiani (15th March 2014). 40 students of St. Joseph Convent Higher Secondary School actively participated in the workshop. CBCT students of Women's Studies presented skits on different issues related to women, especially on gender crime and domestic violence. A short life history of Chandraprabha Saikiani was also delivered in the workshop.
- 8) A preliminary survey was conducted in Amolapam on 3rd May, 2014 by the members of CSCWS.
- 9) An awareness-cum-interaction programme was organized by the Centre on “Security for Women at Workplace” on 26th May, 2014. The awareness program was organized in the wake of Dr. Sarita Toshniwal murder incident in the Assam Medical College Hospital.
- 10) CSCWS organized an awareness and sensitization program on 12th August, 2014 in M.V. School, Napam among the womenfolk of Amolapam. The working of women's organisation, specific women's issues like property rights, domestic violence and domestic labour was discussed.
- 11) Chandraprabha Saikiani Centre for Women's Studies in collaboration with National Service Scheme, Tezpur University organised a 2-day training programme on ‘Capacity Building Programme on Women Leadership and Participation’ sponsored by Rajiv Gandhi Institute of Youth Development, Tamilnadu during 27-28 Nov, 2014. 40 women from different Gaon Panchayats of Tezpur participated in the programme. Women leaders like President of Tezpur Zila Parishad, Jeuti Mahila Samiti and some other members of Tezpur Zila Parishad were included among the participants.
- 12) Students and Research Scholars of Tezpur University presented various programmes on the topic ‘Creative Expression’ on various issues of women on International Women's day on 4th March, 2015 at Tezpur University. Prof N.S. Islam, Dept of Chemical Sciences gave the inaugural speech. The gathering was comprised of members of faculty, students, staff of Tezpur University and members of Pragati Women Association.

15. Faculty and staff participated as experts / resource person

- 1) M. Mahanta acted as a resource person in an orientation programme on Women and Mental Health at Equal Opportunity Cell, Tezpur University, 18 September, 2013.
- 2) M. Goswami acted as a resource person for “Men engaged Global symposium”, Guwahati, 15 – 16 October, 2014.
- 3) M. Goswami acted as a resource person in the workshop on ‘Capacity Building programme for Women and Governance’, Gauhati University, 15 November, 2014.

- 4) M. Goswami acted as a resource person for ICSSR Workshop on Research Methodology in the Department of Mass communication and Journalism, Tezpur University, 18 November, 2014.
- 5) M. Mahanta acted as a resource person "Capacity building programme on Women leadership and participation" organized in collaboration with Rajiv Gandhi National Institute of Youth Development (RGNIYD), Tezpur University, 27 November, 2014.
- 6) M. Goswami acted as a Coordinator & resource person in "Capacity building programme on Women leadership and participation" in collaboration with RGNIYD at Tezpur University, 27-28, November, 2014.
- 7) M. Mahanta acted as a resource person in the training programme on "Gendered Teaching: Pedagogical practices" on Construction of gender, 16 March, 2015.
- 8) M. Mahanta delivered an invited talk on "Women Activism" in the symposium organized by Dhansiri Trust Board at Golaghat, 12 April, 2015.
- 9) M. Goswami delivered talk on "Women in Journalism" organized by Dhansiri Trust Board, Golaghat, 12 April, 2015.

16. Strengths / weaknesses / challenges

Strengths

1. Administrative support
2. Collaborative efforts with the other departments
3. Trained faculty with research experience etc.

Weaknesses

1. Inadequate infrastructure (class rooms)
2. Temporariness Teaching Staff

Challenges

1. To make it a nodal centre in the north-East.
2. Resource generation.
3. Manpower strengthening.
4. Field action activity.
5. Women related documentation and setting up

B. Academic Cells and Centres**1. Name of the Centre / Cell** : Computer Centre**2. Date of establishment** : 1997**3. Funding agencies** : None**4. Faculty / Staff**

Sl. No.	Name	Designation
1	Prof. Nityananda Sarma	Head Incharge
2	Mr. Dhiraj Kumar Sarma	Computer Engineer
3	Mr. Dipak Chandra Choudhury	Jr. Programmer
4	Mr. Pritom Rajkhowa	Jr. Programmer (on EoL)
5	Mr. Abhijit Baishya	Jr. Programmer (Contractual)
6	Mr. Abani Kumar Das	Sr. Tech. Assistant
7	Mr. Manjul Baruah	Tech. Assistant
8	Mr. Niranjan Deka	Tech. Assistant
9	Mr. Apurba Sarmah	Tech. Assistant
10	Mr. Prandeep Borah	Tech. Assistant
11	Mr. Sofiullah Khan	MTS
12	Mr. Ripunjoy Baruah	MTS
13	Mr. Islam Ali	EPABX Technician (Contractual)
14	Mr. Ratan Debnath	EPABX Technician (Contractual)

5. Infrastructure

Facility	Number
Training Room	01 (SoE)
Laboratory	03 (SoE=2, AC2=1)
Faculty/Staff room	07
Office room	01
Server Room	01
Video Conference Room	01 (SoE)
Service/Maintenance Room	01
EPABX Room	01
Store Rooms	02

6. Programmes offered

Name of the programme	PG / UG	Duration
DOEACC 'O' Level Diploma	UG	1 Year
DOEACC 'A' Level Diploma	UG	1 Year

7. CBCT / Elective / Optional courses offered by the Centre and departments involved: Nil**8. Participation of the Centre/Cell in the courses offered by other departments**

Course code	Course title	Total credit	Offering department
CO221	DSOOP Lab	02	CSE
MI-310	Lab	02	Mathematical Sciences
MS-424	Lab	02	Mathematical Sciences
	Computer based Practical	02	Chemical Sciences

9. Participation of the Centre / Cell in the distance mode of education**A. Programmes offered:**

PG Diploma in System Management

B. Self-learning materials developed for the courses

Course code	Course title	Total credit
DSM101	System and Network Administration	4

10. Trainings / workshops / short term courses / conferences conducted

Sl. No.	Theme / title	Duration	Place	No. of participants
1.	Training Programme for Faculty Members on Microsoft Office Products : 'SAKSHAM'	10 Days 19-28 Apr, 2013	Tezpur University	20
2.	A booting Camp for students, Microsoft's Windows Appathon	1 Day 15 Feb, 2014	Tezpur University	50
3.	Workshop for students and working professionals- National Network Security Championship	15 Days 6-20 June, 2014	Tezpur University	40
4.	Winter Internship for students and working professionals- CCNA Security Training Program	13 days 18-30 Dec, 2014	Tezpur University	35

11. Faculty / staff participated in training / workshop / short term courses / conferences

Name of the faculty / staff	Programme	Duration	Place
Nityananda Sarma	3 rd NKN Annual Workshop: 'NKN: The E4 (Encourage, Empower, Enable, Enrich) NGN'	3 Days 15-17 Dec, 2014	IIT, Guwahati
Dhiraj Kumar Sarma	3 rd NKN Annual Workshop: 'NKN: The E4 (Encourage, Empower, Enable, Enrich) NGN'	3 Days 15-17 Dec, 2014	IIT, Guwahati

12. Papers presented in conferences : NIL**13. External funded projects** : NIL**14. Participation in outreach programmes** : None**15. Memorandum of understanding / collaborations / consultancy (if any)**

- Software Development "Computerized Character & Antecedent Verification System" <http://sbverification.assam.gov.in/login.php> for Assam Police, Guwahati, Assam, 2013-2015.
- Website Development & Training for North Eastern Regional Institute of Water and Land Management(NERIWALM), Tezpur, Assam <http://www.neriwalm.gov.in/> 2014-15.
- Software Development "Admission Form Processing" for Lokopriyo Gopinath Bordoloi Regional Institute of Mental Health, Tezpur, Assam, 2013-15.

16. Faculty and staff participated as experts / resource person

- Prof. N. Sarma, Head, i/c & Mr. D. K. Sarma, Computer Engineer for expert network consultancy at NERIST, Arunachal Pradesh – 2013.

- (ii) Dhiraj Kumar Sarma, Computer Engineer as an expert for network, email and webserver configuration for NIT, Meghalaya in 2013.
- (iii) Dhiraj Kumar Sarma, Computer Engineer as an expert in Selection Committee for selection of System Administrator for NIT, Meghalaya in 2014.

17. Achievements (Inventions / patents / significant contributions / awards etc.): None

18. Strengths / weaknesses / challenges

Strengths

- 1. Most of the dedicated services run on Open Source Software Platform and managed by own staff
- 2. Most of the software in production are developed in-house

Weaknesses

- 1. In-sufficient Central Storage and Backup Facility.
- 2. In-sufficient switching capacity for exponential growth of high speed data.
- 3. In-adequate Wi-Fi infrastructure to multimedia content rich applications.
- 4. Dearth of skilled technical staff members to support round the clock support.

Challenges

- 1. Implementation of single Sign-On system for all applications.
- 2. Implementation of Central Storage, and Backup solution and Server upgradation.
- 3. Implementation of high capacity (10 Gig) switching networks.
- 4. Improvisation of Campus Wi-Fi facility.

B. Academic Cells and Centres

1. **Name:** Tezpur University Intellectual Property Rights (TUIPR) Cell

2. **Date of establishment:** 23rd July, 2009 (Tezpur University Patent Cell)
10th August, 2009 (TUIPR Cell)

3. **External Funding (Amount and agency, if any)**

Agency	Amount (in lakhs)
MHRD, Govt. of India	₹ 132.00
Patent Information Centre (PIC), Assam Science Technology and Environment Council (ASTEC)	₹ 0.50
Total	₹ 132.5

4. **Staff position**

Designation	Sanctioned	Filled	Actual
IPR Chair Professor	1	1	1
Coordinator, TUIPR Cell	1	1	1
Research Officer	2	2	2
Stenographer cum Documentation Assistant	1	0	0
Multi-Tasking Staff	1	1	1
Project Fellow	2	2	2

Current staff

Name	Designation
Prof. Prabuddha Ganguli	MHRD IPR Chair Professor
Dr. Pritam Deb (Department of Physics, Tezpur University)	Coordinator, TUIPR Cell
Dr. Suchibrata Goswami	Research Officer
Juri Borbora Saikia	Research Officer

5. **Infrastructural facilities**

The Cell is currently accommodated in three rooms in the administrative building. The facilities available in the Cell include five computers, three printers, one laptop, one Xerox cum scanner cum printer and one multimedia projector.

Facility	Number
Faculty room	02
Office room	01
Other (specify)	N/A

7. **CBCT / Elective / Optional courses offered by the Centre and departments involved**

Course code	Course title	Total credit	Departments involved
IP201	Introductory Intellectual Property Rights	3	Open electives under CBCT
IP401	Intellectual Property Rights	3	Open electives under CBCT
IP701	Internalizing Intellectual Property Rights	4	Open electives under CBCT

10. **Trainings / workshops / short term courses / conferences conducted**

Sl. No.	Theme / title	Duration	Place	No. of participants
1.	GI camp on "Effective use of	17 Mar	North Lakhimpur	117

	Geographical Indication status for community benefit of stakeholders of Muga Silk”	2015	College, Lakhimpur	
2.	Regional Workshop on “Protection of Traditional Product Names in the North East Region using Geographical indications Its importance in enhancing business and promoting Regional Art and Craft”	09 Jan 2015	NEDFi House, Guwahati	92
3.	Workshop on “Patent Search and Analysis”	06 Sept 2014	Tezpur University	57
4.	Two Day Regional Training programme on “Traditional Knowledge, Socio economic development and Intellectual Property Rights”	10-11 Feb 2014	Tezpur University	52
5.	Symposium on “Contemporary Physics & the Role of Intellectual Property Rights 2013”	07 Feb 2014	Tezpur University	46
6.	Outreach Programme on “Role of IPR on innovation in Electronics, Communication, Computing and Devices” in collab with IEI, Silchar	27- 28 Nov, 2013	Silchar	86
7.	Outreach programme on “Role of IPR in Enhancing Creativity, Innovation and Commercialisation”	09 May, 2013	Dibrugarh University, Dibrugarh, Assam	71
8.	Colloquium on World Intellectual Property Day, 2013	26 April, 2013	Tezpur University	98
9.	Outreach programme on IPR awareness in collaboration with Equal Opportunity Cell, Tripura University with prime focus on Role of intellectual property rights in promotion of innovation & research	21 March, 2013	Tripura University, Agartala, Tripura	75
10.	2-day regional workshop on IPR awareness in Electronics & Information Technology	18-19 Mar 2013	IEI, Guwahati, Assam	54
11.	Training for the Grassroot Women Innovators of North- East India	31 January 2013	Tezpur University	49
12.	Symposium on “Recent Research Developments and Role of IPR”.	21 Dec 2012	Tezpur University	46
13.	A special training programme on Copyright & Trademark for Police Officials / Judicial Officers and Prosecutors from the North East of India	8-9 Nov, 2012	NEDFi House, Guwahati, Assam	51
14.	Outreach programme on IPR awareness was conducted at NIT Agartala on with emphasis on institutional IPR policies and transformation of R&D activities into commercial realities	10 August, 2012	NIT, Agartala	100

15.	IPR Workshop for Young Researchers on “Capturing Innovations for IPR Protection in Tezpur University”	08 August, 2012	Tezpur University Tezpur, Assam	35
16.	Workshop on Intellectual Property Rights	23 March 2012	NERIST, Arunachal Pradesh	74
17.	Colloquium on “Managing Intellectual Property Rights (IPR) and Excellence in Academic Institutions”	27 Feb 2012	Tezpur University	100
18.	Workshop on Intellectual Property Rights	03 June 2011	Tezpur University	50
19.	Colloquium on “World Intellectual Property Rights Day” celebration	25-26 Apr, 2011	Tezpur University	130

11. Faculty / staff participated in training / workshop / short term courses / conferences

Name of the faculty / staff	Programme	Duration	Place
Dr. P. Deb	IPR workshop at National Law University, Delhi	14-15 Feb, 2015	New Delhi
Mr. Arshad Hussain, JRF, TUIPR Cell	Enrolled for a Post Graduate Diploma in Intellectual Property Rights Law from National Law School of India University (NLSIU), Bangalore	1 Year (2014)	Distance Mode
Dr. Suchibrata Goswami & Ms. Juri Borbora Saikia (Research Officers)	Training on IPR as interns with the leading IPR attorney firm S. Majumdar & Company in Kolkata	3- weeks (20 June to 10 July, 2013)	Kolkata
Dr. Suchibrata Goswami & Ms. Juri Borbora Saikia (Research Officers)	Enrolled for a Post Graduate Diploma in Intellectual Property Rights Law from National Law School of India University (NLSIU), Bangalore	1 Year (2013)	Distance Mode

12. Papers presented in conferences

Sl. No.	Title of the paper	Conference	Duration	Place	Presented By
1.	Geographical Indications as a tool for facilitating preservation of traditional products & processes with concurrent economic benefits.....A case study of Muga in Assam	National seminar on Tourism & Handicrafts: Challenges and Opportunities for Local Economic Development	22-23 Dec, 2014	Dept. of Business Administration, Tezpur University	Mr. Arshad Hussain

2.	“Protection and Valuation of IPR in Nanotechnology”: Issues and challenges” and Commercialisation of R&D Results in nanotechnology, Issues and challenges”	National Workshop on Strengthening R&D Management Capacity of Researchers and Research Managers in the Area of Nanotechnology'	25-26 Feb, 2014	Tehran, Islamic Republic of Iran	Prof. P.Ganguli
3	“Healthcare and IPR....Opportunities in India	Healthcare in India Opportunities at a crossroads, WIPO-WTO IP Teachers Colloquium, Geneva, Switzerland.	12 June, 2014	Brussels, Belgium,	Prof. P.Ganguli
4	“Seeding Ideas to Harvesting Marketables..... Creating Institutional Ecosystems”	Second Annual Congress of Technology Transfer Offices Network in	15 Nov, 2013	Mexico, Monterrey	Prof. P.Ganguli
5	“Indigenous Knowledge System in Bio-resource Management and IPR Issues”	National Seminar on Biochemical and Biotechnological Research Approaches for Bio-resource management of North East India Towards Sustainable Rural Development	11-12 Nov, 2011	B N College of Agriculture, Biswanath Chariali, Sonitpur, Assam	Dr. S.Goswami

14. Publications

Books

1. Ganguli, P. and Jabade, S. “Nanotechnology Intellectual Property Rights....Research, Design, and Commercialization”, CRC Press (Taylor and Francis Group), USA, 2012.

Chapters in Books

1. Prabuddha Ganguli “Manual on Critical Issues in Nanotechnology R&D Management: An Asia Pacific Perspective”, Asia-Pacific Centre for Technology Transfer (APCTT, 2013). Chapter Titles “Best Practices on Commercialisation of R&D Results” and “Protection and Valuation of Nanotechnologies”.

Popular Articles

1. P. Ganguli, “Nanobiotechnology in India. Have we traversed beyond a myth?”, BioSpectrum, pages 56-57 (Oct 2013).
2. P. Ganguli, Ethical paths to innovations, Research Global, Issue 29, page 11 (Oct. 2011).
3. P. Ganguli, A Molecule Called India, The Financial Express, October. 4, 2012; <http://www.financialexpress.com/news/column-a-molecule-called-india/1011457>

15. Participation in outreach programmes

The Cell is committed to create IPR awareness in and around NE which is known for its rich biodiversity and culture. With a motto to bring even untouched areas into the IPR awareness, various outreach programmes are undertaken at different places of the region. Emphasis was put more on tribal dominated areas which have surfaced as inexhaustible storehouse of valuable traditional knowledge and traditional cultural expression awaiting protection from unauthorized exploitation.

Within the state of Assam, four outreach activities have been conducted for special target group till now. The target groups included the grassroot level innovators including the rural craftsman and weavers. The initiatives started with one day Training Programme for the Grassroot Women Innovators of North-East India on 31 January, 2013 at Tezpur; 2-day regional training programme on “Traditional Knowledge, Socio economic development and Intellectual Property Rights” on 10 & 11 February, 2014 at Tezpur; “Protection of Traditional Product Names in the North East Region using Geographical indications Its importance in enhancing business and promoting Regional Art and Craft” on 09 January, 2015 at Guwahati and one day GI camp on “Effective use of Geographical Indication status for community benefit of stakeholders of Muga Silk” on 17 March, 2015 at Lakhimpur.

Three programmes were also conducted in on IPR awareness in recent past covering various academic institutes of repute at Agartala and Itanagar. Two such programs were conducted for technical institutions in Assam situated in Guwahati and Silchar during March and November, 2013 respectively. Special target groups like Police and judicial Officers were also called for a two day training programme covering various aspects of Copyright and Trademark during 8-9 November, 2012 in Guwahati.

16. Memorandum of understanding / collaborations / consultancy (if any)

- One MoU has been signed between TUIPR Cell and renowned IPR attorney firm, Anjan Sen and Associates, Kolkata for offering assistance in the process of obtaining IPRs from the research outputs generated through the R & D activities at Tezpur University.
- An IPR Cell was set up recently at Dibrugarh University. Dibrugarh University joined hand with TUIPR Cell in one of its recent extension activities on IPR at Lakimpur. Besides this, the TUIPR Cell will also assist the institution in teaching and research. An Audit Course on IPR is planned to start very shortly at the Post Graduate level in Dibrugarh University that will facilitated by technical collaboration from the TUIPR Cell.

17. Faculty and staff participated as experts / resource person

Sl. No.	Name of the faculty/staff	Programme	Duration	Place
1.	Dr. P. Deb & Dr. S. Goswami	1-day workshop on Intellectual Property	11 April, 2015	University of Science & Technology, Meghalaya (USTM)
2.	Prof. P. Ganguli, Dr. Suchibrata Goswami Ms. Juri Borbora Saikia	GI camp on “Effective use of Geographical Indication status for community benefit of stakeholders of Muga Silk”	17 March, 2015	North Lakhimpur College, Lakhimpur

3.	Prof. P. Ganguli	Regional Workshop on “Protection of Traditional Product Names in the NE Region using Geographical indications ... Its importance in enhancing business and promoting Regional Art and Craft”	09 Jan, 2015	NEDFi House, Guwahati, Assam
4.	Prof. P. Ganguli	Workshop on “Patent Search and Analysis”	06 Sept, 2014	Tezpur University
5	Dr. Suchibrata Goswami,	IPR awareness workshop	08 Mar, 2014	NIELIT, Itanagar
6.	Prof. P. Ganguli	2- Day Regional Training programme on “Traditional Knowledge, Socio-economic development and Intellectual Property Rights”	10-11 Feb, 2014	Tezpur University
7.	Prof. P. Ganguli & Dr. P. Deb	Outreach programme at Dibrugarh on “Role of IPR in Enhancing Creativity, Innovation and Commercialisation”	09 May, 2013	Dibrugarh University, Dibrugarh, Assam
8.	Prof. P. Ganguli Dr. P. Deb Dr. Suchibrata Goswami Ms. Juri Borbora Saikia,	Outreach Programme on “Role of IPR on innovation in Electronics, Communication, Computing and Devices” in collaboration with IEI, Silchar	27 – 28 Nov, 2013	Silchar
9.	Prof. P. Ganguli & Dr. P. Deb,	Outreach programme on IPR awareness in collaboration with Equal Opportunity Cell, Tripura University with prime focus on Role of intellectual property rights in promotion of innovation & research	21 Mar, 2013	Tripura University, Agartala, Tripura
10.	Prof. P. Ganguli	2-day regional workshop on IPR awareness in Electronics & Information Technology	18 – 19 Mar, 2013	IEI, Guwahati, Assam
11.	Ms. Juri Borbora Saikia	1-day workshop cum training programme on “IPR sensitization in North East Region” at CSIR-North East Institute of Science and Technology (CSIR-NEIST), Jorhat, Assam.	13 February, 2013	Jorhat, Assam.
12	Prof. P. Ganguli	Training for the Grassroot Women Innovators of North- East India	31 January, 2013	Training for the Grassroot Women Innovators of

				North- East India
13.	Prof. P. Ganguli	A special training programme on Copyright & Trademark for Police Officials / Judicial Officers and Prosecutors from the North East of India	8-9 Nov, 2012	NEDFi House, Guwahati, Assam
14.	Prof. P. Ganguli	Outreach programme on IPR awareness was conducted at NIT Agartala on with emphasis on institutional IPR policies and transformation of R&D activities into commercial realities	10 August, 2012	NIT, Agartala
15.	Prof. P. Ganguli	Outreach programme on IPR awareness was conducted at NIT Agartala on with emphasis on institutional IPR policies and transformation of R&D activities into commercial realities	10 August, 2012	NIT, Agartala
16.	Prof. P. Ganguli	IPR Workshop for Young Researchers on “Capturing Innovations for IPR Protection in Tezpur University”	08 August, 2012	Tezpur University
17.	Prof. P. Ganguli	Colloquium on “Managing Intellectual Property Rights (IPR) and Excellence in Academic Institutions”	27 February, 2012	Tezpur University

Invited talks

1. P. Deb., Innovation the way forward for India in 21st century: Problems and Challenges in IPR, 1- day workshop on Intellectual Property, Department of Business Administration USTM, Meghalaya, 11 April, 2011.
2. S. Goswami, Introduction to Intellectual property Rights, 1- day workshop on Intellectual Property, Department of Business Administration USTM, Meghalaya, 11 April, 2011.
3. S. Goswami, Copyright Protection in India and Abroad, 1-day workshop on Intellectual Property Rights awareness workshop, National Institute of Electronics and Information Technology (NIELIT), Itanagar, 8 March, 2015.
4. P. Ganguli, Invited faculty in an extended lecture programme on diverse topics in IPR in the College of Law, University of South Africa (UNISA), Pretoria, 1-11 March, 2015.
5. P. Ganguli & P. Deb, Invited faculty in the IV Annual IP Teaching Workshop, National Law University, Delhi, India, in collaboration with CASRIP, University of Washington School of Law, 14-15 February, 2015.
6. P. Ganguli, Chaired two sessions on “Licensing and Technology Transfer” and “National IPR Policy” at the 7th Global Intellectual Property Convention”, Mumbai, 15-17 January, 2015.

7. P. Ganguli, Invited lecture “IP Monetising ... from Fuzziness to marketable realities”, International Seminar titled “IP, it makes Sense”, organised by Adastra and Malaysian Patent Office, Kuala Lumpur, 6 November, 2014.
8. P. Ganguli, Invited to lecture and conduct training programmes in IPR, International Forum on Nanotechnology Economy, Tehran, Iran from 12-14 October, 2014.
9. P. Ganguli, Chaired a session on “Patent Cliffs” at the “National IPR Conclave”, organised by “Legal Era”, Mumbai, 2 August, 2014.
10. P. Ganguli, “Healthcare and IPR Opportunities in India, WIPO-WTO IP Teachers Colloquium, Healthcare in India Opportunities at a crossroads, Brussels, Belgium, 12 June 2014.
11. P. Ganguli, The issue of working of patents and its implications..., Geneva, Switzerland, 16-27 June, 2014.
12. P. Ganguli, Participated in two panels in International IP Enforcement Summit, London, organised by the UK Government, London, 11 June, 2014.
13. P. Ganguli, “Protection and Valuation of IPR in Nanotechnology”.. Issues and challenges” and Commercialisation of R&D Results in Nanotechnology.. Issues and challenges”, National Workshop on Strengthening R&D Management Capacity of Researchers and Research Managers in the Area of Nanotechnology', organised by the Asia-Pacific Centre for Technology Transfer, Tehran, Islamic Republic of Iran, 25-26 February 2014.
14. P. Ganguli, “Seeding Ideas to Harvesting Marketables ... Creating Institutional Ecosystems, 2nd Annual Congress of TTO Network in Monterrey, Mexico, 15 November 2013.
15. P. Ganguli, “The Patent InfoGenie...at Beck and Call”, Keynote address at the Society of Information Science, Conference on Patent informatics for Corporate Planning and Business Development, Pune, India, December 9, 2013.
16. P. Ganguli, “Intellectual Property Rights (IPR) ... Steering the future of today”, keynote address at the 1st KSOL National Conference on IPR, KIIT University, 12 September, 2013.

18. Achievements (Inventions / patents / significant contributions / awards etc.)

- Within this brief period of its establishment, the Cell has processed 21 patents and 3 copyright applications. 3 inventions generated out of the research activity at Tezpur University have been accepted by TIFAC for further processing as patent applications. Two copyrights have been granted to the authors.
- Appointment of eminent IPR attorney, Mr. Anjan Sen from Anjan Sen and Associates at Kolkata, as the official attorney of the university to handle matters related to IPR could be identified as one of the major achievements of the Cell. Professional assistance of such kinds will add a great boost to TUIPR Cell's endeavor to convert commercially viable research outputs into patents. The Cell believes that commercialization of such patents in future will generate resources for the university, thereby promoting innovations amongst students by making research activities rewarding and self-sustaining.
- The legal fraternity under the banner of "LEGAL ERA" in India conferred on Prof. Prabuddha Ganguli, MHRD IPR Chair Professor, Tezpur University, the "Lifetime Achievement Award in IPR" at the National IPR Conclave on 2 August, 2014.
- On the occasion of Professor Homi Bhabha's Birthday Celebrations and TIFR Foundation Day, the TIFR Alumni Association (TAA) has conferred the TAA Excellence Award 2014 to Prof. Prabuddha Ganguli on 30 October, 2014. Prof.

Prabuddha Ganguli, was also invited by the TIFR Alumni Association to deliver the TAA-JRD Tata Public Lecture for the year 2014 at TIFR, Mumbai.

- The University Grants Commission has conferred the prestigious UGC Research Award for the period 2014–16 to Dr. Pritam Deb, Associate Professor in the Department of Physics and Coordinator, TUIPR Cell.

19. Strengths / weaknesses / challenges

Strengths

World renowned IPR expert Prof. Prabuddha Ganguli as Chair Professor and a capable IPR team to carryout various IPR related activities are identified as the strength of Cell. Besides these, association with various government departments and agencies like MHRD, DST-TIFAC, BPFC-DBT, PIC-ASTEC, C-DAC, DietY etc. have also helped the Cell in formation of an IP friendly environment in this part of the country. Further, appointment of renowned IPR attorney Mr. Anjan Sen for providing legal assistance to the inventors from Tezpur University has emerged as a key factor in strengthening the IPR scenario within the campus.

Weaknesses

Functioning with only a handful people and conducting classes as well as awareness programmes simultaneously sometimes becomes a major challenge for the Cell to function optimally. Lack of well-equipped classrooms of its own with state of the art facilities like video conferencing, overhead projections etc. to impart IPR education to growingly increasing number of IDC students and for facilitating better learning environment is identified as one of its weaknesses.

Challenges

Liaison with industry and marketing of research outputs in the form of various IPs to the relevant Industries could emerge as one of the major challenges to the Cell in future. With a diverse traditional and cultural heritage, together with a rich biodiversity, the North East region is definitely a potential IP hub. The major challenge in front of the Cell will be to bring each and every corner of this region under the umbrella of IPR consciousness and thereby contributing to its obligation in preventing unauthorized exploitation of the bio-cultural resources.



OTHER CENTRES AND CELLS

C. Other Centres and Cells

1. Name of the Centre / Cell : DBT Nodal Centre for Medical Colleges and Biomedical Research Institutes of North East India

2. Date of establishment : 2009

3. Funding agencies : Department of Biotechnology, Government of India

4. Faculty / Staff

Sl. No.	Name	Designation
1.	Prof. A. K. Mukherjee, (Dept. of M.B.B.T., TU)	Head & Coordinator
2.	Prof. R. C. Deka, (Dept. of Chemical Sciences, TU)	Joint Coordinator
3.	Dr. Gaurangi Maitra	Scientist - 1
4.	Ms. Meetaly Tamuly	Office Assistant
5.	Mr. Bhupinder Singh	Office Assistant (attached with DBT office, New Delhi)

5. Infrastructure

Facility	Number
Office room with basic facilities	02 nos.(Room no. 205, 206, Dept. of Environmental Science, TU)

6. Programmes offered: NA

7. CBCT / Elective / Optional courses offered by the Centre and departments involved
NA

8. Participation of the Centre/Cell in the courses offered by other departments: NA

9. Participation of the Centre / Cell in the distance mode of education: NA

A. Programmes offered

B. Self-learning materials developed for the courses

10. Trainings / workshops / short term courses / conferences conducted

Sl. No.	Theme / title	Duration	Place	No. of participant
1.	2 nd Review & Business Meeting	25 July, 2011	DBT NC, Tezpur University	38
2.	Workshop on Biostatistics for Healthcare	26-28 July, 2011	DBT NC, Tezpur University	50
3.	3 rd Review & Business Meeting	18-19 June, 2012	Greenwoods Resort, Guwahati	35
4.	4 th Review & Business Meeting	2 -3 Dec, 2013	DBT NC, TU	31
5.	5 th Review & Business Meeting	27 - 28 Feb, 2015	B. Barooah Cancer Institute, Guwahati	29
6.	Executive Committee Meeting	28 Feb, 2015	B. Barooah Cancer Institute, Guwahati	08

11. Faculty / staff participated in training / workshop / short term courses / conferences

Name of the faculty / staff	Programme	Duration	Place
Dr. Gaurangi Maitra Scientist 1	XI All India Meeting of Women in Science: "Science and Technology: Ethical Issues".	January 2011	Mumbai
Dr. Gaurangi Maitra Scientist 1	"International Conference on Molecular Signalling: Recent Trends In Biomedical & Translational Research"	17-19 Dec, 2014	IIT Roorkee

12. Papers presented in conferences

Sl. No.	Title of the paper	Conference	Duration	Place
1.	Guzarish: A Plea for Balance in Scientific Ethics Dr. Gaurangi Maitra	Science and Technology: Ethical Issues	29-30 Jan, 2011	Mumbai
2.	The Cell Story, As it Began by Dr. Gaurangi Maitra	Int. Conference on Molecular Signalling: Recent Trends In Biomedical & Translational Research	17-19 Dec, 2014	IIT Roorkee

13. External funded projects

Sl. No.	Project title	Sponsoring agency	Duration	Amount
1.	Development /Upgrading Infrastructure in Medical Colleges in North Eastern States of India".	DBT	2009-16	₹ 4,000.00 Lakhs (Rupees four thousand lakhs only)
2.	Research Grant to support MD/MS thesis".	DBT	2011-16	₹ 450.00 Lakhs (Rupees four hundred and fifty lakhs only)
Total				₹ 4,450 lakhs

14. Publications

Journals : 01

(Maitra, G. (2014) *Contributions of Nathaniel Wallich in the Context of His Time and Habitats*, Keanean Journal of Science, Volume 3, in press)

Conference proceedings : Nil

Books : Nil

Chapters in Books : 01

(Maitra, G. & Bhattacharya, S. (2015) *Footprints of Animal Sciences in India*, History of Science in India, Vol. IV, Part II, Animal Science. National Academy of Sciences, India & The Ramkrishna Mission Institute of Culture publication, pg 156-178).

Other (specify)

30 articles for "Green Cardamom" column; hosted by Dr. Gaurangi Maitra in Shillong Times. (www.theshillongtimes.com/.../green-cardamomsgaurangi-maitra)

15. Participation in outreach programmes: NA

16. Memorandum of understanding / collaborations / consultancy (if any)

Under MoU between DBT, M/o Science & Technology, New Delhi and Tezpur University, the following projects have been undertaken:

Project 1: “Development /Upgrading Infrastructure in Medical Colleges in North Eastern States of India”.

Project 2: “Research Grant to support MD/MS thesis”

17. Faculty and staff participated as experts / resource person

Dr. Gaurangi Maitra, Scientist 1, DBT Nodal Centre has participated in the following programmes as resource person,

1. Professional Development Programme on Science Communication Through media - Mass Communication & Journalism, Tezpur University, Sponsored by - NCSTC, DST, Delhi 10-15 December, 2012, Tezpur University.
2. Promotion and Application of Science and Technology- Northeast India Perspectives” 8-9 May, 2013 at Lady Keane College, Shillong.
3. 1- day Sensitization workshop on Technological Empowerment of Women through the SoRF Scheme of DST in collab. with NASI NER Local Chapter, 30June, 2014, NEHU, Shillong.

18. Achèvements (Inventions / patents / signifiant contributions / awards etc.)

PROJECT: 1 (2009-2015)	
Development /Upgrading Infrastructure in Medical Colleges in North Eastern States of India	
CREATION OF STATE OF ART INFRASTRUCTURE	➤ A total of 2458 m ² of laboratory space developed/renovated & functional high end equipment the project sites.
EDUCATION & TRAINING	➤ Project personnel recruited to the 100 sanctioned project positions in 21 projects. ➤ Overall 61 training programmes/ workshops were conducted by the project sites ➤ A total of 143 Training programmes/ workshops were attended by the project personal
DIAGNOSTICS & ENHANCED PATIENT CARE	➤ Diagnostics for at least 20 health related parameters available from the different laboratories. ➤ Quality control measures need to addressed urgently.
RESEARCH	Initiated in endemic healthcare areas of NER like Cancer; Hemoglobin Variants; HIV; etc.
PUBLICATIONS	➤ 43 publications have been generated from the infrastructure projects.
PRESENTATIONS	➤ 30 presentations have been generated from the infrastructure projects .
PhD	➤ 16 PhD (07 ongoing; 05 submitted& 04 awarded) & 36 PG thesis have been generated/supported from the infrastructure projects.
MD/MS THESIS SUPPORT	➤ 17 MD/MS THESIS (06 ongoing & 11 awarded)
PROJECT 2: (2011-2015)	
Research grant to support MD/MS thesis	
CAPACITY BUILDING	➤ The commitment of the Department of Biotechnology to Human Resource Development to match with raising standards of health & value of novel research tools in Health research has been taken forward by the

	<p>implementation of this scheme.</p> <p>➤ The increase in number & quality of proposals and with each phase increased use of research & travel grants bear witness to the success of this scheme in NER.</p>
PHASE 1 & 2 (2011-2012)	<p>➤ 290 applications received from MD/MS students</p> <p>➤ 150 candidates awarded MD/MS Thesis Grant</p> <p>➤ 79 MD/MS Thesis completed</p> <p>➤ 71 MD/MS Thesis ongoing</p> <p>➤ Over 53 travel grants for attending national seminars/workshops disbursed</p> <p>➤ 53 presentations generated</p>
PHASE 3 & 4 (2012-2013)	
PHASE 5 & 6 (2013-2014)	
PHASE 5 & 6 (2014-2015)	
	128 applications received & being processed for evaluation.

Significant Contributions

Project 1

2014 marks completion of five years of the project Development/Upgrading Infrastructure in Medical Colleges in North Eastern States of India which led to the creation of some of the best equipped labs in the NER. These laboratories are offering diagnostics specific to the NER and upgrade patient services, so that patients do not have to go outside the region for specific diagnosis & prophylaxis.

At each project site, infrastructure up gradation has been completed through renovation of laboratory space, installation of high end equipment like RT PCR, FACS etc., and manpower training making all 21 laboratories functional with high end diagnostic capacity in the fields of:

Virology

- DBT Healthcare Molecular Biology/Virology Laboratory, AMCH, Dibrugarh, Assam
- DBT Healthcare and Molecular Biology Laboratory, RIMS, Imphal, Manipur
- DBT Virology Diagnostic Laboratory for HIV, Hepatitis & Influenza, RMRC, Dibrugarh, Assam

Oncology

- DBT Healthcare Laboratory for Modern Biology & Biotechnology, NHA, Kohima.
- DBT Healthcare Flowcytometry Laboratory and DBT Healthcare Cytogenetic Laboratory, AMCH, Dibrugarh, Assam
- DBT Healthcare & Molecular Oncology Laboratory, CCHRC, Silchar, Assam.
- DBT Centre for Molecular Biology And Cancer Research, BBCI, Guwahati.
- DBT Healthcare Laboratory, AU, Silchar, Assam.
- DBT Healthcare Laboratory, SMCH, Silchar, Assam.
- DBT Healthcare Molecular Diagnostic Laboratory, RIMS, Imphal, Manipur
- DBT Healthcare Immunohistochemistry & Molecular Biology Laboratory, AGMC, Agartala.
- DBT Healthcare Laboratory, AGMC, Agartala.

Hemoglobinopathies

- DBT Healthcare Clinical Biochemistry Laboratory, AMCH, Dibrugarh, Assam
- DBT Healthcare Molecular Diagnostic Laboratory for Genetic Haematological Diseases, GMCH, Guwahati, Assam
- DBT Healthcare Laboratory, RIMS, Imphal, Manipur

TB

- DBT Healthcare Laboratory, AGMC, Agartala, Tripura

Therapeutic Drug Monitoring

- DBT Healthcare Therapeutic Drug Monitoring Laboratory, RIMS, Imphal, Manipur
- DBT Healthcare Laboratory, LGBRIMH, Tezpur, Assam

HLA Tissue Typing

- DBT Healthcare HLA Tissue Typing & Transplant Immunology Laboratory, GMCH, Guwahati, Assam

Poison Information

- DBT Healthcare Laboratory for Poison Information, DBT Healthcare Laboratory for Poison Information, RIMS, Imphal, Manipur

Over 60% of these DBT Healthcare Labs at project sites are already offering diagnostics for patient care, facilities and for biomedical research from upgraded infrastructure resources. Publications, presentations, Ph. D. thesis have been produced by the projects. The Project Investigators are now participating in other research based activities such as Twinning, Biotech Hubs & Units of Excellence.

Project 2

2014 marks three years of MD/MS Thesis Grant Scheme. The MD/MS Thesis Grant scheme spread across all seven NE states has completed its sixth phase. To date 150 post graduate students from the following institutions have received fellowship worth 1.50 Lakhs per head under this scheme to date

- Guwahati Medical College & Hospital, Guwahati, Assam
- Regional Institute of Medical Sciences, Imphal, Manipur
- Assam Medical College & Hospital, Dibrugarh, Assam
- North Eastern Indira Gandhi Regional Institute Health & Medical Sciences, Shillong.
- Silchar Medical College & Hospital, Silchar, Assam
- Sikkim Manipal Institute of Medical Sciences, Gangtok, Sikkim
- Lokapriya Gopinath Bordoloi Regional Institute of Mental Health, Tezpur, Assam
- Agartala Government Medical College, Agartala, Tripura
- Regional Dental College, Guwahati
- Mizoram Civil Hospital, Aizwal, Mizoram

Details of Theses and presentations

Phase	Year	Total number of applicants	Total number awarded	Thesis & presentations
Phase I & II	2011-12	93	48	48 thesis completed, 24 conference presentations
Phase III & IV	2012-13	83	33	15 thesis completed, 22 conference presentations till April 2015
Phase V & VI	2013-14	114	71	16 thesis completed, 07 conference presentations till April 2015
Phase VII & VIII	2014-15	128	Evaluation in process	

19. Strengths / weaknesses / challenges**Strengths**

1. Institute development.
2. Creation of trained manpower in NER.
3. Project management.

Challenge

1. Setting up “Wet Laboratory Facilities for Disease Biology” including specific requirements of manpower, equipment, recurring grant and collaboration with a medical college; collaborating with Tezpur Medical College to take forward DBT Nodal Cell contribution to the development of NER.
2. Taking forward the MD/MS Thesis Grant Scheme for another term.

C. Other Centres and Cells**1. Name of the Centre / Cell** : ONGC- Centre for Petroleum Biotechnology (CPBT)**2. Year of establishment** : 1999**3. Funding agencies** : ONGC (L) and Tezpur University**4. Faculty / Staff**

Sl. No.	Name	Designation
1.	Prof. A. K. Mukherjee	Professor and Head
2.	Mr. Anupam Saikia	Technical Assistant (Temporary)
3.	Mr. Niranjana Das	Section Officer (Part time)

5. Infrastructure

Facility	Number
Laboratory	02
Office room	01
Other (specify)	All the instruments of the ONGC-CPBT are located in the room no. 308, 309 and GC-MS system on CIF, Dept. of MBBT.

6. Programmes offered: NA**7. CBCT / Elective / Optional courses offered by the Centre and departments involved**
NA**8. Participation of the Centre/Cell in the courses offered by other departments:** NA**9. Participation of the Centre / Cell in the distance mode of education:** NA**A. Programmes offered****B. Self-learning materials developed for the courses****10. Trainings / workshops / short term courses / conferences conducted**

Sl. No.	Theme / Title	Duration	Place	No. of participants
1.	Hands on training on 'Molecular Biology and Analytical Techniques in Petroleum Biotechnology'	01- 05 December, 2014	Dept. of MBBT, Tezpur University	05 (exclusively for ONGCL scientists)
2.	Hands on training in 'Analytical Techniques in petroleum Biotechnology'	28 Oct-01 Nov, 2013	Dept. of MBBT, TU	05 (exclusively for ONGCL scientists)
3.	National Seminar on "Recent Advances in Applied Microbiology and Bioprocess Engineering" with Special Reference to Petroleum Biotechnology	23-24 August, 2012	Dept. of MBBT, TU	118

11. Faculty / staff participated in training / workshop / short term courses / conferences

Name of the faculty / staff	Programme	Duration	Place
Mr. Anupam Saikia	Short Term Training Program on Analytical Instruments and its Applications	22- 24 July, 2013	Guwahati Biotech Park, Guwahati

12. Papers presented in conferences*Incorporated in the Department of MBBT profile***13. External funded projects**

Sl. No.	Name of investigator/s	Project title	Sponsoring agency	Amount (₹ in Lakh)	Duration
1.	Prof. A. K. Mukherjee	Proteomics study of aromatic hydrocarbons degradation enzymes of some selected bacterial strains prospecting strategies for environmental bioremediation.	ONGC(L)	7.06	2014-2016
2.	Dr. T. Medhi	Development of phytoremediation protocol for bioremediation of crude oil contamination.	ONGC(L)	5.00	2014-2016
3.	Prof. K. P. Sarma	Spatial distribution and source apportionment of PAHs in drinking water and soil of surrounding areas of Borhola oilfields of Jorhat.	ONGC-CPBT	6.35	2011
4.	Prof. B. K. Konwar	Bioremediation of Crude Oil Contaminated Soil.	ONGCL	70.03	2009-2014

14. Publications: *(Incorporated in the Department of MBBT profile.)***15. Participation in outreach programmes:** NA**16. Memorandum of understanding / collaborations / consultancy (if any)**

One memorandum of understanding was signed on 30 April, 2010 between ONGCL and Tezpur University for the permanency of CPBT.

17. Faculty and staff participated as experts / resource person

Prof. A. K. Mukherjee

- Resource person, Short Term Course on "Tools for Bioresource Conservation" organized by Department of Biotechnology, Indian Institute of Technology Guwahati, 11-15 July, 2011.
- Invited speaker and member of the International Scientific Advisory Committee, 17th World Congress of International Society of Toxinology and Venom Week, Honolulu, Hawaii, 8-13 July, 2012.
- Invited speaker and Resource person, National Conference on Recent Developments in Health, Hygiene and Environment, organized by Defence Research Laboratory, Tezpur, 6-8 November, 2012.
- Invited speaker, 2nd National Conference on Toxinological Society of India, Organized by Dept. of Biochemistry, University of Mysore & Karnataka State Open University, Mysore, 10-12 December, 2012.
- Invited speaker, Medical Science Section of 100th session of Indian Science Congress, Calcutta University, Kolkata, 3-7 January, 2013.
- Resource person, Snake Bite Study-Protocol Development Workshop, Vellore, 11-12 March, 2013.

- vii) Organizing secretary and speaker, UGC-SAP National Seminar on Recent Advances in Microbial Biotechnology and Molecular Evolution, Tezpur University, 1-2 March, 2013.
- viii) Resource person and chief guest, Training Programme on Biomedical Waste Management, Pollution Control Board, Tezpur, Assam, 18 May, 2013.
- ix) Resource person, INSPIRE programme of DST, Govt. of India, Tezpur University, 23-27 December, 2013.
- x) Invited speaker, SBC (I) meeting of NE chapter, NEIST, Jorhat, 22 Feb, 2014.
- xi) Invited speaker & sectional chairperson, National Seminar on “Recent Advances in Biotechnological Research in NE India: Challenges and Prospects”, Dept of MBBT, Tezpur University, 27-29 November, 2014.
- xii) Resource person and organizing secretary, workshop on “Molecular Biological and Analytical Techniques in Petroleum Biotechnology”, ONGC-Center for Petroleum Biotechnology, Tezpur University, 1-5 December 2014.
- xiii) Invited Speaker, 83rd Annual meeting of SBC(I), KIIT University, Bhubaneswar, 18-21 December, 2014.

18. Achievements (Inventions / patents / significant contributions / awards etc.)

Prof. A. K. Mukherjee

- i) Sectional Committee Member (2011-2012), New Biology section, Indian Science Congress Association, Kolkata.
- ii) Recipient of DBT-CREST (Cutting Edge Research Enhancement and Scientific Training Award) 2010-11 from the Department of Biotechnology, Ministry of Science and Technology for advance training in proteomics and drug discovery at UNC, USA.
- iii) Member, Star College Scheme, Department of Biotechnology, Ministry of Science and Technology, Govt. of India (2011-2014).
- iv) Sectional Co-Chairman and Member of the Scientific Organization Committee, 17th World Congress on Venoms and Toxins organized by International Society on Toxinology, Honolulu, Hawaii, USA, July 2012.
- v) Recipient of Unit of Excellence Award (2013) in NER of India by the Department of Biotechnology, Ministry of Science and Technology, Govt. of India.
- vi) Session Co-Chairman, SBC(I) meeting of NE chapter, February 22, 2014 at North-East Institute of Science and Technology (CSIR), Jorhat, February 2014.
- vii) Recipient of “National Bioscience Award for Career Development-2013” by Department of Biotechnology, Ministry of Science and Technology, Govt. of India.
- viii) Recipient of “Sreenivasaya Memorial Award-2014” for outstanding contribution in Biochemistry and allied sciences in India by the Society of Biological Chemists (India), held at KIIT University, Bhubaneswar.

19. Strengths / weaknesses / challenges

Strength

- 1. University-Industry collaboration (Academy-Industry Interaction) to resolve the problems in petroleum industry.
- 2. Training of manpower in petroleum biotechnology.
- 3. Technology transfer to ONGC (L).

Weakness

- 1. Old instruments need to be replaced.
- 2. Requirement of more manpower in the Centre to make it an independent Centre.

Challenges

- 1. To develop this Centre as an independent Centre with more funding provision from Oil Company or Government funding agencies.

2. Creation of permanent posts of Scientists and Lab technician for smooth functioning of the Centre.
3. Offering of courses related to petroleum biotechnology.

C. Other Centres and Cells

1. Name : Sophisticated Analytical Instrumentation Centre (SAIC)

2. Date of establishment : 2010

3. Staff position

Designation	Sanctioned	Filled	Actual
Technical Officer	01	01	01
Technical Assistant	01	01	01

3. Infrastructural facilities**Central facility****A. Instruments Installed in SAIC building**

Sl. No.	Name	Make	Model	Inst. Year
1	High Performance Liquid Chromatography (HPLC)	Waters Corporation, USA	a. UV/Visible Detector-2489 b. Refractive Index Detector-2414 c. HPLC Pump-515	2011
2	Gel Permeation Chromatography (GPC)	-do-	a. UV/Visible Detector-2489 b. Refractive Index Detector-2414 c. HPLC Pump-51	2011
3	Atomic Absorption Spectrometry (AAS)	Thermo Scientific, UK	AAS-ICE 3500	2012
4	Single Crystal X-ray Diffractometer (XRD)	Bruker, Germany	AXS SMART APEX-II	2012
5	Raman Spectrometer	Renishaw, UK	Renishaw Basis Series with 514 Lasers	2012
6	Transmission Electron Microscope (TEM-200KV)	FEI Company, USA	FEI 200KV TEM model Tecnai G2 F20 S-TWIN	2013
*7	Powder Crystal XRD	Bruker AXS, Germany	D8 Focus	2011
*8	Surface and Pore size analyzer (BET)	Quantachrome, USA	ASiQC0000-4	2013

*under faculty project

B. Instruments Installed in the Department of Energy

Sl. No.	Name	Make	Model	Inst. Year
9	Bomb Calorimeter	Ms. Changsha Kaiyuan Instruments Co.Ltd, Changsha, China	SE-1AC/ML	2008
10	Diesel Eng. Test Rig	Ms. Apex Innovation, India	PSP 228	2008
11	Digital Power Analyzer-(Portable)	Yokogawa (Portable Energy Meter), India	CW140/F/C2/DA/PM1	2004
12	Duel Fuel Engine Test Rig	International Commercial Traders		2008

13	Dust-Trak Aerosol Monitor	TSI Incorporated, 500 Cardigan road, St. Paul, MN USA -55126	8520	2008
14	Exhaust Gas Analyzer	Indus Scientific Equipment, Bangalore	PEA 205	2008
15	Oxidation Stability Apparatus	Metrohm, USA	Rancimat 743	2008
16	Q-track plus Indoor Air Quality (IAQ) Monitor	TSI Incorporated, 500 Cardigan road, St. Paul, MN USA -55126	8554	2008
17	Fluorescence Indicator Absorption (FIA) Apparatus			2009

C. Instruments installed in the Department of Chemical Sciences

Sl. No.	Name	Make	Model	Inst. Year
18	Thermal Analyzer (TGA-DSC)	Shimadzu, USA	TGA-50 & DSC-60	2006
19	Gas chromatography and mass spectrometer (GC-MS)	Perkinelmer, USA	CLARUS 600	2009
20	Gas chromatography Analyzer (GC)	CIC, India	GC 2010	2011
21	Fourier Transform Infrared Spectrometer (FTIR)	Nicolet	Impact 410	1998
22	CHN analyzer	Perkin Elmer, USA	2400 Series 2	2006
23	400MHz Nuclear Magnetic Resonance Spectrophotometer (NMR)	JEOL, Japan	ECS-400	2010

D. Instruments installed in the Department of MBBT

Sl. No.	Name	Make	Model	Inst. Year
24	Fluorescence Spectrophotometer	Perkin Elmer, USA	LS55	2008
25	Gas chromatography and mass spectrometer (GC-MS)	Varian, California	CP3800; MS-Saturn 2200	2003
26	Fourier Transform Infrared Spectrometer (FTIR)	Applied Biosystem	Spectrum100	2010
27	DNA Sequencer	Applied Biosystem	3130 Genetic Analyzer	2010
28	High Performance Liquid Chromatography (HPLC)	Waters, USA	2487	-
29	Fermenter	Delvac	Lyodel	2010

E. Instruments installed in the Deptt. of Environmental Science

Sl. No.	Name	Make	Model	Inst. Year
30	Inductively Couple plasma optical Emission Spectrophotometer (ICP-OES)	Perkin Elmer, USA	optima 2100 DV	2009

F. Instruments Installed in the Department of Physics

Sl. No.	Name	Make	Model	Inst. Year
31	Scanning Electron Microscope (SEM)	JEOL, Japan	JSM 6390LV	2008
32	UV-VIS Spectrophotometer	Shimadzu	UV-2450	2008
33	Fourier Transform Infrared Spectrometer (FTIR)	Perkin Elmer, USA	Spectrum 100	2012
34	Fluorescence Spectrometer	Perkin Elmer, USA	LS 55	2005
35	X-ray Diffract meter (XRD)	RIGAKU	Miniflex	2010

G. Instruments installed in the Department of Mechanical Engineering

Sl. No.	Name	Make	Model	Inst. Year
36	Universal Testing Machine (UTM)	Ratnakar Enterprises	KUT-100(E)	2007
37	CNC Lathe Machine	MTAB	MAXTURN	2012

4. Activities

Instrumental methods of analysis form an indispensable aspect of Research and Development. Tezpur University has a number of departments and centers working on areas which require sophisticated analytical equipment. Sophisticated Analytical Instrumentation Centre (SAIC) at Tezpur University is set up to cater to these requirements. The centre also extends these facilities to other educational institutions and industries within the north east region and even beyond, as many of them do not have the resources to procure and maintain sophisticated analytical instruments.

5. Memorandum of understanding: None**6. Extension activities (if any)**

As of now, the facilities are extended to other institutions including R & D organisations in addition to industries.

7. Achievements (2009-till date)

- The central facility is extending the analytical facilities to the targeted user groups effectively. It is also managing an inventory of analytical gases and liquid nitrogen to ensure a reliable and regular supply of these within the university users.
- A glass blowing workshop is already being set up as part of the central facility under SAIC. Different type of laboratory glass apparatus are repaired in this facility and also designed new apparatus as per user requirements.

- Provided the power point presentation of instruments operation to visitors as and when required as per authority permission. In this, we have presented the power point presentation of operation/importance in research etc of all facility under SAIC in FDP.
- Organised glass blowing workshop programme for school level students.

8. Strengths/weaknesses/challenges

- The equipments are operating with minimum down-time and the centre initiates immediate necessary steps to resolve any technical snags that are encountered.

9. Future/Developmental Plans

- The glass blowing workshop facility to be extended for external users shortly.

Planning to organize short-term courses/workshops on the use and application of various spectroscopic and analytical techniques for students, teachers and personnel from other laboratories, universities and industries for research and development in science and technology.



Courtesy: Flt. Lt. Pramod Kumar Singh



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