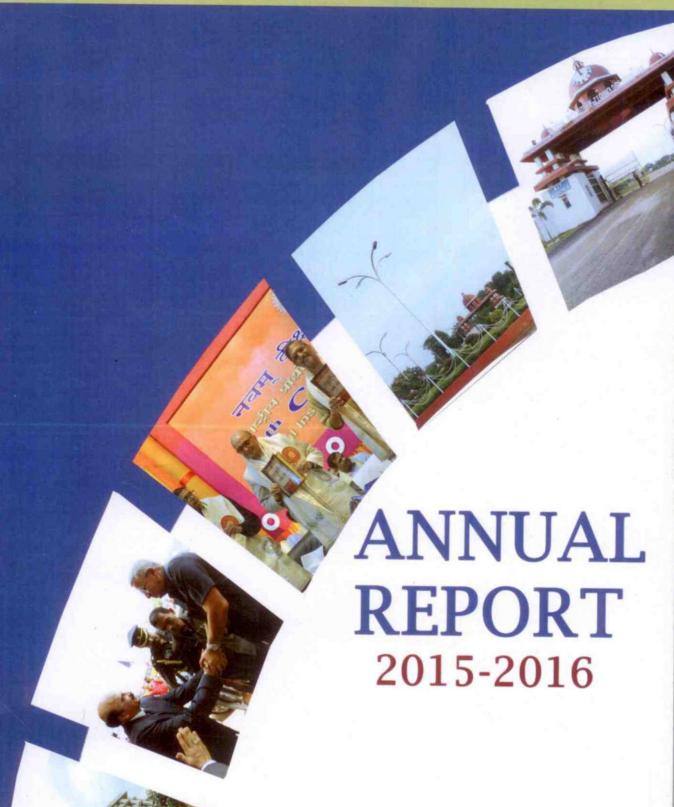


राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA

An Institute of National Importance





National Institute of Technology Agartala Jirania, Tripura - 799046.

www.nita.ac.in

ANNUAL REPORT

2015 - 2016



NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA

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1.0 INTRODUCTION

National Institute of Technology Agartala, a Centrally Funded Institution is one of the thirty one National Level Technical Institutes in India. The Institute's vision is "to help to improve the economic development of the country particularly of the Institutes of the North-Eastern States, through the pursuit of excellence in technical education, research, consultancy and training". The Institute has marked an important footprint in this short span of time after its conversion from the erstwhile Tripura Engineering College to NIT Agartala in the year 2006. Situated in the lap of nature, NIT Agartala has embarked on a journey to make its presence felt in the map of Technical education and innovation in the country. Presently at the Under Graduate Level, B. Tech Degree Courses are offered in Civil Engineering, Mechanical Engineering, Electrical Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Production Engineering, Chemical Engineering, Electronics & Instrumentation Engineering and Bio Engineering, out of which seven branches also offer Post-Graduate courses. The Institute also offers courses of higher study in computer applications, science subjects and management programmes, MCA, M. Sc., MBA. To promote fundamental research, it also has Ph.D along with Post-Doctoral Fellowship programs in various fields of specializations of Engineering, Science and Humanities & Social Sciences. The School of Management has also been started to produce management professionals, skilled with analytical and administrative ability.

The Institute has a dedicated Center for Career Development for organizing on campus placements process, Industrial Training, Study Tours, and Apprenticeship Training for the final year students. The Institute has several highly sophisticated laboratories empowered with the latest technical equipments that aim at catering the state of the art research. The Institute has a well-equipped workshop that provides centralized facilities for conducting classes at the undergraduate level and also meets the requirements of any state of the art project work and consultancy initiatives. The Library of the Institute is equipped with the latest RFID systems and dedicated digital section with online access to numerous international journals of repute and e-books from different online portals and subjects to quench the needs of our students and researchers.

The Institute has both Boys' and Girls' Hostel facilities. Students are accommodated in four Boy's Hostels and 1 Girls' Hostel. The institute looks forward to accommodate students into another Boy's hostel complex with boarding capacity of 1500 students before the start of the new academic session. The students take active part in all sorts of activities held in cultural and technical festivals in and outside the campus. The NITA Student Gymkhana is a very active student organization that acts as a link between the students and the administration. The Gymkhana Club promotes the objectives of fostering extra-curricular activities and works for the welfare of students. Every year the students of NIT Agartala organize the Annual Techno-Cultural fest called 'Advaitam' that witnesses spontaneous participation of students. And different Clubs such as Robotic Club, Soft Skills Development Club, Electronic Club, Music Club, Drama Club, Photographic Club, Art & Culture Club have been formed for encouraging the students to take part and develop themselves in various fields.

The entire NIT Agartala is sprawled over 365 acres of lush green land in nature's lap. Massive construction works are going on with a rapid pace to equip it fully with the entire infrastructure.

Virtual class room through 4 Mbps High definition video conferencing has been established under the second phase of the Pilot project launched by NICSI, New Delhi to connect IITs, IISc, TIFR and NITs through NKN and, a Multimedia centre has been developed to cater to the needs of the CDAC curricula. Having regard to the concern for the environment, Solar panels have been installed with a 90% subsidy by MNRE for street lights and other Emergency loads like Hospital, Guest House, Girls' Hostel etc. The entire campus of NIT Agartala is a Wi-Fi campus where internet facilities can be accessed from anywhere at any point of time. NIT Agartala is the first NIT to have started Kendriya Vidyalaya within its campus to provide education to the local people as well as the children of the faculty members and other staff members staying within the campus. NIT Agartala looks forward to work for a future that would empower our young generation with a quality technical education that will help them take greater responsibility to take our country forward.

1.1 Objectives:

The National Institute of Technology Agartala is an Institution of National Importance set up by Govt. of India. The mission of the Institution is:

- > To develop professional attitude.
- To make good human beings possessing professional ethics.
- To make responsible citizens with social commitment.
- To develop entrepreneurial spirit among young professionals.
- To foster research and attitude for development.
- To ensure all round growth, fostering and developing better commitment in terms of both technological advancement and development.

1.2 Goal:

Institutional Goal – Short term and Long term

The target of the Institute is to achieve Short Term Goals within 5 years and the Long Term Goals within 10 years.

Short term goals:

- Academic Blocks and Administrative Blocks have already been inaugurated and will be operational soon.
- To complete the construction of Students' Hostels and Staff Quarters.
- Installation and commissioning of sub-station for reliable and quality power supply in the campus.
- To construct roads & other amenities as proposed in the master plan.
- To procure adequate laboratory equipment and machineries for UG and PG classes.
- To develop modern laboratories for Central Research Facilities and consultancy activities.
- Upgradation of existing campus to the wide network to provide continuous high broadband internet connectivity.

- Upgradation of existing library with modern facilities namely RFID, digital library, library management system, connectivity to e-journals and e-books of reputed publications.
- Creation of all infrastructural and other facilities such as a boundary wall, all weather internal roads with footpath and well planned campus to be developed keeping in view the architectural landscaping and beautification.
- Entrepreneurship development aided with Technology Incubation.

Long Term Goals:

- To make it one of the leading technological Institutions not only in India, but also in the world map of technical Institutes.
- To attract large number of foreign students.
- To produce high quality research scholars in all professional areas.
- To attract high quality experienced faculty members of national and international standards.
- To strengthen Industry Institute partnership linkages.
- To extend facilities in terms of technology transfer for developing infrastructural facilities of the Region.
- To establish community development centres for nurturing and motivating the local talents and resources.
- To establish different Schools / Centres in the emerging Science, Technology and other related professional areas.
- To establish IPR centre and IIPC.
- To establish itself as an Educational Hub in the North-East Region.

1.3 Education System:

The National Institute of Technology Agartala offers B. Tech, MCA, MBA, M. Tech., M. Sc. (courses in Physics, Chemistry and Mathematics) and Ph.D. courses in Engineering, Technology, Sciences, Humanities & Social Sciences.

The Institute has introduced a new curriculum in the line of IITs where more number of elective subjects are offered to make the system flexible. The Institute follows a credit based system for academic evaluation. It offers Industrial training and projects as a part of the education system and students are also encouraged to take part in various activities through NSS, NCC, Sports and other co-curricular activities for their social and personality development.

1.4 New Initiatives:

The number of seats have been increased from 757 to 867 for the academic session 2013-2014. The PG programmes have been aimed to fulfil the requirement of Tripura and North East as a whole. The campus has been partially made residential with four boys' hostels and one girls' hostel. A fully residential campus will be developed with modern facilities for overall requirement of the Institute within 3 years.

The Institute gets a 33 KV dedicated power supply through Tripura State Electricity Corporation Limited for uninterrupted supply in the campus. Some other initiatives taken for augmenting the Institute with more infrastructure facilities are the construction of the following:

- (1) Up-gradation of the internal main road with both side footpath including side drain, electric post, bus stop, sitting arrangement at certain intervals & conduit from main gate 1 to auxiliary gate -2 via housing and boys' hostel & auxiliary gate -2 to main gate -1 and auditorium to existing play ground (old) at NIT Agartala.
- (2) Revamping of lakes, water harvesting and beautification of water bodies in NIT Agartala.
- (3) CCTV Surveilance System, LAN networking and telephone/ intercom system in Central Library at NIT Agartala.
- (4) HVAC System in Cental Library at NIT Agartala.
- (5) Internet Connection in Transportation Engineering Laboratory & Water Resource Engineering Laboratory of Civil Engineering Department (New Workshop).
- (6) Area Development works in and around Central Plaza, Academic Zone, NIT Agartala in progress.
- (7) Construction of Laboratory to conduct the experiment of Geotechnical Engineers for Ph. D. Scholars at NIT Agartala.
- (8) Supply, Installation, Testing & Commissioning of 15 (fifteen) lifts in Administrative Building 1 & 2, School of Management, International Guest House, Academic Block (ECE Dept. & DoNER), Central Library and Director's Bungalow at NIT Agartala.

2.0 AN OVERVIEW

A brief overview about the Institute is furnished in this section.

2.1 Historical Background:

National Institute of Technology Agartala, a Centrally Funded Institution was set up to impart quality technical education into various levels of higher learning. It may be mentioned here that the 23rd February 2006 is a Red Letter Day in the history of Tripura Engineering College as well as in the State of Tripura as the Union Cabinet approved the proposal of the State Government for conversion of Tripura Engineering College to National Institute of Technology, a fully Central Government funded Institution with Deemed to be University status.

The Institute (i.e. erstwhile Tripura Engineering College) was established in 1965 with the three traditional branches of Civil, Electrical and Mechanical Engineering. It was initially affiliated to Calcutta University and had the same curriculum structure and examination system at par with Bengal Engineering College (presently Bengal Engineering and Science University, Shibpur). After the establishment of Tripura University, the Institute was then affiliated to Tripura University w.e.f. 1987.

2.2 Location:

The Institute is located on a site, 20 km. away from the capital city of Agartala and 4 km. away from National Highway (NH-44) connecting Agartala to Shillong. Agartala is linked to the rest of the country by road and rail-link via Silchar and Guwahati. It has got direct air link to New Delhi, Kolkata, Guwahati, Silchar, Imphal, Mumbai, Bangalore and Chennai. NIT Agartala is situated at 91°21′22.681″ E (E 339387.823 m.) longitudes and 23°50′26.906″ N (N 2637495.384 m.) latitude at a height of 43.786 metres above the sea level. The climate in the institute campus is moderate. The temperature varies from a minimum 6°C in the winter season to a maximum of 35°C in the summer season. The area has an approximate annual rainfall of 2200 mm.

The Institute is connected to the National Highway with all weather-metalled roads. Regular bus and jeep services are available from Agartala city to College Chowmuhani (NH 44 junction) near the Institute. Auto-rickshaw services are also available on the route from College Chowmuhani to the Institute and back. Direct regular bus service form Agartala (Nagerjala) to NIT Campus via Ranirbazar is now available. The nearest railway station at Jirania is about 2.5 km. from the Institute. The Institute also has its own bus service for campus dwellers.

2.3 Campus and Common Facilities:

The campus of the Institute is spread over an area of 365 acres, set amidst a sprawling landscape of natural quietness. It presents a spectacle of harmony in modern architecture, natural beauty aided with picturesque surroundings.

A well-equipped Medical Unit with four Medical Officers, two Pharmacists and other supporting staff is available in the campus for rendering medical care to the students, staff and other inmates

of the campus. In case of emergency, arrangements are made for transferring the patients to the Jirania Primary Health Centre which is 4 km. away from the campus or to the State Hospital in Agartala. An ambulance service is also provided for students and staff.

A full-fledged Branch of State Bank of India named SBI NIT Agartala Branch is functioning in the Institute campus with the Core Banking facility since 28th March 2008. The SBI has opened an ATM counter in the Institute campus. Teachers, staff, students and local inhabitants are getting benefit out of it. With the introduction of nationalized Banking facility in the campus, a long pending demand of the students and staff of the Institute has been fulfilled. Two ATM counters one by CANARA Bank and the other by Punjab National Bank have also been operating in the campus. CANARA Bank opened their branch in the Institute's premises.

The Tripura Gramin Bank has a branch operating from the Institute campus named as NIT Agartala Branch. The campus also has a Sub-Post Office by the name "NIT Agartala" having PIN: 799 046.

2.4 Initiatives for Research & Development:

NIT Agartala has performed well in culturing of academic and research environment within its wide area of specialization offered by faculty members of different departments. In this respect, an MOU is signed between NIT Agartala and CSIR NCL Pune on 30th May 2015 for students exchange and joint collaborative research. This will definitely bring a new era of research in the Institute as expected.

The social responsibility of NIT Agartala could not be denied at any sector and an MOU between the Ministry of Housing and Urban Poverty Alleviation (MHUPA) and NIT Agartala was signed on 15th February 2016. This MOU is mainly aimed for giving expertise and housing designs in case specific to be identified by State and Central departments. Preparation of manuals & guidelines, technical audit of DPR's, technical training of engineers etc are also covered under this MOU. The identification and transplantation of global best practice in regard to adoption of new designed and techniques, mechanism for testing and accepting materials, arrangement for pilot testing and demonstration and giving expertise related to slum reevaluation through the Urban Housing are also included in the MOU.

As NIT Surathkal and NIT Warangal belong to the same family of 31 NIT's, NIT Agartala signed an MOU with both of them in regard to internship, joint research, students exchange and joint guidance of PhD/ M.Tech students. This will help to cover the loopholes of research area where NITs can supplement each other by providing adequate manpower and proper guidance.

For better development of soft skills, most of the IIT's have formed an MOU with "Pariksha" for soft skills development and providing skills related signed to placement interview. In this connection, NIT Agartala being the 1st NIT to sign an MOU with the same organization and online tests are carried on regular intervals under the supervision of the Career Development Centre, NIT Agartala.

2.5 Placements:

The Institute has a Centre for Career Development (CCD) under the Chairmanship of Prof. U. Mishra with supporting staff. The CCD helps the students to get proper placements in various Public and Private Sector Organizations by arranging the campus interviews. Study Tours and Industrial Trainings are also organized by this Cell.

2.6 Games and Sports:

The students actively participate in all co-curricular activities like Games and Sports, Debates, Cultural-Functions, Essay Competitions, Drama Competitions, Rallies on various themes, NSS programmes, etc. being sponsored by the State Government and Central Government and other statutory bodies and also by the institute authority. N.S.S. or N.C.C. is a compulsory subject for all students of first year.

3.0 ADMINISTRATION

3.1 Introduction:

Recognizing the growing need of quality technical education in the North Eastern Region, the Union Cabinet approved the proposal of the State Government for the conversion of the erstwhile Tripura Engineering College to National Institute of Technology, to a fully Central Government funded Institution with Deemed to be University status on 23rd February, 2006. The Ministry of Human Resource Development, Government of India issued the official notification No. F. 26-20/2004/TS-III dated 10.03.2006 that marked the emergence of National Institute of Technology Agartala with effect from 01.04.2006.

National Institute of Technology Agartala (NITA) is an autonomous statutory organization set up by NIT ACT. *NIT Act and first Statutes framed under the ACT have provision for 4 Authorities. Board of Governors* (BOG) is the highest authority, responsible for overall administration and control of the Institution. Under the supervision of BOG, three (3) other authorities work in different areas for proper supervision, maintenance and implementation of decisions and policies of the Institution. The other authorities are (1) Finance Committee, (2) Building & Works Committee and (3) Senate. The functions, responsibilities, powers of BOG, Finance Committee, Building & Works Committee and Senate are provided in the NIT ACT and Statutes.

Members of the Board of Governors (BOG)

Sl. No. Name and Designation of the Members

- Padma Shri Deepak B. Phatak, Chairperson, BOG, NIT Agartala and Professor, Department of Computer Science & Engineering, IIT Bombay.
- 2 Prof. (Dr.) Gopal Mugeraya, Director, NIT Agartala (Tripura).
- The Special Secretary/ Additional Secretary/ Joint Secretary dealing with Technical Education, Department of Higher Education, Ministry of Human Resource Development, Govt. of India.
- The Financial Adviser, Department of Higher Education, Ministry of Human Resource Development, Govt. of India.
- 5 The Secretary to the Govt. of Tripura, Dept. of Higher Education, Tripura.
- Prof. Nitindra Nath Som, Former Professor of Civil Engineering & Dean, Faculty of Engineering & Technology, Jadavpur University, Kolkata, West Bengal.
- 7 Prof. A. Srinivasan, Dean of Faculty Affairs, IIT Guwahati, Assam.
- 8 Prof. (Mrs.) Uma Bhattacharya, Department of Computer Science and Technology, BESU, Shibpur.
- 9 Shri Alok Roy Choudhury, Additional Chief Engineer, PWD, Govt. of Tripura, Agartala, Tripura.
- 10 Prof. R. P. Sharma, Professor, Civil Engineering Department, NIT Agartala.
- Dr. John Debbarma, Assistant Professor, Department of Mechanical Engineering, NIT, Agartala.
- Dr. D. Bhattacharya, Registrar (in-charge), Secretary of BOG.

Members of the Finance Committee

Sl. No. Name and Designation of the Members

- Padma Shri Deepak B. Phatak, Chairperson, BOG, NIT Agartala and Professor, Department of Computer Science & Engineering, IIT Bombay.
- 2 Prof. (Dr.) Gopal Mugeraya, Director, NIT Agartala (Tripura).
- The Joint Secretary dealing with NITs or his nominee, Department of Higher Education, Ministry of Human Resource Development, Govt. of India.
- The Financial Advisor or his nominee, Department of Higher Education, Ministry of Human Resource Development, Govt. of India.
- 5 Prof. Nitindra Nath Som, Former Professor of Civil Engineering & Dean, Faculty of Engineering & Technology, Jadavpur University, Kolkata, West Bengal.
- 6 Dr. John Debbarma, Assistant Professor, Department of Mechanical Engineering, NIT, Agartala.
- 7 Dr. D. Bhattacharya, Registrar (in-charge), Member Secretary of FC.

Members of the Building and Works Committee

Sl. No. Name and Designation of the Members

- Prof. (Dr.) Gopal Mugeraya, Director, NIT Agartala (Tripura) Chairman of the BWC.
- The Dy. Director or Dy. Secretary, Department of Higher Education, Ministry of Human Resource Development, Govt. of India.
- The Dean (P&D), NIT Agartala.
- 4 Shri Asit Bhaumik, Addl. Chief Engineer, PWD, Govt. of Tripura.
- 5 Shri Kajal Banik, Executive Engineer, Electrical Inspectorate, Govt. of Tripura.
- 6 Prof. R. P. Sharma, Professor, Civil Engineering Department, NIT Agartala.
- 7 Dr. D. Bhattacharya, Registrar (in-charge), Member Secretary of BWC.

Members of the Senate meeting

Sl. No. Name and Designation of the Members

- Prof. (Dr.) Gopal Mugeraya, Director, NIT Agartala (Tripura), Chairman of the Senate.
- 2 Prof. A. Vasudeva Adhikari, Prof. of Chemistry, NITK, Surathkal.
- 3 Prof. Saji Gopinath, Indian Institute of Management, Kozhikode, Kerala.
- 4 Prof. Subhas Chandra Saha, Professor, NIT Agartala.
- 5 Prof. Umesh Mishra, Professor, NIT Agartala.
- Prof. Monoj Mitra, Prof. of Metallurgy & Dean of Engineering, Jadavpur University.
- 7 Prof. R. P. Sharma, Civil Engineering Department, NIT Agartala (Tripura).
- 8 Dr. D. Bhattacharya, Registrar (in-charge), Member Secretary of the Senate.

3.2 Number of Meetings of the Authorities

During the period under report, the number of meetings held by various authorities are mentioned below:

A. Board of Governors : 4 Nos.
B. Finance Committee Meeting : 2 Nos.
C. Building & Works Committee Meeting : 3 Nos.
D. Senate : 4 Nos.

3.3 Staff Position

3.3.1 Name of Director, Registrar, Deans and HoDs

DIRECTOR : Prof. (Dr.) Gopal Mugeraya.
REGISTRAR (in-charge) : Dr. Debasish Bhattacharya
DY. REGISTRAR (Admn) : Mr. Sumanta Chakraborti

<u>Deans</u>: <u>Name of the Deans</u>

Dean (Academic)
 Dr. Ajoy Kumar Das
 Dean (Faculty Welfare)
 Dr. Ardhendu Saha
 Dean (Planning & Development)
 Dr. Ratul Das

4) Dean (Allumni)
5) Dean (Student Affairs)
6) Dean (Research & Consultancy)
c) Dr. Priyanath Das
d) Dr. Ram Naresh Rai

Heads of the Departments/Schools

Name of the HODs

1) Civil Engineering : Dr. Manish Pal

2) Electrical Engineering
 3) Mechanical Engineering
 3) Dr. Ajoy Chakraborty
 3) Dr. Swapan Bhoumik

4) Computer Science & Engineering : Dr. Mrinal Kanti Debbarma

5) Electronics & Communication Engineering : Mr. Atanu Choudhury

6) Production Engineering : Dr. G. R. K. Sastry

7) Physics : Dr. (Mrs.) Aparna Nath 8) Chemistry : Dr. Tarun Kr. Misra

9) Mathematics : Dr. Uttam Kr. Bera 10) Humanities & Social Science : Dr. Debasis Neogi 11) Chemical Engineering : Dr. Srimanta Ray

12) Electronics & Instrumentation Engineering : Dr. Jayanta Kumar Rakshit

13) Bio Engineering : Dr. Tarun Kanti Bandopadhya

14) School of Management : Dr. Anirban Dutta

Head of Central Services, Facilities and Sections:

Medical Officer : (i) Dr. Tapan Kr. Datta.

(ii) Dr. Dhurjati Debbarma.

(iii) Dr. Parimal Chakraborty.

(iv) Dr. Sushanta Chakma.

Chairman, CCD : Prof. U. Mishra

Senior Librarian : Mr. Kanu Ranjan Roy Chief Warden : Dr. R. K. Yadav

Chief Warden : Dr. R. K. Yadav
Faculty In-charge (Workshop) : Dr. Madhujit Deb
C-DAC Co-ordinator : Sri Nirmalya Kar
Centre Co-ordinator of QIP : Dr. R.S. Panua
Centre Co-ordinator of TEQIP : Dr. Ardhendu Saha

Engineering Unit:

Estate Engineer (Civil) : Sri P. C. Das

3.3.2 List of Faculty Members

3.3.2.1 Regular faculty members

Sl.	Name	Designation	Department	Date of
No.				Joining
1.	Prof. Gopal Mugeraya	Director		10-10-2013
2.	Prof. S. C. Saha	Professor	Mech. Engg.	01-04-2006
3.	Prof. Umesh Mishra	Professor	Civil Engg.	03-10-2008
4.	Prof. Richi Prasad Sharma	Professor	Civil Engg.	01-04-2006
5.	Dr. Swapan Bhowmik	Assoc. Prof.	Mech. Engg.	01-04-2006
6.	Dr. Prasun Chakrabarty	Assoc. Prof.	Mech. Engg.	01-04-2006
7.	Dr. Ajoy Kumar Das	Assoc. Prof.	Mech. Engg.	01-04-2006
8.	Dr. Rajsekhar Panua	Assoc. Prof.	Mech. Engg.	24-05-2010
9.	Dr. G.Ravi Kiran Sastry	Assoc. Prof.	Mech. Engg.	24-04-2012
10.	Dr. Sujit Kumar Pal	Assoc. Prof.	Civil Engg.	01-04-2006
11.	Dr. Manish Pal	Assoc. Prof.	Civil Engg.	01-04-2006
12.	Dr. Ratul Das	Assoc. Prof.	Civil Engg.	01-04-2006
13.	Dr.(Mrs.) Rama Deb Barma	Assoc. Prof.	Civil Engg.	01-04-2006
14.	Dr. Rup Narayan Roy	Assoc. Prof.	Elect. Engg.	01-04-2006
15.	Dr. Ardhendu Saha	Assoc. Prof	Elect. Engg.	01-04-2006
16.	Dr. Priyanath Das	Assoc. Prof.	Elect. Engg.	01-04-2006
17.	Dr. Ajoy Kr. Chakraborty	Assoc. Prof.	Elect. Engg.	15-07-2010
18.	Dr. Diptendu Bhattacharya	Assoc. Prof.	Com. Sc. & Engg.	01-04-2006
19.	Dr. Ram Naresh Rai	Assoc. Prof.	Prod. Engg.	25-06-2010
20.	Dr. Dibyendu Ghoshal	Assoc. Prof.	Electronics & Commu.	29-04-2010
			Engg.	
21.	Dr. Debasish Bhattacharya	Assoc. Prof.	Mathematics	01-04-2006

22.	Dr. Uttam Kr.Bera	Assoc. Prof.	Mathematics	01-09-2010
23.	Dr. Paritosh Bhattacharya	Assoc. Prof.	Mathematics	27-03-2012
24.	Dr. Aparna Nath	Assoc. Prof.	Physics	01-04-2006
25.	Dr. Saroj Kumar Das	Assoc. Prof.	Chemistry	01-04-2006
26.	Dr. Tarun Kumar Mishra	Assoc. Prof.	Chemistry	09-04-2012
27.	Dr. Debasis Neogi	Assoc. Prof.	Hum. & So. Sc.	22-08-2008
28.	Dr. John Deb Barma	Asst. Prof.	Mech. Engg.	01-04-2006
29.	Dr. Prittam Das	Asst. Prof.	Mech. Engg.	01-04-2006
30.	Sri Abhik Majumder	Asst. Prof.	Mech. Engg.	01-04-2006
31.	Dr. Madhujit Deb	Asst. Prof.		01-04-2006
32.			Mech. Engg.	
	Sri Barnik Saha Roy	Asst. Prof.	Mech. Engg.	01-04-2006
33.	Sri Pankaj Kumar Das	Asst. Prof.	Mech. Engg.	01-04-2006
34.	Sri Arindam Majumder	Asst. Prof.	Mech. Engg.	20-04-2010
35.	Dr. Rahul Banerjee	Asst. Prof.	Mech. Engg.	12-04-2010
36.	Sri Ankuran Saha	Asst. Prof.	Mech. Engg.	21-05-2012
37.	Sri R.K. Bhogendra Meitei	Asst. Prof.	Mech. Engg.	29-06-2012
38.	Dr. Ajoy Biswas	Asst. Prof.	Mech. Engg.	01-07-2007
				23-07-2012
39.	Dr. Subrata kumar Ghosh	Asst. Prof.	Mech. Engg.	07-06-2012
40.	Smt. Lipika Haldar	Asst. Prof.	Civil Engg.	01-04-2006
41.	Dr. (Mrs) Sima Ghosh	Asst. Prof.	Civil Engg.	01-04-2006
42.	Dr. Rajib Saha	Asst. Prof.	Civil Engg.	01-04-2006
43.	Sri Gopinandan Dey	Asst. Prof.	Civil Engg.	01-04-2006
44.	Sri Jayanta Pal	Asst. Prof.	Civil Engg.	01-04-2006
45.	Sri Nilotpal Deb Barma	Asst. Prof.	Civil Engg.	01-04-2006
46.	Dr. Tara Sen	Asst. Prof.	Civil Engg.	12-04-2010
47.	Dr. Sanjay Paul	Asst. Prof.	Civil Engg.	24-05-2012
48.	Dr. Animesh Debnath	Asst. Prof.	Civil Engg.	21-06-2012
49.	Sri Sushant Kr. Biswal	Asst. Prof.	Civil Engg.	21-06-2012
50.	Dr. Surajit Das	Asst. Prof.	Civil Engg.	16-05-2012
51.	Sri Dipankar Sarkar	Asst. Prof.	Civil Engg.	01-04-2006
52.	Dr. Debdulal Tripura	Asst. Prof.	Civil Engg.	01-04-2006
53.	Dr. Partha Pratim Sarkar	Asst. Prof.	Civil Engg.	08-09-2008
54.	Smt Anindita Jamatia	Asst. Prof.	Elect. Engg.	01-04-2006
55.	Sri Abaniswar Chakraborti	Asst. Prof.	Elect. Engg.	01-04-2006
56.	Dr. Sumita Deb	Asst. Prof.	Elect. Engg.	01-04-2006
57.	Sri Prabir Ranjan Kasari	Asst. Prof.	Elect. Engg.	01-04-2006
58.	Smt Minakshi Deb Barma	Asst. Prof.	Elect. Engg.	01-04-2006
59.	Sri Bikram Das	Asst. Prof.	Elect. Engg.	01-04-2006
60.	Dr. Subhadeep Bhattacharjee	Asst. Prof.	Elect. Engg.	13-04-2010
61.	Sri Prasenjit Debnath	Asst. Prof.	Elect. Engg.	30-07-2010
62.	Ms. Joyshree Das	Asst. Prof.	Elect. Engg.	11-10-2012
63.	Dr. Aniruddha Bhattacharya	Asst. Prof.	Elect. Engg.	12-12-2012
64.	Dr. Biman Kumar Saha Roy	Asst. Prof.	Elect. Engg.	28-02-2013
65.	Dr. Mrinal Knt. Debbarma	Asst. Prof.	Com. Sc. & Engg.	01-04-2006
05.	Di. Williai Kiit. Deubalilla	Asst. 1101.	Com. Sc. & Engg.	01-04-2000

66.	Dr. Swapan Deb Barma	Asst. Prof.	Com. Sc. & Engg.	01-04-2006
67.	Sri Nikhil Deb Barma	Asst. Prof.	Com. Sc. & Engg.	01-04-2006
68.	Sri Kunal Chakma	Asst. Prof.	Com. Sc. & Engg.	01-04-2006
69.	Smt Smita Das	Asst. Prof.		01-04-2006
70.	Sri Dwijen Rudra Pal		Com. Sc. & Engg.	
	3	Asst. Prof.	Com. Sc. & Engg.	01-04-2006
71.	Sri Suman Deb	Asst. Prof.	Com. Sc. & Engg.	01-04-2006
72.	Sri Anupam Jamatia	Asst. Prof.	Comp. Sc. & Engg.	01-04-2006
73.	Sri Tribid Deb Barma	Asst. Prof.	Comp. Sc. & Engg.	01-04-2006
74.	Sri Nirmalya Kar	Asst. Prof.	Comp. Sc. & Engg.	29-07-2010
75.	Sri Ashim Saha	Asst. Prof.	Comp. Sc. & Engg.	12-10-2012
76.	Sri Manik Bhowmik	Asst. Prof.	Elect. & Comm. Engg.	01-04-2006
77.	Sri Biman Deb Barma	Asst. Prof.	Elect. & Comm. Engg.	01-04-2006
78.	Sri. Kamalesh Debnath	Asst. Prof.	Elect. & Comm. Engg.	12-04-2010
79.	Dr. Sambhu Nath Pradhan	Asst. Prof.	Elect. & Comm. Engg.	28-05-2010
80.	Sri Anirban Bhattacharya	Asst. Prof.	Elect. & Comm. Engg.	21-05-2012
81.	Sri Somnath Roy Choudhury	Asst. Prof.	Elect. & Comm. Engg.	21-05-2012
82.	Mrs. Tamasi Moyra (Panua)	Asst. Prof.	Elect. & Comm. Engg.	13-06-2012
83.	Dr.MadhuparnaChakraborty	Asst. Prof.	Elect. & Comm. Engg.	22-06-2012
84.	Sri Mitra Barun Sarkar	Asst. Prof.	Elect. & Comm. Engg.	15-06-2012
85.	Sri Atanu Chowdhury	Asst. Prof.	Elect. & Inst. Engg.	22-09-2008
86.	Dr. Jayanta Kr. Rakshit	Asst. Prof.	Elect. & Inst. Engg.	23-08-2010
87.	Sri Prasenjit Datta	Asst. Prof.	Prod. Engg.	01-04-2006
88.	Dr. Kishan Choudhuri	Asst. Prof.	Prod. Engg.	18-09-2008
89.	Sri Swarup Paul	Asst. Prof.	Prod. Engg.	20-02-2009
90.	Ms. Seena P.	Asst. Prof.	Prod. Engg.	13-05-2010
91.	Dr. Vidyut Dey	Asst. Prof.	Prod. Engg.	01-06-2012
92.	Dr. Uttam Kumar Mandal	Asst. Prof.	Prod. Engg.	28-05-2012
93.	Mrs. Soma Nag	Asst. Prof.	Chemical Engg.	14-06-2010
94.	Dr. Tarun Knt.	Asst. Prof.	Chemical Engg.	04-05-2012
	Bandyopadhyay			
95.	Dr. Srimanta Ray	Asst. Prof.	Chemical Engg.	04-05-2012
96.	Dr. Kalyan Gayen	Asst. Prof.	Chemical Engg.	04-05-2012
97.	Sri Dwipayan Sen	Asst. Prof.	Chemical Engg.	16-07-2012
98.	Dr. Ajay kumar Manna	Asst. Prof.	Chemical Engg.	17-12-2012
99.	Dr. Apu kumar Saha	Asst. Prof.	Mathematics	01-04-2006
100.	Dr. (Mrs) Baby Bhattacharya	Asst. Prof.	Mathematics	06-02-2009
101.	Dr. Rajesh kr. Yadav	Asst. Prof.	Physics	06-09-2010
102.	Dr. Suvra Prakash Mondal	Asst. Prof.	Physics	01-11-2012
103.	Dr. Biswajit Saha	Asst. Prof.	Physics	30-11-2012
104.	Dr. (Mrs.) Mitali Saha	Asst.Prof.	Chemistry	12-04-2010
105.	Dr. Keisham Surjit Singh	Asst. Prof.	Chemistry	26-07-2010
106.	Dr. Gyanabati Khuraijam	Asst. Prof.	Hum. & Sco. Sc.	07-05-2010
107.	Dr. Anirban Dutta	Asst. Prof.	School of Management	06-11-2012
107.	Dr. Mrinmoy Majumder	Asst. Prof.	Civil Engg.	17-11-2012
100.	Di. Millimoy Majumuci	Asst. 1 101.	Civii Eligg.	17-11-2012

${\bf 3.3.2.2\ Contractual\ faculty\ members.}$

Sl. No.	Name	Designation	Department	Date of Joining
1.	Prof. Bidyut Bhattacharjee	Professor	Elect. & Comm. Engg.	17-01-2013
2.	Ms. Moumita Majumder	Asst. Prof.	Comp. Sc. & Engg.	18-08-2010
3.	Ms. Lalita Kumari	Asst. Prof.	Comp. Sc. & Engg.	18-08-2010
4.	Ms. Sharmistha Majumder	Asst. Prof.	Comp. Sc. & Engg.	24-08-2011
5.	Ms. Priyanka Sarkar	Asst. Prof.	Comp. Sc. & Engg.	01-04-2013
6.	Sri Dhrubajyoti Bhowmik,	Asst. Prof.	Comp. Sc. & Engg.	01-04-2013
7.	Sri Parthasarathi De	Asst. Prof.	Comp. Sc. & Engg.	08-04-2013
8.	Ms. Purbani Kar	Asst. Prof.	Comp. Sc. & Engg.	10-07-2014
9.	Sri Tamal Biswas	Asst. Prof.	Comp. Sc. & Engg.	10-07-2014
10.	Sri Kishore Kr. Dhar	Asst. Prof.	Comp. Sc. & Engg.	10-07-2014
11.	Sri Prashant Bhardwaj	Asst. Prof.	Comp. Sc. & Engg.	10-07-2014
12.	Ms. Tannistha Pal	Asst. Prof.	Comp. Sc. & Engg.	10-07-2014
13.	Sri Sanjib Debnath	Asst. Prof.	Comp. Sc. & Engg.	10-07-2014
14.	Sri Rajib Chowdhuri	Asst. Prof.	Comp. Sc. & Engg.	11-07-2014
15.	Sri Subhajit Deb	Asst. Prof.	Civil Engg.	06-08-2010
16.	Ms. Tillotama Chakraborty	Asst. Prof.	Civil Engg.	30-08-2011
17.	Ms. Nabanita Bhowmik	Asst. Prof.	Civil Engg.	06-12-2012
18.	Sri Abhijit Debnath	Asst. Prof.	Civil Engg.	06-12-2012
19.	Ms. Subhra Das	Asst. Prof.	Civil Engg.	12-12-2012
20.	Sri Dibyendu Paul	Asst. Prof.	Civil Engg.	07-10-2014
21.	Sri Litan Dey	Asst. Prof.	Civil Engg.	17-07-2014
22.	Ms. Sadria Begam	Asst. Prof.	Civil Engg.	14-07-2014
23.	Ms. Dipika Debnath	Asst. Prof.	Civil Engg.	10-10-2014
24.	Sri Chirabrata Debnath	Asst. Prof.	Civil Engg.	14-07-2014
25.	Sri Suman Debnath	Asst. Prof.	Civil Engg.	22-03-2016
26.	Ms. Paramita Majumder	Asst. Prof.	Civil Engg.	21-01-2015
27.	Ms. Nabina Khanam	Asst. Prof.	Civil Engg.	22-01-2015
28.	Sri Ratnadeep Modak	Asst. Prof.	Civil Engg.	21-01-2015
29.	Sri Sukanta Chakraborty	Asst. Prof.	Civil Engg.	07-07-2015
30.	Sri Debashish Karmakar	Asst. Prof.	Civil Engg.	09-03-2016
31.	Sri Bibhab Kr. Lodh	Asst. Prof.	Chemical Engg.	05-08-2011
32.	Dr. Abhijit Mandal	Asst. Prof.	Chemical Engg.	21-01-2013
33.	Dr. Mriganka Sekhar Manna	Asst. Prof.	Chemical Engg.	17-07-2014
34.	Dr. Chandan Kr. Das	Asst. Prof.	Chemical Engg.	14-07-2014
35.	Dr. Sudev Das	Asst. Prof.	Chemical Engg.	11-08-2014
36.	Dr. Susmita Roy	Asst. Prof.	Mathamatics Dept.	01-08-2011
37.	Dr. Debjit Dutta	Asst. Prof.	Mathamatics Dept.	21-07-2014
38.	Dr. Sankar Prasad Mondal	Asst. Prof.	Mathamatics Dept.	22-07-2014
39.	Dr. Ravi Shankar Kumar	Asst. Prof.	Mathamatics Dept.	17-07-2015
40.	Dr. Mantu Das	Asst. Prof.	Mathamatics Dept.	17-07-2014

41.	Dr. Abhijit Baidya	Teaching Asst.	Mathamatics Dept.	23-08-2010
42.	Dr. Jayanta Debnath	Teaching Asst.	Mathamatics Dept.	01-08-2011
43.	Dr. Pinki Majumder	Teaching Asst.	Mathamatics Dept.	01-08-2011
44.	Ms. Jayasree Chakraborty	Teaching Asst.	Mathamatics Dept.	05-09-2012
46.	Ms. Sudipa Choudhury	Teaching Asst.	Mathamatics Dept.	29-07-2015
47.	Dr. Poulomi De	Teaching Asst.	Mathamatics Dept.	13-08-2015
48.	Sri Subharaj Paul	Teaching Asst.	Physics Dept.	01-08-2012
49.	Dr.Rakesh Roy	Asst. Prof.	Physics Dept.	17-07-2013
50.	Dr.Manash Kr.Paul	Asst. Prof.	Physics Dept.	16-07-2010 17-10-2012
51.	Dr.Sanjay Kr.Mandal	Asst.Prof.	Physics Dept.	05-11-2012
52.	Dr.Thingujam Kiranmala Devi	Asst.Prof.	Physics Dept.	21-07-2014
53.	Dr. Nandini Roy	Asst.Prof.	Physics Dept.	23-07-2014
54.	Dr. Biswajit Paul	Asst.Prof.	Physics Dept.	20-07-2015
55.	Dr. Santanu Chakraborty	Asst.Prof.	Physics Dept.	13-07-2015
56.	Sri. Durbadal Debroy	Asst. Prof.	Mech. Engg.	03-08-2011
57.	Sri Aparesh Datta	Asst. Prof.	Mech. Engg.	03-08-2011
58.	Dr. Abhishek Paul	Asst. Prof.	Mech. Engg.	03-08-2011
59.	Dr. Ashis Acharjee	Asst. Prof.	Mech. Engg.	11-07-2014
60.	Ms. Mitali Debnath	Asst. Prof.	Mech. Engg.	14-07-2014
61.	Sri Arindam Sinha	Asst. Prof.	Mech. Engg.	14-07-2014
62.	Ms. Moutoshi Singha Roy	Asst. Prof.	Mech. Engg.	29-07-2015
63.	Dr. Sagnik Pal	Asst. Prof.	Mech. Engg.	30-07-2015
64.	Sri Dipak Ch. Das	Asst. Prof.	Mech. Engg.	30-07-2015
65.	Dr. Joydeep Roy	Asst. Prof.	Mech. Engg.	07-03-2016
66.	Dr. Prasenjit Dey	Asst. Prof.	Mech. Engg.	07-03-2016
67.	Sri Krishanu Gupta	Asst. Prof.	Mech. Engg.	07-03-2016
68.	Ms. Sharmistha Sharma	Asst. Prof.	Elect. Engg.	12-08-2009
69.	Sri Diptanu Das	Asst. Prof.	Elect. Engg.	08-08-2011
70.	Ms. Saheli Roy	Asst. Prof.	Elect. Engg.	12-08-2009
71.	Sri Bhaskar Bhattacharjee	Teaching Asst.	Elect. Engg.	18-03-2009
72.	Ms. Nivedita Laskar	Asst.Prof.	Elect. Engg.	15-11-2012
73.	Sri Diptanu Dey	Asst.Prof.	Elect. Engg.	14-07-2014
74.	Sri Saptadip Saha	Asst.Prof.	Elect. Engg.	11-07-2014
75.	Sri Arup Ratan Bhowmik	Asst.Prof.	Elect. Engg.	11-07-2014
76	Dr. Nabamita Goswami	Asst.Prof.	Elect. Engg.	11-07-2014
77.	Sri Bishop Debbarma	Asst. Prof.	Prod. Engg.	24-08-2010
78.	Sri Sujay Chakraborty	Asst. Prof.	Prod. Engg.	01-08-2011
79.	Ms. Pushparenu Bhattacharjee	Asst. Prof.	Prod. Engg.	08-08-2013
80.	Sri Nabarun Biswas	Asst. Prof.	Prod. Engg.	11-07-2014
81.	Sri Debashis Podder	Asst. Prof.	Prod. Engg.	18-07-2014
82.	Sri Shiladitya Chakraborty	Teaching Asst.	Elect. & Comm. Engg.	25-07-2008

83.	Sri Suvojit Acharjee	Asst. Prof.	Elect. & Comm. Engg.	14-07-2014
84.	Mrs. Priyanka Chowdhury	Asst. Prof.	Elect. & Comm. Engg.	13-08-2014
85.	Ms. Anindita Goswami	Asst. Prof.	Elect. & Comm. Engg.	20-08-2014
86.	Sri Apangshu Das	Asst. Prof.	Elect. & Comm. Engg.	10-08-2012
87.	Sri Abhishek Nag	Asst. Prof.	Elect. & Comm. Engg.	13-07-2015
88.	Sri Partha Kr. Deb	Asst. Prof.	Elect. & Comm. Engg.	02-07-2015
89.	Sri Puspendu Bikash Saha	Asst. Prof.	Elect. & Comm. Engg.	02-07-2015
90.	Dr. Srijita Basumallick	Asst. Prof.	Chemistry Dept.	14-07-2014
91.	Dr. Rajarshi Banik(Roy)	Asst. Prof.	Chemistry Dept.	20-01-2015
92.	Dr.Subojit Das	Asst. Prof.	Chemistry Dept.	24-07-2014
93.	Dr. Jhinuk De	Asst. Prof.	Chemistry Dept.	12-01-2015
94.	Dr. Chitraniva Datta	Asst. Prof.	Chemistry Dept.	03-08-2015
95.	Dr. Sajal Kundu	Asst. Prof.	Chemistry Dept.	29-07-2015
96.	Mr. Mithun Chakraborty	Teaching Asst.	Chemistry Dept.	07-08-2014
97.	Sri Manojit Roy	Teaching Asst.	Chemistry Dept.	07-08-2014
98.	Sri Bidyasagar Debnath	Teaching Asst.	Hum. & So. Sc.	04-08-2008
99.	Dr. Kaju Nath	Asst.Prof.	Hum. & So. Sc.	24-07-2014
100.	Ms. Emily Sharma	Teaching Asst.	Hum. & So. Sc.	01-09-2014
101.	Sri Nabendu Debnath	Teaching Asst.	Hum. & So. Sc.	01-09-2014
102.	Dr. Anuradha Nongmaithem	Asst.Prof.	Hum. & So. Sc.	25-07-2014
103.	Sri Prasenjit Ghorai	Asst.Prof.	Elect. & Instru. Engg.	08-08-2011
104.	Ms. Priyanka Dey	Asst. Prof.	Elect. & Instru. Engg.	13-08-2012
105.	Ms. Priyanka Roy Goswami	Asst. Prof.	Elect. & Instru. Engg.	06-02-2012
106.	Sri Rupam Gupta Roy	Asst. Prof.	Elect. & Instru. Engg.	11-07-2014
107.	Sri Rajesh Sharma	Asst. Prof.	Elect. & Instru. Engg.	21-07-2014
108.	Ms. Pikaso Pal	Asst. Prof.	Elect. & Instru. Engg.	11-07-2014
109.	Ms. Aparupa Kar	Asst. Prof.	Elect. & Instru. Engg.	11-07-2014
110.	Dr. Dijendra Nath Roy	Asst. Prof.	Bio-Engg.	28-01-2013
111.	Dr. Biswanath Bhunia	Asst. Prof.	Bio-Engg.	04-03-2013
112.	Dr. Tridib Kr.Bhowmik	Asst. Prof.	Bio-Engg.	13-06-2013
113.	Dr. Sreerup Banerjee	Asst. Prof.	Bio-Engg.	21-07-2014
114.	Dr. Deeplina Das	Asst. Prof.	Bio-Engg.	21-07-2014
115.	Dr. Abhijit Chatterjee	Asst. Prof.	Bio-Engg.	14-07-2015
116.	Ms. Hrijuta Datta	Asst. Prof.	Bio-Engg.	10-07-2015
117.	Dr. Muthusivarampandian M	Asst. Prof.	Bio-Engg.	10-07-2015
118.	Dr. Rajib Mallik	Asst. Prof.	School of Management	22-05-2013
119.	Dr. Sonit Dutta	Asst. Prof.	School of Management	23-05-2013
120.	Dr. Mili Kar	Asst. Prof.	School of Management	07-08-2013
121.	Dr. Pradeep Kr.Behera	Asst. Prof.	School of Management	21-07-2014
122.	Dr. Amlanbrata Chakraborty	Asst. Prof.	School of Management	21-07-2014

3.3.3 List of employees - other than faculty members

3.3.3.1 Regular non-teaching staff of the institute

Sl.	Name	Designation	Department/	Date of
No.		_	Section	Joining
1.	Mr. Sumanta Chakrabarti	Dy. Registrar	O/o the Registrar	12-08-2011
2.	Mr.Tanmoy Ghoshal	Asst. Registrar (Acad.)		07-09-2012
3.	Sri Suman Karmakar	Technical Assistant	Elect. Engg. Deptt	01-04-2006
4.	Sri Subhankar Chakma	Technical Assistant	Civil Engg. Dept.	01-04-2006
5.	Sri Jyoti Lal Debbarma	Stenographer (SG-II)	O/o the Director	01-04-2006
6.	Sri Sanjoy Deb Rupini	Sr. Assistant	Estt. Sec.	01-04-2006
7.	Sri Tarun Debbarma	Sr. Assistant	Stip. & Scholarship	01-04-2006
8.	Smt. Bakul Debbarma	Sr. Assistant	Estt. Section	01-04-2006
9.	Sri Narayan Ch. Banik	Sr. Assistant	Accounts Section	01-04-2006
10.	Sri Sajal Kr. Dey	Sr. Assistant	Cash Section	01-04-2006
11.	Sri Pradip Kr. Majumder	Jr. Assistant	Academic Section	01-04-2006
12.	Sri Sukhen Saha	Jr. Assistant	Academic Section	01-04-2006
13.	Sri Dhirendra Debnath	Jr. Assistant	Library	01-04-2006
14.	Sri Dilip Kr. Ghosh	Sr. Technician	Workshop	01-04-2006
15.	Sri Sukhendu Debbarma	Sr. Technician	Elect. Engg.	01-04-2006
16.	Sri Nirmal Saha	Attendant (SG-II)	Mech. Engg.	01-04-2006
17.	Sri Bijan ch Debnath	Group - C	Civil Engg.	22-09-1980
18.	Sri Ratan Debnath	Group - C	Directors' Office	22-09-1980
19.	Sri Dhanu Rn.Saha	Group - C	Medical Unit	05-12-1980
20.	Sri Manik Chakraborty	Group - C	Civil Engg.	26-06-1982
21.	Sri Ratan Modi	Group - C	CSE	04-02-1981
22.	Sri Niranjan Ghosh	Group - C	Mech. Engg.	08-12-1980
23.	Sri Jahar Debnath	Group - C	Dean (P&D)	15-09-1987
24.	Smt. Brihalata Debbarma	Group - C	Civil Engg.	06-07-1992
25.	Smt. Uma Saha	Group - C	Exam. Sec.	31-07-1996
26.	Sri Dilip Debbarma	Group - C	Estt. Sec.	22-12-1990
27.	Smt. Sonalaxmi Debbarma	Group - C	Estt. Sec.	04-05-1998
28.	Sri Nepal Debnath	Group - C	Acad. Sec.	14-08-1997
29.	Sri Bishu Debbarma	Group - C	Prod. Engg.	17-05-1999
30.	Smt. Urmila Debbarma	Group - C	Estt. Sec.	18-01-2003

3.3.3.2 List of contractual non-teaching staff of the institute

S1.	Name	Designation	Department/	Date of
No.		_	Section	Joining
1.	Sri Sajal Kr. Ganguly (Retd.)	P.S	O/o the Director	02-06-2008
2.	Sri Bidyut Kr. Ghosh	Jr. Assistant	O/o the Director	12-12-2008
3.	Smt. Shampa Pal (Bhowmik)	Jr. Assistant	O/o the Director	02-02-2010
4.	Sri Nabendra Nath Mukherjee	Admn. Officer	O/o the Registrar	12-03-2010

	(Retd.)			
5.	Sri Tanumoy Paul	Jr. Assistant	O/o the Registrar	19-06-2006
6.	Smt. Sumitra Roy	Jr. Assistant	O/o the Registrar	12-12-2008
7.	Sri Sanjib Debbarma	Helper	O/o the Registrar	15-07-2009
8.	Mrs. Kaninika Banik	Receptionist	O/o the Registrar	11-11-2011
9.	Sri Asit Baran Bhatt. (Retd)	Accounts Offi.	Accts. Section	01-06-2009
10.	Sri Rajesh Kn. Majumder	Accountant	Accts. Section	21-11-2007
11.	Sri Dhruba Lal Banik (Retired)	Accountant	Accts. Section	05-08-2011
12.	Sri Jagat jyoti Roy (Retd.)	AR.(Finance)	Accts. Section	07-01-204
13.	Ms Aparna Nath	Accountant	Accts. Section	18-08-2010
14.	Sri Dulal Ch. Das (Retired)	U.D.C.	Accts. Section	07-05-2007
15.	Sri Kartik Ch. Debnath (Retired)	GrD	Accts. Section	01-05-2007
16.	Sri Manish Dey	Accountant	Accts. Section	03-02-2014
17.	Sri Tapan Kr. Rakshit (Retd.)	Finance Officer	Accts. Section	06-01-2012
18.	Sri Shyamal Purakayastha (Retd.)	Audit Officer	Accts. Section	07-01-2014
19.	Sri Subrata Chakraborty	Audit officer	Accts. Section	05-12-2011
20.	Sri Satya Ranjan Chakraborty	Section Officer	Estt.Section	17-02-2012
	(Retd.)			
21.	Sri Kritisundar Saha	Office Assistant	Estt.Section	01-08-2013
22.	Sri Jadulal Debnath (Retd.)	Sr. Assistant	Estt. Section	02-09-2015
23.	Sri Benimadav Bhowmik (Retd.)	U.D.C.	Estt.Section	03-10-2006
24.	Sri Tapan Debnath (Retd.)	Technician	Estt. Section	10-06-2015
25.	Sri Pradip Rn. Deb (Retd.)	Sr. Assistant	Estt. Section	15-09-2015
26.	Sri Milan Ch. Sarkar (Retd.)	Asst. Reg.	Acad. Section	03-08-2009
27.	Sri Hari Sadhan Sen (Retd.)	Sr. Assistant	Estt. Section	11-09-2015
28.	Sri Kabir Deb	Jr. Assistant	Acad. Section	04-06-2007
29.	Ms. Krishna Rani Deb	Jr. Assistant	Acad. Section	21-06-2011
30.	Ms. Susmita Sharma	Tech.Assistant	Acad. Section	03-09-2014
31.	Sri Sukdeb Chakraborty (Retd.)	Superintendent	Exam. Sec.	01-06-2007
32.	Ms. Payel Sarkar	Sr. Assistant	Exam. Sec.	05-07-2011
33.	Sri Sourav Mahajan	Jr. Assistant	Exam. Sec.	12-12-2008
34.	Sri Himangshu Paul (Retd.)	Section Officer (Pur)	Purchase Section	26-09-2011
35.	Sri Nabin Chandra Kundu	Lib. Asst.	Purchase Section	01-04-2010
36.	Smt. Joydipa Bhattacharya	Jr. Assistant	Purchase Section	01-03-2012
37.	Sri Partha Biswas	Estate Manager	Estate Section	12-12-2008
38.	Sri Jitendra Debnath (Retd.)	Sr. Assistant	Estate Section	03-03-2015
39.	Sri Ajit Saha (Retd.)	Attendant	Estate Section	04-12-2015
40.	Sri Rajesh Kr. Modak (Retd.)	Jr. Engineer	Estate Section	16-09-2011
41.	Sri Nakul Ch. Debnath (Retd.)	Plumber	Estate Section	01-05-2008
42.	Sri Sudhangshu Kr. Bhowmik (Retd.)	Plumber	Estate Section	04-11-2009
43.	Sri Sankar Debbarma	Work Asst.	Estate Section	11-07-2009
44.	Sri Sanjib Chakraborty	Opt (Auditorium	Estate Section Estate Section	27-06-2011
45.	Sri Basab Kanti Bhattacharjee	J. E. (Civil)	Estate Section Estate Section	03-09-2012

47. Sri Pradip Sutradhar Carpenter Estate Section 10-12-2012 48. Sri Biswajit Das Helper Estate Section 10-12-2012 49. Sri Sanjib Sarkar Helper Estate Section 10-12-2012 50. Sri Milan Karmakar Helper Estate Section 10-12-2012 51. Sri Paresh Ch.Das (Retd.) A.E.E. Estate Section 02-08-2013 52. Sri Nanjan Roy Chowdhury A.E.E. Estate Section 02-08-2013 53. Sri Ranjan Roy Chowdhury A.E.E. Estate Section 23-06-2014 54. Sri Dhruba Jyoti Sarkar J.E. Estate Section 23-06-2014 55. Sri Manik Bhownik J.E. Estate Section 23-06-2014 55. Sri Bankim Ch. Pal (Retd.) A.E.E. Estate Section 13-06-2014 58. Sri Bapan Debroy A.E.E. Estate Section 13-06-2014 59. Sri Debu Debnath Work Assistant Estate Section 13-06-2014 60. Sri Rajesh Sarkar J.E.		T	1		1
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50. Sri Milan Karmakar Helper Estate Section 10-12-2012 51. Sri Paresh Ch.Das (Retd.) A.E.E. Estate Section 02-08-2013 52. Sri Narayan Ch.Saha (Retd.) A.E.E. Estate Section 02-08-2013 33. Sri Ranjan Roy Chowdhury A.E.E. Estate Section 02-08-2013 54. Sri Dhruba Iyoti Sarkar J.E. Estate Section 23-06-2014 55. Sri Banik Bhowmik J.E. Estate Section 23-06-2014 56. Sri Rjan Banik J.E. Estate Section 10-07-2014 57. Sri Bapan Debroy A.E.E. Estate Section 13-06-2014 58. Sri Bapan Debroy A.E.E. Estate Section 13-06-2014 60. Sri Debu Debnath Work Assistant Estate Section 13-06-2014 60. Sri Rajish Sarkar J.E. Estate Section 16-12-2014 61. Sri Rajish Surtadhar J.E. Estate Section 17-12-2014 62. Sri Rajishan Debnath J.E. Estate			Helper	Estate Section	10-12-2012
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52. Sri Narayan Ch.Saha (Retd.) A.E.E. Estate Section 02-08-2013 53. Sri Ranjan Roy Chowdhury A.E.E. Estate Section 02-08-2013 54. Sri Dhruba Jyoti Sarkar J.E. Estate Section 23-06-2014 55. Sri Ripan Banik J.E. Estate Section 01-07-2014 56. Sri Ripan Banik J.E. Estate Section 01-07-2014 57. Sri Bankim Ch. Pal (Retd.) A.E.E. Estate Section 13-06-2014 58. Sri Bapan Debroy A.E.E. Estate Section 20-06-2014 59. Sri Debu Debnath Work Assistant Estate Section 13-06-2014 60. Sri Dipanjan Saha J.E. Estate Section 16-12-2014 61. Sri Rajesh Sarkar J.E. Estate Section 16-12-2014 62. Sri Rajkishor Sutradhar J.E. Estate Section 17-12-2014 63. Sri Bimal Krishna Debnath A.E.E. Estate Section 02/09/2010 64. Sri Sumit Debnath J.E. E	50.	Sri Milan Karmakar	Helper	Estate Section	10-12-2012
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56. Sri Ripan Banik J.E. Estate Section 01-07-2014 57. Sri Bankim Ch. Pal (Retd.) A.E.E. Estate Section 13-06-2014 58. Sri Bapan Debroy A.E.E. Estate Section 13-06-2014 59. Sri Debu Debnath Work Assistant Estate Section 13-06-2014 60. Sri Dipanjan Saha J.E. Estate Section 16-12-2014 61. Sri Rajkishor Sutradhar J.E. Estate Section 16-12-2014 62. Sri Rajkishor Sutradhar J.E. Estate Section 17-12-2014 63. Sri Bimal Krishna Debnath A.E.E. Estate Section 05-09-2014 64. Sri Sumit Debnath J.E. Estate Section 09-09-2014 65. Sri Deep Majumder J.E. Estate Section 09-11-2016 66. Sri Hare Krishna Debnath Operator Estate Section 09-11-2016 67. Sri Rajib Chakraborty Helper Estate Section 09-11-2016 68. Sri Rajib Chakraborty Helper <		Sri Dhruba Jyoti Sarkar	J.E.	Estate Section	25-06-2014
57. Sri Bankim Ch. Pal (Retd.) A.E.E. Estate Section 13-06-2014 58. Sri Bapan Debroy A.E.E. Estate Section 20-06-2014 59. Sri Debu Debnath Work Assistant Estate Section 13-06-2014 60. Sri Dipanjan Saha J.E. Estate Section 16-12-2014 61. Sri Rajesh Sarkar J.E. Estate Section 16-12-2014 62. Sri Rajkishor Sutradhar J.E. Estate Section 17-12-2014 63. Sri Bimal Krishna Debnath A.E.E. Estate Section 02/09/2010 64. Sri Sumit Debnath J.E. Estate Section 09-09-2014 65. Sri Deep Majumder J.E. Estate Section 09-09-2014 66. Sri Hare Krishna Debnath Operator Estate Section 09-09-2014 67. Sri Rajib Chakraborty Helper Estate Section 09-11-2010 68. Sri Rajib Chakraborty Helper Estate Section 09-11-2010 69. Sri Chanki Paul Helper E	55.	Sri Manik Bhowmik	J.E.	Estate Section	23-06-2014
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60. Sri Dipanjan Saha J.E. Estate Section 16-12-2014 61. Sri Rajesh Sarkar J.E. Estate Section 16-12-2014 62. Sri Rajkishor Sutradhar J.E. Estate Section 17-12-2014 63. Sri Bimal Krishna Debnath A.E.E. Estate Section 02/09/2016 64. Sri Sumit Debnath J.E. Estate Section 09-09-2014 65. Sri Deep Majumder J.E. Estate Section 08-09-2014 66. Sri Hare Krishna Debnath Operator Estate Section 09-11-2016 67. Sri Rajib Chakraborty Helper Estate Section 09-11-2016 68. Sri Rajib Chakraborty Helper Estate Section 09-11-2016 69. Sri Chanki Paul Helper Estate Section 09-11-2016 70. Sri Pardip Das Electrician Estate Section 09-11-2-2011 71. Sri Arabinda Das Electrician Estate Section 01-12-2011 72. Sri Sujit Debnath Lineman Estate	58.	Sri Bapan Debroy	A.E.E.	Estate Section	20-06-2014
61. Sri Rajesh Sarkar J.E. Estate Section 16-12-2014 62. Sri Rajkishor Sutradhar J.E. Estate Section 17-12-2014 63. Sri Bimal Krishna Debnath A.E.E. Estate Section 02/09/2010 64. Sri Sumit Debnath J.E. Estate Section 05-09-2014 65. Sri Deep Majumder J.E. Estate Section 08-09-2014 66. Sri Hare Krishna Debnath Operator Estate Section 09-11-2016 67. Sri Ranjit Sharma Helper Estate Section 09-11-2016 68. Sri Rajib Chakraborty Helper Estate Section 09-11-2016 69. Sri Chanki Paul Helper Estate Section 09-11-2016 70. Sri Pradip Das Electrician Estate Section 01-12-2011 71. Sri Arabinda Das Electrician Estate Section 01-12-2011 72. Sri Sujit Debnath Lineman Estate Section 01-12-2011 73. Sri Amar Krishna Saha Helper Estate	59.	Sri Debu Debnath	Work Assistant	Estate Section	13-06-2014
62. Sri Rajkishor Sutradhar J.E. Estate Section 17-12-2014 63. Sri Bimal Krishna Debnath A.E.E. Estate Section 02/09/2010 64. Sri Sumit Debnath J.E. Estate Section 05-09-2014 65. Sri Deep Majumder J.E. Estate Section 09-09-2014 66. Sri Hare Krishna Debnath Operator Estate Section 09-11-2010 67. Sri Ranjit Sharma Helper Estate Section 09-11-2010 68. Sri Rajib Chakraborty Helper Estate Section 09-11-2010 69. Sri Chanki Paul Helper Estate Section 09-11-2010 70. Sri Pradip Das Electrician Estate Section 01-12-2011 71. Sri Arabinda Das Electrician Estate Section 01-12-2011 72. Sri Sujit Debnath Lineman Estate Section 01-12-2011 73. Sri Amar Krishna Saha Helper Estate Section 01-12-2011 74. Sri Subir Namasudra Helper Est	60.	Sri Dipanjan Saha	J.E.	Estate Section	16-12-2014
63. Sri Bimal Krishna Debnath A.E.E. Estate Section 02/09/2010 64. Sri Sumit Debnath J.E. Estate Section 05-09-2014 65. Sri Deep Majumder J.E. Estate Section 08-09-2014 66. Sri Hare Krishna Debnath Operator Estate Section 09-11-2016 67. Sri Rajib Charma Helper Estate Section 09-11-2016 68. Sri Rajib Chakraborty Helper Estate Section 09-11-2016 69. Sri Chanki Paul Helper Estate Section 09-11-2016 70. Sri Pradip Das Electrician Estate Section 09-11-2016 71. Sri Arabinda Das Electrician Estate Section 01-12-2011 71. Sri Arabinda Das Electrician Estate Section 01-12-2011 72. Sri Sujit Debnath Lineman Estate Section 01-12-2011 73. Sri Amar Krishna Saha Helper Estate Section 01-12-2011 74. Sri Pabitra Shil Electrician Es	61.	Sri Rajesh Sarkar	J.E.	Estate Section	16-12-2014
64.Sri Sumit DebnathJ.E.Estate Section05-09-201465.Sri Deep MajumderJ.E.Estate Section08-09-201466.Sri Hare Krishna DebnathOperatorEstate Section09-11-201067.Sri Ranjit SharmaHelperEstate Section09-11-201068.Sri Rajib ChakrabortyHelperEstate Section09-11-201069.Sri Chanki PaulHelperEstate Section00-11-2-01070.Sri Pradip DasElectricianEstate Section01-12-201171.Sri Arabinda DasElectricianEstate Section01-12-201172.Sri Sujit DebnathLinemanEstate Section01-12-201173.Sri Amar Krishna SahaHelperEstate Section01-12-201174.Sri Subir NamasudraHelperEstate Section01-12-201175.Sri Pabitra ShilElectricianEstate Section08-08-201276.Sri Krishan DebnathLinemanEstate Section08-08-201277.Sri Krishna Ch. SahaLinemanEstate Section03-08-201278.Sri Uttam Kr.DebnathLinemanEstate Section03-08-201280.Sri Biswajit DebnathHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484. <td>62.</td> <td>Sri Rajkishor Sutradhar</td> <td>J.E.</td> <td>Estate Section</td> <td>17-12-2014</td>	62.	Sri Rajkishor Sutradhar	J.E.	Estate Section	17-12-2014
65.Sri Deep MajumderJ.E.Estate Section08-09-201466.Sri Hare Krishna DebnathOperatorEstate Section09-11-201067.Sri Ranjit SharmaHelperEstate Section09-11-201068.Sri Rajib ChakrabortyHelperEstate Section09-11-201069.Sri Chanki PaulHelperEstate Section09-11-201070.Sri Pradip DasElectricianEstate Section001-12-201171.Sri Arabinda DasElectricianEstate Section01-12-201172.Sri Sujit DebnathLinemanEstate Section01-12-201173.Sri Amar Krishna SahaHelperEstate Section01-12-201174.Sri Subir NamasudraHelperEstate Section01-12-201175.Sri Pabitra ShilElectricianEstate Section08-08-201276.Sri Krishan DebnathLinemanEstate Section02-08-201277.Sri Krishan Ch. SahaLinemanEstate Section03-08-201278.Sri Uttam Kr.DebnathLinemanEstate Section03-08-201280.Sri Biswajit DebbarmaHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-07-2010 <td< td=""><td>63.</td><td>Sri Bimal Krishna Debnath</td><td>A.E.E.</td><td>Estate Section</td><td>02/09/2010</td></td<>	63.	Sri Bimal Krishna Debnath	A.E.E.	Estate Section	02/09/2010
66.Sri Hare Krishna DebnathOperatorEstate Section09-11-201067.Sri Ranjit SharmaHelperEstate Section09-11-201068.Sri Rajib ChakrabortyHelperEstate Section09-11-201069.Sri Chanki PaulHelperEstate Section09-11-201070.Sri Pradip DasElectricianEstate Section01-12-201171.Sri Arabinda DasElectricianEstate Section01-12-201172.Sri Sujit DebnathLinemanEstate Section01-12-201173.Sri Amar Krishna SahaHelperEstate Section01-12-201174.Sri Subir NamasudraHelperEstate Section01-12-201175.Sri Pabitra ShilElectricianEstate Section08-08-201276.Sri Krishan DebnathLinemanEstate Section02-08-201277.Sri Krishna Ch. SahaLinemanEstate Section03-08-201278.Sri Uttam Kr.DebnathLinemanEstate Section07-08-201279.Sri Parimal DebnathHelperEstate Section03-08-201280.Sri Biswajit DebbarmaHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Debanjan BhattacharjeeTraining & Training & Placement Astt.TPO	64.	Sri Sumit Debnath	J.E.	Estate Section	05-09-2014
67.Sri Ranjit SharmaHelperEstate Section09-11-201068.Sri Rajib ChakrabortyHelperEstate Section09-11-201069.Sri Chanki PaulHelperEstate Section09-11-201070.Sri Pradip DasElectricianEstate Section01-12-201171.Sri Arabinda DasElectricianEstate Section01-12-201172.Sri Sujit DebnathLinemanEstate Section01-12-201173.Sri Amar Krishna SahaHelperEstate Section01-12-201174.Sri Subir NamasudraHelperEstate Section01-12-201175.Sri Pabitra ShilElectricianEstate Section08-08-201276.Sri Krishan DebnathLinemanEstate Section02-08-201277.Sri Krishna Ch. SahaLinemanEstate Section03-08-201278.Sri Uttam Kr.DebnathLinemanEstate Section07-08-201279.Sri Parimal DebnathHelperEstate Section03-08-201280.Sri Biswajit DebbarmaHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086. <t< td=""><td>65.</td><td>Sri Deep Majumder</td><td>J.E.</td><td>Estate Section</td><td>08-09-2014</td></t<>	65.	Sri Deep Majumder	J.E.	Estate Section	08-09-2014
68. Sri Rajib Chakraborty Helper Estate Section 09-11-2010 69. Sri Chanki Paul Helper Estate Section 09-11-2010 70. Sri Pradip Das Electrician Estate Section 01-12-2011 71. Sri Arabinda Das Electrician Estate Section 01-12-2011 72. Sri Sujit Debnath Lineman Estate Section 01-12-2011 73. Sri Amar Krishna Saha Helper Estate Section 01-12-2011 74. Sri Subir Namasudra Helper Estate Section 01-12-2011 75. Sri Pabitra Shil Electrician Estate Section 08-08-2012 76. Sri Krishan Debnath Lineman Estate Section 02-08-2012 77. Sri Krishna Ch. Saha Lineman Estate Section 03-08-2012 78. Sri Uttam Kr. Debnath Lineman Estate Section 07-08-2012 80. Sri Biswajit Debnath Helper Estate Section 03-08-2012 81. Sri Rajib Deb Helper Estat	66.	Sri Hare Krishna Debnath	Operator	Estate Section	09-11-2010
69. Sri Chanki Paul Helper Estate Section 09-11-2010 70. Sri Pradip Das Electrician Estate Section 01-12-2011 71. Sri Arabinda Das Electrician Estate Section 01-12-2011 72. Sri Sujit Debnath Lineman Estate Section 01-12-2011 73. Sri Amar Krishna Saha Helper Estate Section 01-12-2011 74. Sri Subir Namasudra Helper Estate Section 01-12-2011 75. Sri Pabitra Shil Electrician Estate Section 08-08-2012 76. Sri Krishan Debnath Lineman Estate Section 02-08-2012 77. Sri Krishna Ch. Saha Lineman Estate Section 03-08-2012 78. Sri Uttam Kr.Debnath Lineman Estate Section 07-08-2012 79. Sri Parimal Debnath Helper Estate Section 03-08-2012 80. Sri Biswajit Debbarma Helper Estate Section 03-08-2012 81. Sri Rajib Deb Helper Estate	67.	Sri Ranjit Sharma	Helper	Estate Section	09-11-2010
70. Sri Pradip Das Electrician Estate Section 01-12-2011 71. Sri Arabinda Das Electrician Estate Section 01-12-2011 72. Sri Sujit Debnath Lineman Estate Section 01-12-2011 73. Sri Amar Krishna Saha Helper Estate Section 01-12-2011 74. Sri Subir Namasudra Helper Estate Section 01-12-2011 75. Sri Pabitra Shil Electrician Estate Section 01-12-2011 75. Sri Pabitra Shil Electrician Estate Section 08-08-2012 76. Sri Krishan Debnath Lineman Estate Section 02-08-2012 77. Sri Krishan Ch. Saha Lineman Estate Section 03-08-2012 78. Sri Uttam Kr.Debnath Lineman Estate Section 07-08-2012 79. Sri Parimal Debnath Helper Estate Section 03-08-2012 80. Sri Biswajit Debarma Helper Estate Section 16-06-2014 81. Sri Kamal Charan Debnath Supervisor	68.	Sri Rajib Chakraborty	Helper	Estate Section	09-11-2010
71.Sri Arabinda DasElectricianEstate Section01-12-201172.Sri Sujit DebnathLinemanEstate Section01-12-201173.Sri Amar Krishna SahaHelperEstate Section01-12-201174.Sri Subir NamasudraHelperEstate Section01-12-201175.Sri Pabitra ShilElectricianEstate Section08-08-201276.Sri Krishan DebnathLinemanEstate Section02-08-201277.Sri Krishan Ch. SahaLinemanEstate Section03-08-201278.Sri Uttam Kr. DebnathLinemanEstate Section07-08-201279.Sri Parimal DebnathHelperEstate Section03-08-201280.Sri Biswajit DebbarmaHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO16-07-201087.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	69.	Sri Chanki Paul	Helper	Estate Section	09-11-2010
72.Sri Sujit DebnathLinemanEstate Section01-12-201173.Sri Amar Krishna SahaHelperEstate Section01-12-201174.Sri Subir NamasudraHelperEstate Section01-12-201175.Sri Pabitra ShilElectricianEstate Section08-08-201276.Sri Krishan DebnathLinemanEstate Section02-08-201277.Sri Krishna Ch. SahaLinemanEstate Section03-08-201278.Sri Uttam Kr.DebnathLinemanEstate Section07-08-201279.Sri Parimal DebnathHelperEstate Section03-08-201280.Sri Biswajit DebbarmaHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO16-07-201087.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	70.	Sri Pradip Das	Electrician	Estate Section	01-12-2011
73.Sri Amar Krishna SahaHelperEstate Section01-12-201174.Sri Subir NamasudraHelperEstate Section01-12-201175.Sri Pabitra ShilElectricianEstate Section08-08-201276.Sri Krishan DebnathLinemanEstate Section02-08-201277.Sri Krishna Ch. SahaLinemanEstate Section03-08-201278.Sri Uttam Kr. DebnathLinemanEstate Section07-08-201279.Sri Parimal DebnathHelperEstate Section03-08-201280.Sri Biswajit DebbarmaHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & Placement Astt.TPO02-09-201487.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	71.	Sri Arabinda Das	Electrician	Estate Section	01-12-2011
74.Sri Subir NamasudraHelperEstate Section01-12-201175.Sri Pabitra ShilElectricianEstate Section08-08-201276.Sri Krishan DebnathLinemanEstate Section02-08-201277.Sri Krishna Ch. SahaLinemanEstate Section03-08-201278.Sri Uttam Kr.DebnathLinemanEstate Section07-08-201279.Sri Parimal DebnathHelperEstate Section03-08-201280.Sri Biswajit DebbarmaHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO16-07-201087.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	72.	Sri Sujit Debnath	Lineman	Estate Section	01-12-2011
75.Sri Pabitra ShilElectricianEstate Section08-08-201276.Sri Krishan DebnathLinemanEstate Section02-08-201277.Sri Krishna Ch. SahaLinemanEstate Section03-08-201278.Sri Uttam Kr.DebnathLinemanEstate Section07-08-201279.Sri Parimal DebnathHelperEstate Section03-08-201280.Sri Biswajit DebbarmaHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO16-07-201087.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	73.	Sri Amar Krishna Saha	Helper	Estate Section	01-12-2011
76.Sri Krishan DebnathLinemanEstate Section02-08-201277.Sri Krishna Ch. SahaLinemanEstate Section03-08-201278.Sri Uttam Kr.DebnathLinemanEstate Section07-08-201279.Sri Parimal DebnathHelperEstate Section03-08-201280.Sri Biswajit DebbarmaHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO02-09-201487.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	74.	Sri Subir Namasudra	Helper	Estate Section	01-12-2011
77.Sri Krishna Ch. SahaLinemanEstate Section03-08-201278.Sri Uttam Kr.DebnathLinemanEstate Section07-08-201279.Sri Parimal DebnathHelperEstate Section03-08-201280.Sri Biswajit DebbarmaHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO02-09-201487.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	75.	Sri Pabitra Shil	Electrician	Estate Section	08-08-2012
78.Sri Uttam Kr.DebnathLinemanEstate Section07-08-201279.Sri Parimal DebnathHelperEstate Section03-08-201280.Sri Biswajit DebbarmaHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO02-09-201487.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	76.	Sri Krishan Debnath	Lineman	Estate Section	02-08-2012
79.Sri Parimal DebnathHelperEstate Section03-08-201280.Sri Biswajit DebbarmaHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO02-09-201487.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	77.	Sri Krishna Ch. Saha	Lineman	Estate Section	03-08-2012
80.Sri Biswajit DebbarmaHelperEstate Section03-08-201281.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO02-09-201487.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	78.	Sri Uttam Kr.Debnath		Estate Section	07-08-2012
81.Sri Rajib DebHelperEstate Section16-06-201482.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO02-09-201487.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	79.	Sri Parimal Debnath	Helper	Estate Section	03-08-2012
82.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO02-09-201487.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	80.	Sri Biswajit Debbarma	Helper	Estate Section	03-08-2012
82.Sri Kamal Charan DebnathSupervisorEstate Section16-06-201483.Sri Matilal TantiOperatorEstate Section16-06-201484.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO02-09-201487.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	81.	Sri Rajib Deb	Helper	Estate Section	16-06-2014
84.Sri Manitosh SarkarOperatorEstate Section16-06-201485.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO02-09-2014Placement Astt.87.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	82.	Sri Kamal Charan Debnath	Supervisor		16-06-2014
85.Sri Litan SarkarJr. AssistantTPO16-07-201086.Sri Debanjan BhattacharjeeTraining & TPO02-09-201487.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	83.	Sri Matilal Tanti	Operator	Estate Section	16-06-2014
86.Sri Debanjan BhattacharjeeTraining & Placement Astt.TPO02-09-201487.Sri Dyanojyoti KarAccountantTPO15-09-201588.Sri Sukanta GoswamiJr. AssistantDean (FW)19-12-2008	84.	Sri Manitosh Sarkar	Operator	Estate Section	16-06-2014
Placement Astt. 87. Sri Dyanojyoti Kar Accountant TPO 15-09-2015 88. Sri Sukanta Goswami Jr. Assistant Dean (FW) 19-12-2008	85.	Sri Litan Sarkar	Jr. Assistant	TPO	16-07-2010
Placement Astt. 87. Sri Dyanojyoti Kar Accountant TPO 15-09-2015 88. Sri Sukanta Goswami Jr. Assistant Dean (FW) 19-12-2008		Sri Debanjan Bhattacharjee		TPO	02-09-2014
88. Sri Sukanta Goswami Jr. Assistant Dean (FW) 19-12-2008			_		
	87.	Sri Dyanojyoti Kar	Accountant	TPO	15-09-2015
80 Sri Kanu Panjan Poy (Patd.) Sr. Librarian Library 01 00 2000	88.	Sri Sukanta Goswami	Jr. Assistant	Dean (FW)	19-12-2008
65. SII Kanu Kanjan Koy (Ketu.) SI. Librarian. Library 01-09-2009	89.	Sri Kanu Ranjan Roy (Retd.)	Sr. Librarian.	Library	01-09-2009

90.	Sri Shymal Kanti Deb (Retd.)	Librarian	Library	01-06-2007
91.	Sri Anirban Sharma Roy	Lib. Asst.	Library	30-01-2012
92.	Sri Dipankar Das	Jr. Assistant	Library	18-12-2008
93.	Sri Govinda Chandra Shil (Retd.)	Jr. Assistant	Library	13-04-2010
94.	Ms. Atrayee Podder	Library Asst.	Library	30-01-2012
95.		•	•	
96.	Sri Bidyut Choudhuri	Library Asst.	Library	14-09-2015
	Ms. Purnima Singha	Library Asst.	Library	14-09-2015
97.	Ms. Rupa Debnath	Library Asst.	Library	24-09-2015
98.	Ms. Jayeeta Paul	Library Asst.	AA & IR Section	14-10-2015
99.	Sri Anupam Pal	Sports Officer	Dean (SW)	16-08-2007
100.	Sri Sukanta Ghoswami	Phy. Edu. Off.	Dean (SW)	16-08-2007
101.	Ms.Rumita Saha	Hostel Super.	Dean (SW)	01-08-2012
102.	Ms. Mahuya Biswas	Hostel Super.	Dean (SW)	10-02-2010
103.	Sri Ajoy Bhowmik	Hostel Super.	Dean (SW)	16-02-2010
104.	Sri Rabindra Das	Hostel Super.	Dean (SW)	10-02-2010
105.	Sri Sukrit Prasad Dutta	Hostel Super.	Dean (SW)	30-07-2012
106.	Sri Satyajit Das	Hostel Super.	Dean (SW)	30-07-2012
107.	Sri Sanjoy Ghosh	Hostel Super.	Dean (SW)	05-09-2014
108.	Sri Subrata Ghosh	Hostel Super.	Dean (SW)	05-09-2014
109.	Sri Prasanta Rn. Deb	Hostel Super.	Dean (SW)	08-07-2015
110.	Sri Debashish Biswas	Foreman	Workshop	04-08-2008
111.	Sri Manojit Das	Foreman	Workshop	18-09-2008
112.	Sri Koushik Debroy	Foreman	Workshop	01-01-2009
113.	Sri Debabrata Sen (Retd.)	Head Ins.	Workshop	01-01-2008
114.	Sri Arup taru Roy	Instructor	Workshop	19-08-2009
115.	Sri Ranju Kr. Singh	Instructor	Workshop	19-08-2009
116.	Sri Biswajit Debnath	Instructor	Workshop	19-08-2009
117.	Sri Jiban Chandra (Retd.)	Sr. Engine Opt.	Workshop	19-03-2012
118.	Sri Basudeb Banik	Tech.	Workshop	22-12-2008
119.	Sri Sujit Kumar Bhowmik	Skilled Asst.	Workshop	18-09-2008
120.	Sri Shubendu Debbarma	Jr. Tech.	Workshop	19-08-2009
121.	Sri Nikhil Ch. Karmakar (Retd.)	GrD	Workshop	01-06-2007
122.	Sri Kishore Das	Lab. Asst.	Mech. Engg.	25-08-2010
123.	Sri Pinku Saha	Lab. Asst.	Mech. Engg.	26-08-2010
124.	Sri Bishnupada Das	Driver	Workshop	19-11-2008
125.	Sri Babul Ch. Deb	Driver	Workshop	16-07-2009
126.	Sri Gopal Ch. Das	Driver	Workshop	16-07-2009
127.	Sri Sajal Saha	Driver	Workshop	01-02-2011
128.	Sri Sachindra Ch. Das (Retd.)	Gr. D	Mech. Engg.	01-02-2009
129.	Sri Gautam Acharjee	Technician	Mech. Engg.	28-07-2015
130.	Sri Gobinda Ch. Das (Retd.)	Technician	Mech. Engg.	27-07-2015
131.	Sri Subrajit Sen	Technical Asst.	Mech. Engg.	27-07-2015
132.	Sri Sandipan Deb	Technical Asst.	Mech. Engg.	28-07-2015
133.	Sri Prasenjit Majumder	Technical Asst.	Mech. Engg.	28-07-2015
134.	Sri Abhijit Giri	Technical Asstt	Civil Engg.	13-08-2010
131,	on nonjit on	1 common 1 toott	C1711 E1155.	15 00 2010

135.	Sri Suman Nandi	Lab. Asst.	Civil Enga	10-08-2010
136.			Civil Engg.	
130.	Ms Manisha Deb Sri Prasenjit Dutta	Lab. Asst. Technical Asstt	Civil Engg.	13-08-2010
	Sri Sankar Banik		Civil Engg.	06-12-2012
138. 139.	Sri Uddhab Ch.Nath	Technical Asstt Technical Asstt	Civil Engg.	13-12-2012
			Civil Engg.	28-07-2015
140.	Sri Riman Bhowmik	Technician	Civil Engg.	28-07-2015
141.	Sri Pramod Pal	Instructor	Prod. Engg.	04-09-2009
142.	Sri Biswanath Karmakar	Jr. Tech	Prod. Engg.	04-09-2009
143.	Sri.Raju Singha	Technical Asst.	Prod. Engg.	08-09-2014
144.	Sri Sukanta Das	Technical Asst.	Prod. Engg.	08-09-2014
145.	Sri Vishal Paul	Technician	Prod. Engg.	08-09-2014
146.	Sri Prasenjit Debnath	Technician	Prod. Engg.	08-09-2014
147.	Sri Subhan Ch. Deb (Retd.)	Attendant	Prod. Engg.	15-02-2016
148.	Smt. Sima Das	Sr. Ins.	Elect. Engg.	19-08-2009
149.	Smt. Tapa Saha	Tech.Supp. Staff	Elect. Engg.	25-07-2008
150.	Sri Kabir Bhowmik	Sr. Ins.	Elect. Engg.	19-08-2009
151.	Sri Ajit Deb	Lab. Tech	Elect. Engg.	19-08-2009
152.	Sri Debabrata Bhattacharya	Technical Asstt	Elect. Engg.	09-08-2010
153.	Sri Jayanta Chowdhury	Technical Asstt	Elect. Engg.	10-07-2012
154.	Sri Pranab Majumder	Technical Asstt	Elect. Engg.	16-07-2012
155.	Sri Debanjan Nag	Technical Asst.	Elect. Engg.	28-07-2015
156.	Ms. Sudipa Aine	Technical Asst.	Elect. Engg.	30-07-2015
157.	Sri Subal Das	Technical Asst.	Elect. Engg.	31-07-2015
158.	Sri Balaram Das	Technical Asst.	Elect. Engg.	30-07-2015
159.	Sri Rajkishore Ghosh (Retd.)	Attendant	Elect. Engg.	01-08-2016
160.	Sri Suman Shil	Technician	Elect. Engg.	
161.	Sri Kamal Kn. Pal	System Admin.	CSE Deptt.	15-12-2008
162.	Sri Pattha Sarathi Bhattacharjee	Network Admin.	CSE Deptt.	15-09-2011
163.	Sri Suman Saha	Lab / Tech Asst.	CSE Deptt	09-08-2010
164.	Sri Viki Datta	Lab / Tech Asst.	CSE Deptt.	14-09-2011
165.	Sri Malay Paul	Lab / Tech Asst.	CSE Deptt.	13-03-2012
166.	Sri Saikat Bhattacharjee	Lab / Tech Asst.	CSE Deptt.	29-07-2015
167.	Sri Sanjoy Podder	Lab / Tech Asst.	CSE Deptt.	29-07-2015
168.	Sri Dhurjati Chakraborty	Lab / Tech Asst.	CSE Deptt.	29-07-2015
169.	Sri Joydip Deb	Lab / Tech Asst.	CSE Deptt.	29-07-2015
170.	Sri Rabindra Ch. Das (Retd.)	Gr. D	CSE Deptt.	20-04-2009
171.	Sri Dhruba Narayan Das	Technical Asst.	Chemical Engg.	09-08-2010
172.	Sri Dipankar Goswami	Technical Asstt	Chemical Engg.	06-09-2011
173.	Sri Joydeep Das	Technical Asst.	Chemical Engg.	28-07-2015
174.	Sri Kaushik Das	Technical Asst.	Chemical Engg.	28-07-2015
175.	Sri Mrinmoy Sarma	Technical Asst.	Chemical Engg.	28-07-2015
176.	Sri Jitendra Debbarma	Technician	Chemical Engg.	28-07-2015
177.	Sri Samir Debbarma	Technician	Chemical Engg.	28-07-2015
178.	Ms. Sangita Patari	Lab. Asstt	Physics	22-09-2011
179.	Sri Pijush kn. Datta (Retd.)	Lab. Asstt	Physics	03-08-2009
1/2.	on rijusii kii. Datta (Ketti.)	Lau. Assu	1 Hysics	03-00-2009

				T
180.	Mrs.Madhuri Debnath	Lab. Asstt	Physics	17-07-2013
181.	Mr. Krishna Deb	Lab. Asstt	Physics	17-07-2013
182.	Sri Sarit Chakraborty	Lab. Asstt	Physics	29-07-2015
183.	Sri Rajesh Debnath	Lab. Asstt	Physics	29-07-2015
184.	Sri Dulal Chakraborty (Retd.)	Group – D	Chemistry	01-01-2011
185.	Sri Satyajit Ghosh	Lab,Asst.	Chemistry	07-09-2012
186.	Sri Sudip Paul	Lab,Asst.	Chemistry	31-07-2015
187.	Sri Himadri Paul	Lab,Asst.	Chemistry	29-07-2015
188.	Ms. Poulami Ghosh	Tech. Asst.	ECE	09-12-2011
189.	Sri Dipesh Debnath	Technician	ECE	02-01-2012
190.	Sri Abhijit Chakraborty	Technical Asst.	ECE	10-08-2010
191.	Sri Jagadish Ch. Bhowmik (Retd)	Technician	ECE	25-07-2014
192.	Sri Badal Debnath	Technical Asst.	ECE	27-07-2015
193.	Sri Arindam Debnath	Technical Asst.	ECE	27-07-2015
194.	Mrs. Poulomi Dey	Technical Asst.	ECE	27-07-2015
195.	Sri Raju Majumder	Technical Asst.	ECE	27-07-2015
196.	Sri Sanjib Das	Technician	ECE	27-07-2015
197.	Sri Nirmal Sarkar	Technician	ECE	27-07-2015
198.	Sri Alvin Debbarma	Technical Asst.	ECE	27-07-2015
199.	Sri Anjan Das	Technical Asst.	EIE	06-02-2012
200.	Ms.Sunam Jannat	Lab. Technician	EIE	14-08-2012
201.	Sri Samir Rajuyar	Technician	EIE	28-07-2015
202.	Sri Paban Sarkar	Technical Asst.	EIE	21-09-2015
203.	Dr. Tapan Kr. Datta (Retd.)	Medical Off.	Medical Unit	22-01-2009
204.	Dr. Parimal Chakraborty (Retd.)	Medical Off.	Medical Unit	01-02-2012
205.	Dr. Amal Kumar Sinha (Retd.)	Medical Off.	Medical Unit	12-12-2013
206.	Dr.Sushanta Chakma	Medical Off.	Medical Unit	19-03-2015
207.	Sri Rajesh Karmakar	Pharmacist	Medical Unit	17-04-2008
208.	Ms.Supriya Das	Pharmacist	Medical Unit	27-09-2012
209.	Sri Dipen Majumder	Technician	Medical Unit	22-12-2008
210.	Ms. Sabita Biswas	Staff Nurse	Medical Unit	12-12-2013
211.	Ms.Chayanika Das	Lab.Technician	Medical Unit	06-01-2014
212.	Md. Ismail Hussain	Lab.Tech.	Medical Unit	07-01-2014
213.	Mr.Rajat Saha	GDA cum Dresser	Medical Unit	04-03-2015
214.	Sri Dipak Kr. Pal	Security Officer	Admn.	19-08-2011
215.	Sri Sanjit Debbarma	Helper	Guest House	15-07-2009
216.	Sri Suman Rudra Pal	Off. Asst.	Dean (P&D)	19-08-2008
217.	Mrs. Sanju Debnath	Draftsman	Dean (P&D)	12-12-2008
218.	Smt. Sulekha Sarkar	Cook	Transit House	06-05-2011
219.	Sri Bappi Das	Helper/Cook	Transit House	01-02-2011
220.	Sri Ritabrata Roy	Technical Asst.	Hyd. Info. Engg.	02-08-2012
221.	Ms.Subhra Chowdhury	Technical Asst.	Bio-Engg.	24-12-2012
222.			Bio-Engg.	03-08-2015
223.	Sri V.C.Mathai	Technical Asst.	MHRD	12-11-2009
	511	1001111001111001.	1,11111	12 11 2007

224.	Sri Sourabh Roy	Tech. Asst.	Virtual Class	14-03-2014
			Room	
225.	Sri Ratan Majumder	Accts. Asst.	TEQIP	10-12-2012
		(TEQIP)		
226.	Ms.Baishakhi Saha	Tech. Support	MIS Opt.	20-05-2013
		Staff		
227.	Sri Sujoy Dey	Office Assistant	TEQIP	16-06-2014
228.	Sri Pramathesh Banik	Asst. Prog.	MIS Section	03-11-2014
		(Tech)		
229.	Sri Sandanlal Saha	Cook-cum-		
		Caretaker		

3.3.3.3 List of Retired/Expired Faculty/ Staff Members

S1.	Name	Designation	Department	Date of Expire/ retire
No.				
1.	Sri Satya Ranjan Saha	Group-D		30-11-2008
2.	Sri Sachindra Ch.Das	Group-D		31-01-2009
3.	Sri Kerali Ch.Das	Group-D		31-03-2009
4.	Sri Rabindra Ch.Das	Group-D		31-03-2009
5.	Sri Ananta Chakraborty	Group-D		31-01-2010
6.	Dr. N.C. Paul	Associate Prof.		12-10-2009 (Expired)
7.	Sri Dulal Chakraborty	Group-D		30-11-2010
8.	Smt. Sabitri Debbarma	Group-D		28-06-2011(Expired)
9.	Sri Jiban Chandra	Sr. Operator		31-01-2012
10.	Sri Adalat Harizan	Group – C		30-06-2012
11.	Sri Nirmal Ch. Das	Group-C		20-07-2012 (Expired)
12.	Sri Ajit Debbarma	Group – C		31-01-2014
13.	Sri Ashis Sarkar	Asst. Prof.	Mech. Engg.	14-02-2014
14.	Smt. Prembala Debnath	Group-C		31-02-2014
15.	Sri Bhusan Sarkar	Group – C		31-01-2015
16.	Smt. Mana Rani Das	Group-C		31-01-2015
17.	Sri Jitendra Debnath	Sr. Asst.		28-02-2015
18.	Sri Tapan Debnath	Technician	Estt.Section	31-05-2015
19.	Sri Jadulal Debnath	Assistant (SG-I)	Estt.Section	31-08-2015
20.	Sri Sobhan Ch.Deb	Group – C	Prod. Engg.	31-01- 2016
21.	Sri Ajit Saha	Group-C	Estt. Section	30-11-2015

3.4 RTI and Vigilance Cell:

The Institute has an RTI Cell under the Appellate Authority of the Director, NIT Agartala. Dr. Debasis Neogi is the Central Public Information Officer. Dr. Paritosh Bhattacharya is CVO (Chief Vigilance Officer) of the Institute.

4.0 ACADEMIC PROGRAMMES AND AWARD OF DEGREES

4.1 Introduction:

The Institute (i.e. erstwhile Tripura Engineering College) was established in 1965 with three branches in UG level viz Civil, Electrical and Mechanical Engineering. It was initially affiliated to Calcutta University and had the same curriculum structure and examination system of Bengal Engineering College, like other institutes affiliated to the University. After the establishment of Tripura University, the institute got affiliated to the new Tripura University. Degree course in Computer Science & Engineering was started from the academic session 1999-2000. Three new branches viz. Electrical & Electronics Engineering (now Electronics & Communication Engineering), Production Engineering and Civil &Transportation Engineering were introduced in this Institute during 2005-2006 session. Two more new courses viz. Electronics & Instrumentation and Chemical Engineering were also introduced in undergraduate level from the Academic Session 2010-11. From the Academic Session 2012-13 Bio Engineering at the undergraduate level has been started in the Institute.

The Institute is administered by the Director of the Institute under the direct supervision of the Board of Governors (BoG) of the Institute, headed by the Chairman as the Institute is registered under Societies Registration Act, 1860. The policies of academic activity are determined by the SENATE of the Institute with prior approval of the Board of Governors (BoG) and implemented through Dean(Academic). The Planning and Development of the institute are implemented through Dean (P&D). All the student related affairs are looked after by the Dean (SW). The Registrar of the Institute is the custodian of all records of the Institute. All administrative order/notifications are issued by the Registrar. The Registrar is responsible to the Director for proper implementation of all the policies of the Institute.

The Institute has taken up development programmes in a massive scale. These development activities have been going on for the last 9 years. The developmental works include modernization of the Laboratories, augmentation of computer facilities, modernization of Library, construction of Boys'& Girls' Hostels, construction of Academic and Administrative buildings, construction of building of Kendriya Vidyalaya, construction of Guest House & Director's Bungalow, construction of staff quarters, renovation of Auditorium, construction of internal roads and Institute gates, Computer Science & Engineering Building, Library Building etc. Further presently a 1500 capacity Boys' Hostel Building and Sports Complex have been taken up for construction and the works are progressing fast. Apart from this continuing education cell, national level research centre in selected areas like Geo-technology and Information Technology and energy sectors have been established. Industry Institute Linkage has been revamped for catering to the needs of industrialization of the region at large and the State in particular.

A Master Plan has already been prepared for total infrastructural development of the institute so that the institute may have facilities of international standard.

The Institute, which is an Institute of national importance and a centre of excellence has a total intake of 867 at undergraduate level. A total number of 121 seats at the undergraduate level have been earmarked for the candidates to be admitted under Direct Admission of Students Abroad

(DASA) scheme. Out of the total seats of B.Tech, 50% seats are reserved for the candidates of Tripura and the remaining 50% of seats are for the candidates from the other states of India. The candidates who qualify Joint Entrance Examination (JEE)-Main conducted by CBSE are admitted to this Institute as per seat allotment by Central Seat Allocation Board (CSAB).

4.2 Admission Procedure:

Admission in the undergraduate programme is made on the basis of allotment of seats in the (9) branches of Engineering along with dual degree programme in engineering and science through Central Seat Allocation Board (CSAB) based on the performance of the candidates in Joint Entrance Examination (JEE)-Main.

Students are admitted in undergraduate programme under Home State and All India quota. In M. Tech, candidates are admitted as per allotment of seats under common counselling on the basis of result in GATE Examination. Candidates are also admitted in M. Tech against the vacant seats on the basis of a test conducted by the Institute.

In MCA candidates are admitted as per allotment of seats by NIMCET based on the performance of the candidates in the NIMCET Examination conducted for the purpose.

In M. Sc in Physics, Chemistry and Mathematics, eligible candidates are admitted on the basis of a test conducted by the Institute for the purpose of selection.

Candidates are admitted in MBA programme as per selection made by the Institute on the basis of performance of the candidates in the qualifying examination like CAT, CMAT.

Candidates of Ph.D. are admitted based on their performance in the test (written or oral) conducted by the Institute for selection.

4.3 Admission 2015-2016:

TABLE 1.A - Fresh Admission

Sl.	Department	B. Tech	BS-MS	BT-MT	M. Tech	MCA	MBA	M. Sc	Ph. D
No.									
1	Civil	171	00	00	51	00	00	00	12
2	Mechanical	88	00	00	40	00	00	00	06
3	Electrical	85	00	00	30	00	00	00	04
4	CSE	89	00	00	10	16	00	00	00
5	ECE	83	00	00	25	00	00	00	02
6	Production	56	00	00	06	00	00	00	06
7	Chemical	48	00	00	00	00	00	00	00
8	EIE	46	00	00	00	00	00	00	00
9	Bio-Engg.	24	00	00	00	00	00	00	00
10	Physics	00	13	00	00	00	00	07	05
11	Chemistry	00	11	00	00	00	00	09	01
12	Mathematics	00	8	00	00	00	00	05	03

13	Engg. Physics	00	00	11	00	00	00	00	00
14	MBA	00	00	00	00	00	24	00	00
Total		690	32	11	162	16	24	21	39

[Note: CSE - Computer Science and Engineering, ECE - Electronics and Communication Engineering, EIE - Electronics and Instrumentation Engineering, Engg. Physics - Engineering Physics.]

TABLE 1.B - Total No. of students admitted during the year includes the following:

Schedule Caste	142	QIP	M.Tech	19
Schedule Tribes	142		Ph.D	00
Physically Handicapped	12	Sponsored	M.Tech	09
Total	296	Project	Ph.D	00
		External Registration	Ph.D	00

4.4 Course-wise enrollment with Sex and Caste break-up:

TABLE 2 – Admitted students in B. Tech, 1st Semester.

		CE	ME	EE	CSE	ECE	EI	Е	CHE	PI	Ξ	BIO
From t	he State	e of Tr	ipura:			•						
	Boys	37	7 23	9	17	17	1	4	7	17	7	3
OP	Girls	10	0	13	6	7		3	8	5		4
OI	Total	l 47	7 23	22	23	24	1	17	15	22	2	7
	Boys	0	0	1	0	0		0	0	0	1	0
ОРРН	Girls	0	0	0	0	0		0	0	0	1	1
OIIII	Total	1 0		1	0	0		0	0	0		1
	Boys			6	4	6		4	5	6		2
SC	Girls			2	3	2		1	0	2		1
SC	Total	l 15	5 7	8	7	8		5	5	8		3
SCPH	Boys	0	0	0	0	0		0	0	0	1	0
	Girls	0	0	0	0	0		0	0	0	1	0
30111	Total	1 0	0	0	0	0		0	0	0	1	0
	Boys			8	10	10		3	4	1		3
ST	Girls	7	0	5	4	4		1	2	2		1
	Total	28	3 14	13	14	14		4	6	3		4
	Boys	0	0	0	0	0		0	0	0	1	0
STPH	Girls			0	0	0		0	0	0		0
	Total			0	0	0		0	0	0		0
From t	he vari	ous pa	rt of the		except			[ripu				
		Boys	36	22	14	18	16	7	6	Ó	7	1
OP		Girls	3	0	5	3	4	0	()	1	2
OI		Total	39	22	19	21	20	7	6	5	8	3
		Boys	1	0	1	1	0	1	1		0	1
OPPI	ı 📙	Girls	0	0	0	0	0	0	(0	0
OIII	1	Total	1	0	1	1	0	1	1	L	0	1

	Boys	12	7	6	6	6	3	4	4	1
SC	Girls	0	0	1	1	0	0	0	0	0
SC	Total	12	7	7	7	6	3	4	4	1
	Boys	1	0	0	0	0	0	0	0	0
SCPH	Girls	0	0	0	0	0	0	0	0	0
	Total	1	0	0	0	0	0	0	0	0
	Boys	6	3	3	3	2	2	3	3	1
CT	Girls	0	0	0	0	0	0	0	0	0
31	Total	6	3	3	3	2	2	3	3	1
	Boys	0	0	0	0	0	0	0	0	0
STPH	Girls	0	0	0	0	0	0	0	0	0
ST STPH OBC OBCPH Total intal	Total	0	0	0	0	0	0	0	0	0
	Boys	21	12	11	12	7	6	7	7	3
OBC	Girls	1	0	0	0	1	1	1	0	0
	Total	22	12	11	12	8	7	8	7	3
	Boys	0	0	0	1	1	0	0	1	0
OBCPH	Girls	0	0	0	0	0	0	0	0	0
	Total	0	0	0	1	1	0	0	1	0
Total intak	ce capacity	184	90	90	90	92	61	60	90	30
Total a	dmitted	171	88	85	89	83	46	48	56	24
Total	vacant	13	2	5	1	9	15	12	34	6

TABLE 3 – Admitted students in M. Tech 1st Semester

		CE	ME	EE	CSE	EC	PE	СН
	Boys	34	18	14	03	08	04	00
OP	Girls	02	01	03	02	04	00	00
	Total	36	19	17	05	12	04	00
	Boys	00	00	00	00	00	00	00
OPPH	Girls	00	00	00	00	00	00	00
	Total	00	00	00	00	00	00	00
OBC	Boys	08	13	07	00	05	02	00
	Girls	01	01	00	01	00	00	00
	Total	09	14	07	01	05	02	00
OBCPH	Boys	00	00	00	00	00	00	00
	Girls	00	00	00	00	00	00	00
	Total	00	00	00	00	00	00	00
	Boys	04	06	04	03	03	00	00
SC	Girls	01	00	00	00	02	00	00
	Total	05	06	04	03	05	00	00
SCPH	Boys	00	00	00	00	00	00	00
	Girls	00	00	00	00	00	00	00
	Total	00	00	00	00	00	00	00
	Boys	01	01	02	01	02	00	00
ST	Girls	00	00	00	00	01	00	00
	Total	01	01	02	01	03	00	00

	Boys	00	00	00	00	00	00	00
STPH	Girls	00	00	00	00	00	00	00
	Total	00	00	00	00	00	00	00
Total intake)	110	56	64	18	36	18	10
capacity								
Total admit	ted	51	40	30	10	25	6	0
Total vacan	t	59	16	34	8	11	12	10

TABLE 4 – Admitted students in BS-MS, BT-MT, M. Sc, MCA and MBA 1st Semester

OPPH -		Tripur 10 06 16 00		02 04	(Math	.)	(Phy.)	(Chem.)	MCA	MBA					
OPPH -	Boys Girls Total Boys	10 06 16				1									
ОРРН	Girls Total Boys	06 16				From the State of Tripura:									
ОРРН	Total Boys	16	_	04			00	00	00	00					
ОРРН	Boys				00		00	00	00	00					
OPPH -		Ω	_	06	00		00	00	00	00					
ОРРН –	Girls	00		00	00		00	00	00	00					
OIIII		00	_	00	00		00	00	00	00					
	Total	00		00	00		00	00	00	00					
	Boys	02		01	00		00	00	00	00					
SC -	Girls	03		00	00		00	00	00	00					
30	Total	05		01	00		00	00	00	00					
L	Boys	00		00	00		00	00	00	00					
SCPH	Girls	00		00	00		00	00	00	00					
	Total	00		00	00		00	00	00	00					
	Boys	03		01	00		00	00	00	00					
CT	Girls	03		00	00		00	00	00	00					
ST	Total	06		01	00		00	00	00	00					
	Boys	00		00	00		00	00	00	00					
STPH	Girls	00		00	00		00	00	00	00					
	Total	00		00	00		00	00	00	00					
From the	various _l	part of	the	coun	try exce	pt the	State of	Tripura							
	Boys	0	2	0	1 (00	00	00	00	00					
OD	Girls	0	0	0	1 (00	00	00	00	00					
OP	Total	0	2	02	2 (00	00	00	00	00					
	Boys	0	0	00) (00	00	00	00	00					
ODDII	Girls	0	0	00) (00	00	00	00	00					
OPPH	Total	0	0	00) (00	00	00	00	00					
	Boys		0	00		00	00	00	00	00					
9.0	Girls		0	00		00	00	00	00	00					
SC	Total		0	00		00	00	00	00	00					
	Boys		0	00		00	00	00	00	00					
SCPH	Girls		0	00		00	00	00	00	00					
	Total		0	00		00	00	00	00	00					
	Boys	0		00		00	00	00	00	00					
ST	Girls		1	00		00	00	00	00	00					

	Total	02	00	00	00	00	00	00
	Boys	00	00	00	00	00	00	00
STPH	Girls	00	00	00	00	00	00	00
	Total	00	00	00	00	00	00	00
	Boys	1	1	00	00	00	00	00
OBC	Girls	0	0	00	00	00	00	00
	Total	01	01	00	00	00	00	00
	Boys	00	00	00	00	00	00	00
OBCPH	Girls	00	00	00	00	00	00	00
	Total	00	00	00	00	00	00	00
Total intal capacity	ke	60	20	00	00	00	00	00
Total admitted		32	11	00	00	00	00	00
Total vaca	nt	28	09	00	00	00	00	00

TABLE 4.A- Admitted students in BS-MS, BT-MT, M. Sc, MCA and MBA 1st Semester

		M. Sc.	M. Sc.	M. Sc.	MCA	MBA
		(Math.)	(Phy.)	(Chem.)		
	Boys	04	02	01	06	05
OP	Girls	01	01	04	00	08
	Total	05	03	05	06	13
	Boys	00	00	00	00	00
OPPH	Girls	00	00	00	00	00
	Total	00	00	00	00	00
	Boys	00	00	00	03	04
SC	Girls	00	00	01	00	00
	Total	00	00	01	03	04
	Boys	00	00	00	00	00
SCPH	Girls	00	00	00	00	00
	Total	00	00	00	00	00
	Boys	00	00	00	01	02
ST	Girls	00	00	00	01	00
	Total	00	00	00	02	02
	Boys	00	00	00	00	00
STPH	Girls	00	00	00	00	00
	Total	00	00	00	00	00
OBC	Boys	00	03	02	05	05
	Girls	00	01	01	00	00
	Total	00	04	03	05	05
	Boys	00	00	00	00	00
OBCPH	Girls	00	00	00	00	00
	Total	00	00	00	00	00
Total intake capacity		10	10	10	40	30
Total admitte	ed	5	7	9	16	24
Total vacant	Total vacant		03	01	24	16

4.5 Students/ Scholars Enrolment:

The total number of students on roll in various programmes of the Institute in the academic year 2015-2016 are given below:

TABLE 5 – Students on roll

Sl. No.	Department	B. Tech	BS- MS	BT- MT	MCA	M. Tech.	M. Sc.	MBA	Ph. D
1	Civil	672	00	00	00	151	00	00	46
2	Mechanical	369	00	00	00	84	00	00	35
3	Electrical	338	00	00	00	87	00	00	37
4	CSE	332	00	00	83	21	00	00	15
5	ECE	327	00	00	00	59	00	00	37
6	Production	233	00	00	00	16	00	00	12
7	Chemical	171	00	00	00	08	00	00	04
8	EIE	181	00	00	00	00	00	00	00
9	BIO-Eng	76	00	00	00	00	00	00	00
10	Physics	00	23	00	00	00	14	00	16
11	Chemistry	00	31	00	00	00	15	00	11
12	Mathematics	00	32	00	00	00	11	00	18
13	Eng. Physics	00	00	35	00	00	00	00	00
14	HSS	00	00	00	00	00	00	00	09
15	School of Management	00	00	00	00	00	00	41	00
Tota	ıl	2699	86	35	83	426	40	41	240

The above total includes the following:

DASA (Indian origin)	00	QIP	M. Tech.	0
Scheduled Castes	592		Ph. D.	0
Scheduled Tribes	439	Sponsored	M. Tech.	09
Physically Handicapped	39	Project	Ph. D.	0
Women students	459	External Registration	Ph. D.	0
Total	1529	Registration Kept Alive	Ph. D.	0
		Part Time Programme (M	. Tech.)	0

SC/ST/OBC/OPPH Students on roll as on 31-03-2016:

Sl. No.	Programme	SC	ST	OBC	ОРРН
1.	B. Tech.	485	384	709	02
2.	BS-MS	15	13	24	01
3	BT-MT	05	02	11	00
2.	MCA	08	02	32	00
3.	M. Tech.	56	37	88	01

4.	M. Sc.	01	01	13	00
5.	MBA	05	04	06	00
6.	Ph. D.	29	14	47	01
	Total	604	457	930	5

The branch/ discipline-wise and year-wise details of students in B. Tech. and M. Tech. programmes are given below:

TABLE 6 – Students on roll at Undergraduate level

Sl. No.	Branch	2015	2014	2013	2012	others
1	Civil Engineering	672	715	683	513	00
2	Mechanical	369	370	359	285	00
	Engineering					
3	Electrical Engineering	338	358	334	226	00
4	Computer Sc. & Engg.	332	306	285	236	00
5	Electronics & Comm. Engineering	327	324	314	284	00
6	Transportation Engg	00	00	00	00	00
7	Production Engineering	233	239	165	115	00
8	Electronics & Inst.Engg.	181	184	198	100	00
9	Chemical Engineering	171	167	139	71	00
10	Bio Engineering	76	64	42	22	00
11	Physics (BS-MS)	23	16	05	00	00
12	Chemistry (BS-MS)	31	23	08	00	00
13	Math (BS-MS)	32	24	10	00	00
14	Engineering Physics (BT-MT)	35	29	14	00	00
	Total	2820	2819	2556	1852	00

TABLE 7 – Students on roll at Post Graduate level

Sl. No.	Programme	Branch	Specialization	2015	2014	2013	Total
			Geotechnical Engineering	22	35	27	84
			Structural Engineering	33	34	26	93
01	M Tools	Civil Engineering	Environmental Engineering	22	29	17	68
01.	M.Tech		Transportation Engineering	29	33	26	88
			Water Resources Engineering	14	16	07	37
			Seismic Science &	11	14	07	32

			Engineering				
			Hydro Informatics	20	22	22	<i>(</i> =
			Engineering	20	23	22	65
			Thermal Science &	32	34	27	93
			Engineering	32	34	21	93
		Mechanical	Manufacturing	28	34	26	88
02.		Engineering	Technology				
		Engineering	Machine Design	12	15	07	34
			Automotive	12	16	08	36
			Engineering	12	10	00	
			Power Electronics &	24	35	25	84
			Drives				
			Power System	28	33	25	86
03.		Electrical	Engineering				
	Engineering	Instrumentation	23	33	26	82	
			Engineering Integrated Energy	12			
					16	09	37
		Communitar	System				
04.		Computer Sc. &	Computer Sc. &	21	31	28	80
04.		Engineering	Engineering	21	31	28	ου
		Engineering	VLSI & Nano				
		Electronics	Technology	28	35	28	91
05.		& Comm.	Communication				
		Engg.	Engineering	31	34	27	92
		Production	Computer integrated				
06.		Engg.	manufacturing	16	20	23	59
		Chemical		0 -			
07.		Engg.	Chemical Engg.	08	14	07	29
		66:	Physics	15	17	15	47
08.	M. Sc.		Chemistry		11	11	38
		N	Mathematics	10	12	11	33
09.	MBA	Busine	41	30	30	101	
10	MCA	Comp	outer Application	48	68	65	181

4.6 Examination & Evaluation:

Evaluation of the performance of the students is regarded as the most important academic activity in any educational institution. In NIT Agartala, evaluation of the students is made by both written examination and viva-voce test.

Apart from this the performance of the students is also evaluated through internal assessment. In every semester one Mid-Term and End-Term examinations are conducted. Apart from this, class tests and viva-voce tests for all subjects are also taken.

Marks are awarded to the students in each subject and on the basis of that Semester Performance Index (SPI) is calculated. Taking the result of both Mid-Term and End-Term Examination, Cumulative Performance Index (CPI/CGPA) is calculated.

Finally, the performance of a student is evaluated through written examination, class test, vivavoce test, practical examination, attendance and above all the behaviour of the students.

4.7 Course Offered:

TABLE 8 - No of Courses Offered

Sl. No.	Programme	Total No of Branches/ Specialization
1	B.Tech	09
2	BT-MT	01
3	BS-MS	03
4	M.Tech	20
5	MCA	01
6	MBA	03
7.	M.Sc	03
8.	Ph.D	11

4.8 Convocation:

The National Institute of Technology Agartala organized its 8th Convocation on 14th November 2015. Prof. Anil D. Sahasrabudhe, Chairman, AICTE, adorned the 8th Convocation Ceremony as the Chief Guest.

In the 8th Convocation, Institute awarded B. Tech. Degree to a total number of 590 students.

Branch wise results are given as under:

Civil Engineering: 20 students passed with Distinction, 104 passed with First class and 39 with Second class.

Mechanical Engineering: 15 students passed with Distinction, 67 students passed with First class and 6 with second class.

Electrical Engineering: 21 students passed with Distinction, 58 students passed with First class and 18 with Second class.

Computer Science & Engineering: 6 students passed with Distinction, 48 students passed with First class and 12 with second class.

Electronics and Communication Engineering: 14 students passed with Distinction, 53 students passed with First class and 10 with Second class.

Electronics and Instrumentation Engineering: 3 students passed with Distinction, and rest 28 students passed with First class.

Production Engineering: 05 students passed with Distinction, 30 students passed with First class and 03 students passed with Second class.

Chemical Engineering: 04 students passed with Distinction, 21 students passed with First class 05 student passed with Second class.

M. Tech Degree was awarded to a total number of 222 students in the 8th convocation.

Branch wise results are given as under: Civil Engineering: 71 students passed. Mechanical Engineering: 39 students passed. Electrical Engineering: 55 students passed. Computer Sc. & Engineering: 15 students passed. Electronics & Communication Engineering: 25 students passed. Production Engineering: 10 students passed Chemical Engineering: 07 students passed.

M. Sc Degree was awarded to a total number of 16 students in the 8th convocation.

Subject wise results are given as under: Physics: 08 students passed. Chemistry: 04 students passed. Mathematics: 04 students passed.

MCA Degree was awarded to a total number of 10 students.

MBA Degree was awarded to a total number of 10 students.

Institute awarded 21 scholars for Ph.D Degree - 13 in Engineering, 4 in Science and 4 in Humanities and Social Sciences in the 8th Convocation.

4.8.1 Introduction:

TABLE 9 - Degree awarded

Sl. No.	Department	B. Tech	MCA	M. Tech.	M. Sc.	MBA	Ph. D.
1	Civil Engineering	163	00	71	00	00	00
2	Mechanical	88	00	39	00	00	00
	Engineering						
3	Electrical	97	00	55	00	00	00
	Engineering						
4	Computer Sc. &	66	00	15	00	00	00
	Engineering						
5	Electronics &	77	00	25	00	00	00
	Comm.						
	Engineering						
6	Production	38	00	10	00	00	00
	Engineering						
7	Electronics &	31	00	00	00	00	00
	Inst.Engineering						
8	Chemical	30	00	07	00	00	00
	Engineering						
9	Physics	00	00	00	08	00	00

10	Chemistry	00	00	00	04	00	00
11	Mathamatics	00	00	00	04	00	00
12	Computer	00	10	00	00	00	00
	Application						
13	School of	00	00	00	00	10	00
	Management						
14	Ph.D.	00	00	0	00	00	21

With this convocation, the total number of degrees awarded by the Institute is 869, the details of which are given below:

Sl. No.	Programme	No. of Students
01.	Ph. D.	21
02.	M. Tech.	222
03.	MCA	10
04.	MBA	10
05.	M. Sc.	16
06.	B. Tech.	590
	Total	869

4.8.2 Convocation Prizes:

The following are the details of Prizes awarded to the students at the 8th Convocation:

Name of the Prize	Name of Students	Branch Name
Gold Medal for Institute Topper	Sankha Subhra	Electronics & Communication
(UNDER GRADUATE)	Bhattacharjee	Engineering
Gold Plated Silver Medal to Branch	Sirshendu Das	Civil Engineering
Toppers (UNDER GRADUATE)	Abhishek Patel	Mechanical Engineering
	Mouli Karmakar	Electrical Engineering
	Sujata Sinha	Computer Science &
		Engineering
	Siddhartha Singh	Electronics & Instrumentation
		Engineering
	Souradeep Kundu	Production Engineering
	Abhishek Shishodia	Chemical Engineering

Programme	Name of the Prize	Name of students/	Branch Name	Specialization
		Persons		
M.Tech	Gold Medal for	Jothiarun D	Civil	Structural
	Institute Topper		Engineering	
	(POST-GRADUATE)			
	Gold Plated Silver	Kamble Akash	Mechanical	Manufacturing
	Medal to Branch	Uttam	Engg	Engg.
	Toppers (POST-	Rinalini Lahon	Electrical Engg	Power System
	GRADUATE)	Prantik Biswas	Computer	Computer

			Science & Engg	Science & Engg
		Priyansha	Electronics &	Micro
		Bhowmik	Communication	Electronics &
			Engg.	VLSI
		Pushpendra Gupta	Production	Computer
			Engg.	Integrated
				Manufacturing
		Sutapa	School of	Hydro-
		Bhattacharjee	Hydro-	Informatics
			informatics	
MCA	Gold Plated Silver	Dhiman Deb	Computer A	Application
	Medal to Branch			
	Toppers			
MBA	Gold Plated Silver	Rupa Rani	School of M	lanagement
	Medal to Branch			
	Toppers			
M.Sc	Gold Plated Silver	Saikat	Chem	nistry
	Medal to Branch	Bhattacharjee		
	Toppers	Susmita Debnath	Phys	sics
		Birojit Das	Mather	matics

5.0 BIO ENGINEERING DEPARTMENT

5.1 Introduction:

The Department of Bio Engineering was started in the academic year of 2012-13 with sanctioned intake capacity of 30 (thirty) students in the undergraduate level i.e. 4 years Bachelor of Technology (B. Tech Programme) in Bio Engineering to contribute the fascinating and emerging area of biological sciences. The department is committed to excellence in teaching, research and service to the Nation. Presently, Dr. Tarun Kanti Bandyopadhyay (Head, Bio Engineering) is supervising all the activities to ensure the progress of this department. The department has excellent facilities in terms of class rooms and UG laboratories. Within four years, the department has set up some important laboratory courses viz., Biochemistry Lab, Microbiology Lab, Immunology Lab, Genetics Lab and Bioinformatics Lab. In future the department will also start M. Tech. and Ph. D programme. The academic staffs of this department have various backgrounds in engineering. This is a reflection of the multidisciplinary and integrative approach in Bio Engineering research and education. The department has framed the course curriculum based on the need of today's industries. The course includes Molecular Biology, Biochemical Engineering, Biosensors, Bio-Fluid Mechanics, Bioinformatics and Computational Biology, Tissue Engineering and Regenerative Medicine, Therapeutic Delivery Systems, Biomedical Imaging and Instrumentation, Drug Design and Development, Nano-Biotechnology, Bioprocess Engineering, Metabolic Engineering, and Biomechanics, etc. The undergraduate programme provides strong fundamental knowledge and practical based learning methodology in engineering and life sciences. It imparts training for students to make them competent, motivated engineers and scientists. This course offers a huge scope to the next generation students for their better career in India and abroad as well.



Biochemistry Lab



Students performing in Biochemistry Lab



Students performing in Immunology Lab



Students performing in Microbiology Lab

5.2 Academic Programme:

The department offers courses in Under Graduate programme leading to B. Tech degree under Bio Engineering (4 years) from July 2012.

Students on Roll:

Programme	1 st semester	3 th semester	5 th semester	7 th semester	Others	Total
B. Tech.	15	21	12	17	NIL	65
Total	15	21	12	17	NIL	65

5.3 Lab Facilities:

The Bio-Engineering Department has Genetics, Immunology, Bioinformatics, Environmental Engineering, Mass Transfer, Biochemistry, Microbiology, Bioprocess Engineering, Reaction Engineering, Fluid Mechanics and Numerical Methods Laboratories.

5.4 Faculty and their Activities:

Short-Term Courses/ Workshops/ Seminar/ Symposia/ Conferences organized by the faculty members:

Sl. No.	Co-ordinators	Title	Period
Short Te	rm Courses		
1.	Tridib Kumar Bhowmick	"Nanomedicine:	28 th March-2 nd
	Sreerup Banerjee	Applications, Challenges	April, 2016
		and Perspectives" under	
		MHRD GIAN scheme	

Short-Term Courses/ Workshops/ Seminars/ Symposia/ Conferences/ Training attended by the Faculty in Academic Institutions and Public Sector Undertakings:

Sl. No.	Name of Faculty	Title	Period
Worksho	op:		
1.	Abhijit Chatterjee	Symposium on "Modern applications	19 th March, 2016
		of electron microscopy in	
		interdisciplinary research"	
Short ter	m Course:		
1.	Abhijit Chatterjee	TEQIP short term course on "Soil	7 th -11 th
		Health and Food Security"	December, 2015
2.	Tridib Kumar	Two week ISTE STTP on	2 nd – 12 th June,
	Bhowmick	"Environmental Studies" organized by	2015.
		IIT Bombay.	

Honours and Awards obtained:

S1.	Name of	Name of Award	Awarded by	Award for	Date
No.	Faculty				
1.	Dr. Dijendra	Young Scientist	DST (SERB),	Start up Research	2015
	Nath Roy	Award	Govt. of India	Grant for Project	

Fellowships of Academics and Professional Societies:

Fellowsh	Fellowships of Academics and Professional Societies:						
Sl. No.	Name of Faculty	Level	Year				
ISTE/ CS	SI and others						
1.	Dr. Dijendra Nath Roy	Corporate Life Member of Institute of Engineers (India)	2015				
2.	Dr. Dijendra Nath Roy	Dijendra Nath Roy Life Member of Indian Science Congress Assosication					
3.	Dr. Deeplina Das	Life Member LIFE MEMBER-(LM 1309), Biotech Research Society, India-(BRSI).	2013				
4.	Dr. Deeplina Das	LIFE MEMBER-(LM 3228), Society of Biological Chemists India-(SBC).	2013				
5.	Dr. Deeplina Das	Corporate Life Member of Institute of Engineers (India)-(IEI)	2014				
6.	Dr. Tridib Kumar Bhowmick	Member of Institute of Engineers (India)-(IEI)	2015				
7.	Dr. Biswanath Bhunia	Associate Member , Indian Institute of Chemical Engineers (IIChE)	2011				
8.	Dr. Biswanath Bhunia	Member, The Institution of Engineers (India)	2015				
9.	Dr. Biswanath Bhunia	Chartered Engineer (India), The Institution of Engineers (India)	2015				
10.	Dr. Tarun Kanti Bandyopadhyay	Member , Indian Institute of Chemical Engineers (IIChE)	2015				

5.5 Research and Consultancy:

Sponsored Research Projects:

Pon	ponsorea Research Projects.						
S1.	Title	Period	Funding	Amount	Co-ordinators		
No.			Agency	(in lakhs)			
1.	The role of endocrine	2014 -	DST	17	Dr. Biswanath		
	disrupting chemicals (EDCs)	2017			Bhunia (PI)		
	on estrogen receptors (Ers)						
	using molecular docking.						
2	Identification and	2014-	DBT, Govt of		Dr. Kalyan Gayen		
	characterization of	2014-	India	60.39	(PI),		
	intracellular and extracellular	2017	mala		Dr. Dijendra Nath		

	cues for phase shifting from				Roy (CO-PI), Dr.
	acidogenesis to				Biswanath Bhunia
	soventogenesis in				(CO-PI)
	Clostridium acetobutylicum				
3	Biofilm Inhibitor	2016-	DST (SERB),	19	Dr. Dijendra Nath
	Development	2019	Govt. of		Roy (PI)
	-		India		•
4	Anti Snake venom drug	2015-	IEI (India)	0.3	Dr. Dijendra Nath
	Development	2016			Roy (PI)

Research Publications:

Total No. of papers published in Refereed National Journals	:	01
Total No. of papers published in Refereed International Journals	:	07
Total No. of papers presented in National Conference	:	01
Total No. of papers presented in International Conferences	:	01
Total No. of patents	:	01

In Refereed National Journals:

1. P. Choudhury P and B. Bhunia, 'Industrial application of Lipase: A Review', Biopharm Journal, 1, 41-47, (2015).

In Refereed International Journals:

- 1. G. Ashmita, K. Saumyakanti, M. Madhumanti, H. Gopinath, T. O N, S. Supreet, B. Tridib and G. Kalyan, 'Progress towards isolation of strains and genetically engineered strains of microalgae for production of biofuel and other value added chemicals: A review', Energy Conversion and Management, 113, 104-118, (2016).
- 2. U.S. Uday, P. Choudhury, T.K. Bandyopadhyay and B. Bhunia, 'Classification, mode of action and production strategy of xylanase and its application for biofuel production from water hyacinth', International journal of biological macromolecules, 82, 1041–1054, (2016).
- 3. T.K. Bandyopadhyay and Das Sudip, 'CFD Analysis for Flow of Liquids in Coils', Journal of The Institution of Engineers (India): Series E, 97, 9–18, (2015).
- 4. D. Deeplina and G. Arun, 'Antioxidant activity and γ-aminobutyric acid (GABA) producing ability of probiotic *Lactobacillus plantarum* DM5 isolated from Marcha of Sikkim', LWT-Food Science and Technology, 61, 263-268, (2015).
- 5. B. Rwivoo, D. Deeplina and G. Arun, 'Heteropolysaccharides from Lactic Acid Bacteria: Current Trends and Applications', Journal of Probiotic and Health, 4, 1-6, (2016)
- 6. K. Vikram, M. Muthusivaramapandian, P. Basavaraj and D. Debasish, 'Synchronized growth and neutral lipid accumulation in Chlorella sorokiniana FC6 IITG under continuous mode of operation', Bioresource technology, 200, 770-779, (2016).
- 7. R. Dijendra Nath and G. Ritobrata, 'Drugs of abuse and addiction: A slippery slope toward liver injury', Chemico-Biological Interactions, 255, 92-105, (2015).

In Proceedings of National Conference:

Name of the Conference		Name of the Conference Place of the		Name of the	Date/ Duration
		Conference	participants		
"Indian	Chemical	Engineering	IIT Guwahati	Ashmita Ghosh	27 th -30 th
Congress"				December, 2015.	

In Proceedings of International Conference:

Name of the Place of the		Name of the participants	Date/ Duration
Conference	Conference		
"New Horizons in	CSIR-NIIST	R. Vineeta, K. Anabarasu, M.	$22^{\rm nd} - 25^{\rm th}$
Biotechnology	Trivandrum	Muthusivaramapandian, N. Santosh,	November, 2015
(NHBT)"	Tiivaiiuiuiii	D. Debasish and S. Sanjeeva	November, 2013

Patent Published:

Inventor Name Year		Title	Patent application no.
U.S. Uday, P.	Indian patent	An Acidophilic xylanases	
Choudhury,	filing on 19 th	enzyme with broad pH	201631005766
T.K. Bandyopadhyay	February,	activity from Aspergillus	201031003700
and B. Bhunia.	2016	niger.	

Distinguished Visitors to the Departments:

Sl. No.	Name of the Visitors and Designation	Date of Visit	Purpose of Visit
1.	Dr. Pradip Singh Rathod, Director, NIH International Center of Excellence for Malaria Research for South Asia (MESA, South Asia ICEMR).	27 th November, 2015	Interaction with faculties and visiting departmental facilities
2.	Laura Chery, Program Manager of NIH International Center of Excellence for Malaria Research for South Asia (MESA, South Asia ICEMR) from University of Washington.	27 th November, 2015	Interaction with faculties and visiting departmental facilities
3.	Prof. G Srinikethan, (Professor, in Dept. of Chemical Engineering, NIT Surathkal.	3 rd -4 th March, 2016	He had a detailed interaction with the Faculty members and HOD regarding the course curriculum.
4.	Dr. Anjan Nan, (Assistant Professor in School of Pharmacy, University of Maryland, Eastern Shore, USA)	28 th March - 2 nd April, 2016	Conducted a one week course "Nanobiotechnology (Nanomedicine: Applications, Challenges and Perspectives)" under MHRD Scheme on Global Initiative on Academic Network (GIAN).

5.6 Institute – Industry Collaboration :

- 1. Dr. Tarunkanti Bandyopadhyay, HoD, Bio Engineering has taken an initiative to collaborate with Dr. Saswata Goswami, Scientist E, Center of Innovative and Applied Bioprocessing (CIAB), Mohali 160071, Punjab and CIAB, Mohali for several multiinstitute project.
- 2. Dr. Tarunkanti Bandyopadhyay, HoD, Bio Engineering and Dr. Biswanath Bhunia, have also started to collaborate with Prof. Tamal Mandal, Professor, Department of Chemical Engineering, NIT Durgapur, India. One multi institute joint project proposal has been planed to submit to funding agency.

5.7 Industrial Consultancy and Sponsored Research:

There is no industrial consultancy in the department. However, one sponsored project is completed and two sponsored projects are going on in the department. In near future it is required to start industrial consultancy.

5.8 Other Activities:

Research Activities: The department of Bio Engineering is aiming vibrant research activity for technical development, especially in north east region of India. Still Department of Bio Engineering has not started Ph.D. programme. However, faculties are actively engaged to supervise the Ph.D. scholars of other departments of NIT Agartala or other Institutes.

Dr. Biswanath Bhunia- Visiting Faculty, Department of Biotechnology & Bioinformatics at North Eastern Hill University, Shillong from 1st - 5th June, 2015.

Dr. Abhijit Chatterjee - Funds awarded (12000 USD) for implementation of Global Initiative for Academic Network (GIAN) programme on 12th January, 2016.

Student Activities:

- ➤ IEI Student Chapter namely Agartala NIT Students' Chapter (Bio) was set up at the Bio Engineering Department. The students are actively engaged.
- ➤ Students presented model and poster in "ADVAITAM, NIT Agartala, (Techno Cultural Fest) 10th -14th February, 2016.
- ➤ Placement for Bio Engineering students 81% of the students from the batch 2012-2016 were placed in various companies/organizations via on-campus placement process in which around 19% were placed in core companies.

Training

The department has already taken initiative for training of the students in several Industries, Research Lab, IIT and NIT Etc.

6.0 CIVIL ENGINEERING DEPARTMENT

6.1 Introduction:

The Department of Civil Engineering was started since the inception of the institute in 1965. Presently the department offers M.Tech. courses in Structural Engineering, Geotechnical Engineering, Transportation Engineering, Water Resources Engineering, Environmental Engineering, Seismic Science & Engineering and Hydro Informatics Engineering. The Civil Engineering Department has produced many technocrats who are serving the country successfully. The Department has 21 (twenty one) nos. of regular faculty members and 15 (fifteen) nos. of contractual faculty members. Almost all the faculty members are involved with different consultancy, research and developmental works along with administrative activities of the Institute.

The department provides students with the fundamental knowledge and problem solving skills in the field of Civil Engineering required for a fulfilling career and to create and disseminate knowledge to improve Civil Engineering research, education and practice.

The department is presently associated with different developing activities as well as innovation of construction materials. Some of the faculty members are coordinating different technical bodies of the state, Tripura and the region.

The department has been involved with many research works and produced some excellent outcome. The department also offers Ph.D. programme and the main areas of research include Geotechnical Engineering, Structural Engineering, Water Resources Engineering, Environmental Engineering and Transportation Engineering. The department also handles consultancy works and projects with the state & central Government organizations.



Civil Engineering Department

6.2 Academic Programme:

B. Tech (Civil Engineering), M. Tech. (Structural Engineering, Geotechnical Engineering, Transportation Engineering, Environmental Engineering, Water Resources Engineering, Seismic Science & Engineering and Hydro Informatics Engineering) and Ph. D.

A. Students on Roll:

Programme	1 st semester	3 rd semester	5 th semester	7 th semester	Others	Total
B.Tech.	148	169	162	181	-	660
M.Tech.	46	51	-	-	-	97
Ph. D.	-	-	-	-	-	44
Total						801

6.3 Lab Facilities:

The Civil Engineering Department has Geotechnical Engineering, Structural Engineering, Concrete, Transportation Engineering, Environmental Engineering, Solid Mechanics, Surveying, Engineering Geology, Civil Engineering Computer, Water Resources Engineering, Civil Engineering Drawing and Hydraulics Laboratories.



Structural Engineering Laboratory





Geotechnical Engineering Laboratory



Environmental Engineering Laboratory





Solid Mechanics Laboratory



Water Resources Engineering Laboratory

6.4 Faculty and other Activities:

Short-Term Courses / Workshops / Seminar / Symposia / Conferences / Training attended by the Faculty in Academic Institutions and Public Sector Undertakings:

Sl.	Name of the Faculty	Title	Period
No.			
Wor	kshop(Organized)		
1	Dr. Manish Pal,	Recent Trends in Transportation	18 th -19 th March,
	Dr. Partha Pratim Sarkar,	Engineering,	2016
	Mr. Dipankar Sarkar.		
Sem	inar:		
1	Dr. Debdulal Tripura	"Challenges faced by working Engineers & Building performance – Nepal Earthquake and aftershocks- 2015"	8 th February, 2016
2	Dr. Manish Pal,	One day course on Smart City.	13 th October,
	Dr. Partha Pratim Sarkar,		2015
	Mr. Dipankar Sarkar.		
Con	ference organized :		
1	Dr. Rajib Saha	North East Student Geocongress 2016	22 nd January,
			2016

Visits Abroad by Faculty:

Sl.	Name of Faculty	Country	Date	Purpose of Visit
No.		Visited		
1	Dr. Mrinmoy Majumder	United Arab	27 th -31 st	Paper presentation
		Emirates	December, 2015	

Fellowships of Academics and Professional Societies:

Sl. No.	Name of Faculty	Level
1	Dr. Umesh Mishra	 A life member of Indian society for Technical Education with No LM 18347 A senior member of IACSIT –No 80336897 Fellow of Institution of Members –No F-113657-3 Question setter/Examiner/moderator to BPUT Rourkel, OUAT Bhubaneswar, KIIT Deemed university, Bhubaneswar VSSUT Burla and TPSC, Agartala Member nominated by S & T Dept. To central Govt for of State Level Environment Impact Assessment Authority 2009 Consuting member to urban Development Dept Govt of ORISSA for the verification of Bids for JNNURM- 2005 & many other Water supply projects

		Member in the tripura Science Congress Agartala			
2	Dr. Richi Prasad	The Institution of Engineers (India),(Fellow)			
	Sharma	• The Indian Society for Technical Education(Life Member)			
		• ASCE(Member)			
		 Indian Building Congress(Life Member) 			
3	Dr. Sujit Kumar	• FIE (India), Institution of Engineers (India) (F-017838-8)			
	Pal	• MIE (India), Institution of Engineers (India) (M-061672-3)			
		• Membership of International Society for Soil Mechanics			
		and Geotechnical Engineering			
		• Life membership of Indian Building Congress (ML-5008)			
		• Life membership of Indian Geotechnical Society (LM-			
		2809)			
		• Life membership of Indian Society for Technical			
		Education (LM-19358)			
		• Chartered Engineer (Civil Engineering), Institution of			
		Engineers (India)			
		• Student Chapter membership of Institution of Engineers (India) during UG Course in KREC, Surathkal (Presently,			
		NITK, Surathkal)			
		• Executive Committee member, Agartala Local Centre			
		(Presently, Tripura State Centre)			
4	Dr. Manish Pal	Life membership of IRC since 2008			
•	21,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	Life membership of IBC since 2010			
5	Dr. Ratul Das	Member of American Society of Civil Engineers (ASCE),			
		USA			
		• Life Member of Indian Water Resources Society (IWRS),			
		INDIA			
		Life Member of Indian Society for Earthquake Technology (1977)			
		(ISET), INDIA			
		• Life member of Indian Buildings Congress (IBC),INDIA			
6	Dr. Rama	 FIE, INDIA Member of American Society of Civil Engineers (ASCE), 			
	Debbarma	USA			
	Decouring	• FIE,India			
7	Dr. Sima Ghosh	• The Institution of Engineers (India) (Associate member)			
		Indian Geotechnical Society(Member)			
L		American Society of Civil Engineers (Affiliated member)			
8	Dr. Rajib Saha	Associate Member, Institution of Engineers India			
		 Life Member, Indian Geotechnical Society 			
		Member, ISSMGE Society			
		• Coordinator, State Resource Institute Earthquake Training			
		for Engineers			
		• Faculty Advisor (Students Chapter), Institution of			
	De Conice Davi	Engineers India Mamban Indian Contrological Society			
9	Dr. Sanjay Paul	 Member, Indian Geotechnical Society 			

		Member, Institute of Engineers (India)		
10	Mrs. Lipika Halder	 Associate Memberof IEI, Membership No. AM/093049/3 IEI 		
11	Mr. Gopinandan Dey	Life membership of IBC since 2010Life membership of ICI since 2009		
12	Mr. Joyanta Pal	 Life membership of IBC since 2010 Life membership of ICI since 2009 		
13	Dr. Debdulal Tripura	 Indian Society for Technical Education (ISTE), India, Life Member American Society of Civil Engineer (ASCE), USA American Society for Testing & Materials (ASTM), USA Structural Engineering Institute (SEI), USA American Concrete Institute (ACI), USA Earthquake Engineering Research Institute (EERI), USA Architectural Engineering Institute (AEI), USA National Information Centre of Earthquake Engineering (NICEE), India 		
14	Dr. Partha Pratim Sarkar	 Life membership of IRC since 2009 The Institution of Engineers (India) 		
15	Mr. Dipankar Sarkar	Life membership of Indian Road CongressLife member of ISTE		
16	Dr. Tara Sen	The Institution of Engineers (India)		
17	Dr. Susant Kumar Biswal	ISHNFMFP		
18	Mr. Nilotpal Debbarma	ISHIWRS		

6.5 Design and development Activities:

- In the structural Analysis laboratory, a setup for the casting of pre-stressed concrete beams has been developed.
- Existing ITS setup of Transportation Engineering Lab. is modified to test the resilient modulus of bituminous concrete.
- A setup is prepared in Transportation Engineering Lab. to check the rate of infiltration through bituminous concrete.
- A temperature control chamber is prepared in Transportation Engineering Lab.

6.6 Research and Consultancy:

The department is engaged in performing various testing related to the Railway Department, PWD, NCCL, PMGSY projects, NBCC, CPWD, Airport Authority of India, Agricultural Department, BRO and many more. Faculties are engaged in research works and publishing research papers in different national and international reputed journals.

Sponsored Research Projects:

Sl. No.	Title	Period	Funding agency	Amount (in lakhs)	Co- ordinators
1	Reliability based Seismic Design	3 years	DST	26.41	Dr. Rajib
	of Structures incorporating Soil				Saha
	Structure Interaction				

Industrial Consultancy:

Sl. No.	Industry	Amount (Rs.)
1	CPWD	10112.00
2	CPWD	10112.00
3	NCC Ltd.	8090.00
4	NCC Ltd.	2022.00
5	PWD (R & B) Kunjaban, Agartala, Tripura	28500.00
6	PWD (R & B) Panisagar Sub-div., Tripura	28625.00
7	N F Railway, Agartala, Tripura	51525.00
8	PWD (R & B) Central-III SD, Agartala, Tripura	28625.00
9	PWD (R & B) Central-III SD, Agartala, Tripura	28500.00
10	PWD (R & B) Penchartal SD, Tripura	57250.00
11	PWD (R & B) Penchartal SD, Tripura	28625.00
12	NBCCL, New Delhi (Zonal Office: Agartala, Tripura)	57250.00
	TOTAL	3,39,236.00

Research Publications:

Total No. of papers published in Refereed International Journals

1 Total No. Of papers presented in National Conference

1 Total No. Of papers presented in International Conferences

2 to 8

In Refereed International Journals:

- (1) Saha, R., Haldar, S., and Dutta, SC; 'Journal of civil engineering and management, Taylor and Francis'; 'Seismic Response of Soil-Pile Raft-Structure System'; 2015; Vol 21:02, Pg. 144-164, http://dx.doi.org/10.3846/13923730.2013.802716.
- (2) Saha, R., Haldar, S., and Dutta, SC; 'Structural Engineering and Mechanics, Techno Press'; 'Effect of raft and pile stiffness on seismic response of soil-pile raft-structure system'; 2015, Vol. 15(1), Pg. 161-189; doi: http://dx.doi.org/ 10.12989/sem.2015.55.1.161.
- (3) Saha, R., Dutta, SC., and Haldar, S.; 'Earthquake Engineering and Engineering Vibrations Springer'; 'Influence of Dynamic Soil-Pile Raft- Structure Interaction: An Experimental Approach'; 2015, Vol. 14(4), Pg. 625-645, doi: 10.1007/s11803-015-0050-1.
- (4) Das, B., Saha, R., Haldar S.; 'Geotechnical Special Publication, ASCE'; 'Probabilistic Seismic Design of Soil-Pile Raft-Superstructure System'; 2015, Pg. 217-226, 10.1061/9780784479087.022
- (5) Debnath, A., Thapa, R., Chattopadhyay, K. K., & Saha, B; 'Separation Science and Technology'; 'Spectroscopic Studies on Interaction of Congo Red with Ferric Chloride in

- Aqueous Medium for Wastewater Treatment'; 2015; Vol. 50; Pg. 1684-1688, ISSN: 0149-6395.
- (6) Debnath, A., Majumder, M., & Pal, M; 'Water Resources Management'; 'A cognitive approach in selection of source for water treatment plant based on climatic impact', 2015, Vol. 29, Pg. 1907-1919; ISSN: 0920-4741 (Print) 1573-1650 (Online).
- (7) Swarup Biswas and Umesh Mishra, 'BioMed Research International'; "Treatment of Copper Contaminated Municipal Wastewater by Using UASB Reactor and Sand-Chemically Carbonized Rubber Wood Sawdust Column," 28-Dec-15, Article ID 5762781, doi:10.1155/2016/5762781.
- (8) Soma Nag, Abhijit Mondal, Umesh Mishra, Nirjhar Bar, Sudip Kumar Das; 'Desalination & water Treatment'; "Removal of chromium(VI) from aqueous solutions using rubber leaf powder: batch and column studies"; Aug, 2015, Vol. 57, DOI: 10.1080/19443994.2015.1083893.
- (9) Swarup Biswas and Umesh Mishra; 'Journal of Chemistry'; "Calcium Pretreated Hevea brasiliensis Sawdust for Copper Removal: Batch and Column Study"; 2015, Article ID 495257,doi:10.1155/2015/495257.
- (10) Swarup Biswas and Umesh Mishra; 'Journal of Chemistry'; "Continuous Fixed-Bed Column Study and Adsorption Modeling: Removal of Lead Ion from Aqueous Solution by Charcoal Originated from Chemical Carbonization of Rubber Wood Sawdust," 2015; Article ID 907379; doi:10.1155/2015/907379.
- (11) Debasree Purkayastha, Mrinmoy Majumder, Sumanta Chakrabarti; 'Pollution'; "Collection and recycle bin location-allocation problem in solid waste management: A review", 2015, Vol. 1, Pg. 175-191.
- (12) Rama Debbarma and Subrata Chakraborty; 'Structural Engineering and Mechanics'; "Robust design of liquid column vibration absorber in seismic vibration mitigation considering random system parameters", 2015, Vol. 53(6), Pg. 1127-1141.
- (13) Avishek Sahabhaumik and Rama Debbarma; 'International Journal of Research Engineering and Advanced Technology,' "Seismic Response Mitigation of structures using base isolation along with tuned mass damper"; 2015, Vol. 3(2), Pg. 52-60.
- (14) Sahabhaumik, A. Debbarma, R., 'Int. J. Emerging Tech. Advanced Engg.'; "Seismic vibration control of buildings using viscoelastic dampers and base isolation system."; 2015; Vol. 5(5), Pg. 415-423.
- (15) Vignesh Chellappan and Das S; 'International Journal of Applied Engineering Research'; "Optimization of Composite Laminates using Simulated Annealing Algorithm using different Failure Criteria", Nov', 2015; doi: 19/10/13861-13868.
- (16) Saha, A and Majumder, M, 'Applied Mathematics and Computation'; "Median based conversion of SGPA into percentage by cognitive methods"; Sept' 2015, Vol. 266, 1, Pg. 1153-1162, ISSN 0096-3003.
- (17) arkar A, and Majumder M; 'Journal of Advanced Agricultural Technologies'; "Opportunities and Challenges in Sustainability of Vertical Eco-Farming: A Review"; Dec' 2015; Vol. 2, No. 2, doi: 10.12720/joaat.2.2.98-105.
- (18) Majumder M, Das S, Chakraborty T,' International Journal of Grid and Distributed Computing'; "Identification and Mitigation of Difficulties in Hydro Power Generation in Tripura using MCDM and Cost Effective Analysis"; Oct-15; Vol. 8, No.5; Pg. 183-196; http://dx.doi.org/10.14257/ijgdc.2015.8.5.18.

- (19) Das, B., Saha, R., Haldar S; 'Soil Dynamics and Earthquake Engineering'; "Effect of insitu variability of soil on seismic design of piled raft supported structure neorporating dynamic soil-structure-interaction"; 2016; Vol. 85, Pg. 251–268.
- (20) Chanda, D. and Saha, R; 'The International Reviewer'; "Concrete dynamic response of pile foundation supported structure considering in-situ variability of soil and modeling uncertainty"; 2016; Vol 3 (2); Pg. 37-40; ISSN 2395-1575.
- (21) Saha, R., Pal A., Haldar S; 'Geotechnical Special Publication, ASCE'; "Appraisal of insitu variability and modeling uncertainty of dynamic soil-piled raft-structure interaction on seismic response: A probabilistic approach"; 2016, Geo-Chicago 2016, Pg. 621-630, 10.1061/9780784480151.061
- (22) Debnath, A., Deb, K., Das, N. S., Chattopadhyay, K. K., & Saha, B; 'Journal of Dispersion Science and Technology'; "Simple Chemical Route Synthesis of Fe2O3 Nanoparticles and Its Application for Adsorptive Removal of Congo Red From Aqueous Media: Artificial Neural Network Modeling"; 2016, Vol. 37; Pg. 775-785; Print ISSN: 0193-2691 Online ISSN: 1532-2351.
- (23) Debnath, A., Majumder, M., & Pal, M; 'Arabian Journal for Science and Engineering'; "Potential of Fuzzy-ELECTRE MCDM in Evaluation of Cyanobacterial Toxins Removal Methods"; 2016, Vol. 41, Pg. 3931-3944, ISSN: 1319-8025 (Print) 2191-4281 (Online).
- (24) D. Tripura and K.D. Singh; 'Structures and Buildings (Proceedings of Institution of Civil Engineers (ICE) UK)'; "Cement-stabilized rammed earth square column in compression", 2016, Vol 169 (4), Pg. 298-311; DOI: 10.1680/jstbu.14.00122 (SCI).
- (25) Ghosh, S, Chakraborty, T., Saha, S., Majumder, M and Pal. M; 'Renewable and Sustainable Energy Reviews'; "Development of the location suitability index for wave energy production by ANN and MCDM techniques"; Jun-16; Vol. 59 (2016); Pg. 1017-1028.

In Proceedings of National Conference:

Authors	Journal/ Proceeding name	Title of paper	Publication Date(dd/ mm/yyyy)	Page no
Sadrita Dutta and Dr. Sujit Kumar Pal	Indian Geotechnical Conference, IGC-2015	Study of Column Constructed by Pond Ash and Plastic Threads Installed in Silty-Clay Soil	17 th - 19 th December, 2015	IGC 2015- 416
Tanaya Deb and Dr. Sujit Kumar Pal	Indian Geotechnical Conference, IGC-2015	2D Model Study on Slip Surface around Belled Anchor Pile under Uplift in Cohesionless Soil	17 th - 19 th December, 2015	IGC 2015- 415
Bipul Sen and Dr. Sujit Kumar Pal	Engineering Problems and Application of Mathematics 2016	Influence of Finer Fraction and Water Table on Compaction and Consolidation characteristics of Soils of Agartala City	2016	39

Saha R and Chanda D.	Proceedings of North East Students Geo Congress 2016 , NIT Agartala, India.	Dynamic response of pile foundation considering in-situ variability of soil and modeling uncertainty	22 nd January, 2016	
Mallik P., and Saha R	Proceedings of North East Students Geo Congress 2016 , NIT Agartala, India.	Parametric Study on Failure of Bridge structures in the Liquefied Soil	22 nd January, 2016	
Brahma U., and Saha R	Proceedings of North East Students Geo Congress 2016 , NIT Agartala, India.	An experimental study on the dynamic response of rigid model container with foam as boundaries	22 nd January, 2016	
Srusthi Rath, Dipankar Sarkar	NES Geocongress 2016	Utilization of phosphogypsum as subgrade modifier	22 nd January, 2016	315-323
Priyadarshini Saha Chowdhury, Sonu Kumar, Suman Debnath, Dipankar Sarkar	NES Geocongress 2016	Evaluation of the Nano material Mixed soil as subgrade material	22 nd January, 2016	76-85

In Proceedings of International Conference:

Journal/ Proceeding name/ Place of the Conference	Title of paper	Name of the participants	Publication Date (dd/mm/yyyy)
Soil Dynamics and Earthquake Engineering	Effect of in-situ variability of soil on seismic design of piled raft supported structure incorporating dynamic soil-structure-interaction.	Das, B., Saha, R., Haldar S.	2016
The International Reviewer	Concrete dynamic response of pile foundation supported structure considering in-situ variability of soil and modeling uncertainty	Chanda, D. and Saha, R.	2016

Geotechnical Special Publication, ASCE.	Appraisal of in-situ variability and modeling uncertainty of dynamic soilpiled raft-structure interaction on seismic response: A probabilistic approach	Saha, R., Pal A., Haldar S.	2016
Journal of Dispersion Science and Technology	Simple Chemical Route Synthesis of Fe ₂ O ₃ Nanoparticles and Its Application for Adsorptive Removal of Congo Red From Aqueous Media: Artificial Neural Network Modeling	Debnath, A., Deb, K., Das, N. S., Chattopadhyay, K. K., & Saha, B	2016
Arabian Journal for Science and Engineering	Potential of Fuzzy- ELECTRE MCDM in Evaluation of Cyanobacterial Toxins Removal Methods	Debnath, A., Majumder, M., & Pal, M.	2016
Journal of Urban Planning and Development	Quantification and Analysis of Land-Use Effects on Travel Behavior in Smaller Indian Cities: Case Study of Agartala	Partha Pratim Sarkar, Mallikarjuna Chunchu	21 st March, 2016
Advances in materials Science and Engineering	Evaluation of the Properties of Bituminous Concrete Prepared from Brick-Stone Mix Aggregate	Dipankar Sarkar, Manish Pal, Ashoke K. Sarkar, and Umesh Mishra	Jan-16
Structures and Buildings (Proceedings of Institution of Civil Engineers (ICE) UK)	"Cement-stabilized rammed earth square column in compression."	D. Tripura and K.D. Singh	2016

Monograph publications:

- Majumder, M., 10th March 2016. Minimization of Climatic Vulnerabilities on Mini-hydro Power Plants: Fuzzy AHP, Fuzzy ANP Techniques and Neuro-Genetic Model Approach, ISBN: 978-9812873132, Springe, Singapore.
- Roy, U. and Majumder, M., 6th January 2016, Vulnerability of Watersheds to Climate Change Assessed by Neural Network and Analytical Hierarchy Process, ISBN: 978-9812873439, Springer, Singapore.

• Majumder, M., 6th May 2015, Impact of Urbanization on Water Shortage in Face of Climatic Aberrations, ISBN: 978-9814560726, Springer, Singapore.

Distinguished Visitors to the Departments:

Disti	Distinguished Visitors to the Departments:					
Sl. No.	Name of the Visitors and Designation	Date of Visit	Purpose of Visit			
1	Prof. Bhargab Maitra, Professor, I.I.T. Kharagpur	9 th – 12 th May, 2015	To serve as an External Examiner of 4th Semester, M.Tech. (Transportation Engg.) under Civil Engg. Deptt.			
2	Prof. D.K. Baidya, Professor, I.I.T. Kharagpur	10 th – 12 th May, 2015	To serve as an External Examiner of 4th Semester, M.Tech. (Geotechnical Engg.) under Civil Engg. Deptt.			
3	Prof. Satyabrata Choudhury, Professor, NIT Silchar	10 th – 12 th May, 2015	To serve as an External Examiner of 4th Semester, M.Tech. (Structural Engg.) under Civil Engg. Deptt.			
4	Prof. Somnath Mukherjee, Professor, Jadavpur University	10 th -12 th May, 2015	To serve as an External Examiner of 4th Semester, M.Tech. (Environmental & Hydro Informatics Engg.) under Civil Engg. Deptt.			
5	Prof. Kalyan Kr. Bhar, Professor, IISET, Kolkata	12 th – 13 th May, 2015	To serve as an External Examiner of 4th Semester, M.Tech. (Water Resources Engg.) under Civil Engg. Deptt.			
6	Prof. Laxman N Nandagiri Professor, National Institute of Technology, Karnataka, Surathkal	15 th September, 2015	To present a lecture on "Placement of Civil Engineering Students".			
7.	Prof. Virendra Kumar Paul Professor, Department of Building Engineering and Management, School of Planning and Architecture, Delhi	16 th September, 2015	Presented a lecture on "Emerging Technologies in construction."			
9	Dr. Gajanan M. Sabnis, Emeritus Professor, Howard University, Washington DC, USA	7 th - 8 th October, 2015	Presented a series of Lecture Program related to technical writing and emerging trends in Civil Engineering			
8	Dr. N.C.Ghosh, Scientist-G & Head, Ground Water division, National Institute of Hydrology, Roorkee, Uttarakhand	16 th October, 2015	Lecture on "Ground Water Prospect and Challenges of India".			

6.7 Institute – Industry Collaboration:

The department is engaged in R&D activities in collaboration with different eminent industrial houses. Both the undergraduate and postgraduate students are actively participating in these collaborative activities.

6.8 Industrial Consultancy and Sponsored Research:

Sponsored research and industrial consultancy works are being taken up by the department to find out innovative strategies to mitigate natural disasters and also for the upliftment of the society at large.

6.9 Other Activities:

- I. This department is acting as a nodal department of the State Disaster Management Programme.
- II. STA in PMGSY.

7.0 CHEMICAL ENGINEERING DEPARTMENT

7.1 Introduction:

The Department of Chemical Engineering along with its modern laboratory facilities offers premier technical support to the students and the faculty members to improve their technical skills and build upon their knowledge. Sufficient propulsive and proactive faculty members are rendering their best services to build up the real educational atmosphere and academic journey. Research laboratories are being developed as per present day cutting edge technology. Mrs Soma Nag is the HoD of the department. The department is also mentoring the Bio Engineering Department since its inception and Dr. T.K.Bandyopadhyay, Assistant Professor of this department is acting as HoD for the Department of Bio Engineering.

The department had framed the course curriculum based on the need of today's industries and updates the entire course curriculum on a regular basis by organizing workshops, which are attended by the academicians and technologists from IITs, NITs and institutes of national repute. The department is exploring research opportunities in the field of Biofuels, Systems Biology, Nanotechnology, Computational fluid dynamics, Environmental Engineering and waste treatment, Adsorption, Polymer and rubber, Catalytic reactor, Membrane separation, Membrane distillation, Liquid membrane, Artificial intelligence in Chemical Engineering from the existing faculty members. Faculty members had initiated their research work after being funded by several funding authorities such as DBT, DST, AICTE, TIFAC.

Faculty members are encouraged to attend abroad workshops/seminars to enrich their knowledge through inter and intra scientific fraternity interactions. This year several faculty members have also visited various universities, IITs and other institutes to attend seminars, workshops and lectures. Presently, the department is furnished with more than hundred peer reviewed journals, conference publications/proceedings and several book chapters.





Along with the academic curriculum of the department, the students are also involved in several cultural, technical and sports events. Every year students from the department of Chemical Engineering actively participate in Advaitam, the techno-cultural fest of NITA, and receive hearty appreciation. Our students have also shown their spark at the Inter NIT Sports Tournament held at NIT Calicut and NIT Allahabad. Alongside classes, we also organize an

annual branch picnic where teachers and students come together to spend a day in a refreshing and jovial mood. Recently the Department has also formed the Association of Chemical Engineering Students (ACES) where the students hold events to nurture the all-round development of themselves through several activities such as Group Discussions, Seminars, Quizzes and Aptitude sessions, Industrial Visits etc.

More than 60% B.Tech students are placed through campus recruitments and many of them have excelled in various competitive exams like GATE, GRE etc and joined foreign universities and universities of national importance for higher education. The departmental students are employed at SHARP, Vedanta, IBM, Infosys, mu-sigma, Oracle, CGI, IOCL etc. Most of the current students have also taken interns at institutes like IITs, ICTs and industries like Oil industry, metal processing industries, food processing industries etc.

7.2 Academic Programme:

The department offers courses for Under Graduate programme leading to B. Tech degree under Chemical Engineering (4 years), M.Tech degree in Chemical Engineering (2 years) and Doctoral degree in Engineering.

Students on Roll:

Programme	1 st semester	3 rd semester	5 th semester	7 th semester	Others	Total
B. Tech.	46	45	45	46	ı	182
M. Tech	-	06	-	-	-	06
Ph. D.	-	01	03	-	_	04
Total	46	52	48	46	-	192

• Lab Facilities :

The Chemical Engineering Department has Fluid Mechanics, Mechanical Operation, Heat Transfer, Mass Transfer, Fuel & Combustion, Reaction Engg., Process Design, Environmental Engg. and Chemical Process Control Laboratories.

7.3 Faculty and their Activities:

Short-Term Courses/ Workshops/ Seminar/ Symposia/ Conferences organized by the faculty members:

S1. N	Vo.	Co-ordinators	Title	Date
01.	Dr. Sudev Das	National Workshop on "Advances in Two Phase	25 th to 26 th	
	DI. Sudev Das	Flow and Heat Transfer" sponsored by TEQIP	March, 2016	

Short-Term Courses/ Workshops/ Seminars/ Symposia/ Conferences/ Training attended by the Faculty in Academic Institutions and Public Sector Undertakings:

S. N.	. Name of Fa	culty	Title	Period
Wor	kshop:	•		
1.	Mrs. Soma	Nag	Workshop on "Environmental studies" by sponsored IIT Bombay	2 nd – 12 th June, 2015
			Workshop on "Techniques in Bioinformatics" sponsored by TEQIP, NITA	7 th - 8 th August, 2015 21 st
2.	Dr.Kalyan C	layen	Workshop on "Advances in Algal Biotechnology"	November,
3.	Mr. Bibh Kumar Lo		Workshop on "Environmental studies" by sponsored IIT Bombay	2015 2 nd - 12 th June, 2015
4.	Dr. Mrigar Sekhar Ma		Workshop on "Advances in Two Phase Flow and Heat Transfer" sponsored by TEQIP, NITA	June, 2015 25 th - 26 th March, 2016
5.	Dr. Sudev	Das	Workshop on "Advances in Two Phase Flow and Heat Transfer" sponsored by TEQIP, NITA Workshop on "Recent Advancement in Soft Computing Techniques" organized by NIT Agartala	25 th - 26 th
			Workshop on "National Workshop on Techniques in Bioinformatics" organized by DBT and NIT Agartala.	7 th -8 th August, 2015
Conf	ference:	•		
1	Dr. Srimanta Ray	tita	brication and characterization of an immobilized anium dioxide (TiO ₂) nanofiber photo catalyst", national Conference on Recent Advances In Nano Science And Technology,	8 th -10 th July, 2015
	Mas Como	Adsorption of Cr(VI) from aqueous solutions on coconut shell powder in fixed bed column", CHEMCON2015, Accepted for oral presentation at IIT Guwahati, India,		27 th -30 th December, 2015
2.	Mrs. Soma Nag "Removal of Chromium (VI) from Aqueous Solutions using Rubber Leaf Powder: batch, column and ANN studies", Golden Jubilee International Conference on Recent Advances in Chemical and Biochemical Engineering Durgapur, India		2 nd - 4 th October, 2015	
2	Dr. Tarunkanti	re	Optimization of nutritional and physiochemical quirements on acidic xylanase production from Aspergillus niger KP874102.1, ICABET	3 rd March,2016
3.	Bandyopadh yay	Con	D analysis of Non-Newtonian fluid flow through curved geometry. Golden Jubilee International ference & Recent Developments in Chemical and chemical Engineering GJIC – 2015 organized by,	October, 2015

		NIT, Durgapur			
		Enzymatic hydrolysis of pre-treated liquid for the production of fermentable sugar from Banana Pseudo stem (Musa acuminata) organized by , HIT, Kolkata, India	20 th -22 nd January, 2016		
		"Isolation of potential microalgae/cyanobacteria from Tripura and biochemical characterization, CHEMCON 2015, IIT Guwahati	27 th -30 th December, 2015		
4	Dr. Kalyan Gayen	"Elementary mode analysis for butanol production from fermentable sugars from lignocellulosic biomass, CHEMCON 2015, IIT Guwahati	27 th -30 th December, 2015		
		Acid pretreatment for the production of fermentable sugars from Banana Pseudo stem (Musa acuminata) CHEMCON 2015, IIT Guwahati	2015 27 th -30 th December, 2015		
		Isolation of potential microalgae/cyanobacterial strains from north-east region of India for biodiesel and other value added products	21 st November, 2015		
5	Dr. Sudev	National Conference on "30th National Convention of Production Engineer and National Seminar on Sustainable Manufacturing" organized by IEI and NIT Agartala	18 th -19 th July, 2015		
<i>3</i>	Das	National Conference on "Technological Innovations, Design, and Sustainable Product Development in Handloom and Textile Industry" Organized by Tripura State Centre, Institute of Engineer (India	7 th -08 th March, 2015		
6	Mr. Bibhab Kumar Lodh	68th Annual Session of Indian Institute of Chemical Engineers, CHEMCON 2015, IIT Guwahati, India	27 th -30 th December, 2015		
7	Dr. M.S. Manna	Optimization Of Parameters For The Efficient Extraction Of Catechins From Tea Leaves And Prediction Through ANN, CHEMCON 2015, IIT Guwahati, India Stability Analysis Of Supported Liquid Membrane (SLM) Through Transportation Of Phenol, CHEMCON 2015, IIT Guwahati, India.	27 th -30 th December, 2015		
		Development Of Nano-Electrocatalysts For Electrochemical Reduction Of CO ₂ To Fuel, CHEMCON 2015, IIT Guwahati, India			
Shor	Short Term Course:				
01	Dr. Sudev Das	Three Month Off-Campus Outreach Certificate Programme "Remote Sensing, Geographical Information System & Global Navigation Satellite System", Organized by National Natural Resources Management System.	10 th August - 27 th November, 2015		
		Two Week ISTE STTP on Environmental Studies, Under the National Mission on Education through ICT,	2 nd - 12 th June, 2015		

		MHRD	
0	2 Mrs. Soma Nag	Recent Trends on Physics of Matter: A Quest for Interdisciplinary Functionality organized by NIT Agartala	10 th April, 2015

Fellowships of Academics and Professional Societies:

Sl. No.	Name of Faculty	Level	Year		
ISTE/ CSI and others					
1	Soma Nag	Member, IE(I)	1991		
2	Dr. Tarun Kanti Bandhyopadhya	Member, IIChE	1994		
3	Dr. Srimanta Ray	Canadian Association of	2010		
		Water Quality, Canada			
4	Dr. Kalyan Gayen	Member, IIChE, IE(I)	2012		
5	Mr Bibhab Kumar Lodh	Member, IIChE, IE(I)	2012		
6.	Dr. Ajoy Kr Manna	Member, IIChE,	2009		
7.	Dr. Mriganka Sekhar Manna	Member, IIChE, IE(I)	2014		
8.	Dr. Sudev Das	Member ISHMT, IE(I)	2012,2015		

7.4 Research and Consultancy:

Sponsored Research Projects:

Sl. No.	Title	Period	Funding Agency	Amount (in lakhs)	Co- ordinators
1	Isolation and characterization of micro-organisms/micro-algae from north east region and eastern Coal mines for biosequestration of CO2 and its utilization towards generation of bio-fuel	2013- 16	Department of Biotechnology (DBT), India	68.9	Dr. K Gayen (PI)
2	Identification and characterization of intracellular and extracellular cues for phase shifting from acidogenesis to soventogenesis in Clostridium acetobutylicum	2014- 2017	Department of Biotechnology (DBT), India	60.39	Dr. Kalyan Gayen, PI

Research Publications:

Total No. of papers published in Refereed International Journals	:	07
Total No. of papers published in Refereed National Journals	:	01
Total No. of papers presented in National Conference	:	03
Total No. of papers presented in International Conferences	:	08
Total No. of patents	:	03

In Refereed National Journals:

Name of the Authors published in National Journals	Title of the Journals	Date of Publication of the paper	Issue/Volume No./Page No.
T. K. Bandyopadhyay and S. K. Das	Journal of The Institution of Engineers (India): Series E	30 th March, 2016	Issue 1,Volume 97, pp 9–18

In Refereed International Journals:

Name of the Authors	Title of the Journals	Date of	Issue/Volume
published in		Publication	No./Page No.
International Journals		th	
Sudev Das, D.S. Kumar,	Applied Thermal	10 th December,	Volume 96, Pages
Swapan Bhaumik;	Engineering	2015	555–567
Soma Nag, Abhijit	Desalination and Water	1 st September,	Issue 36,Volume
Mondal, Umesh Mishra,	Treatment	2015	57, 16927-16942.
Nirjhar Bar, Sudip			
Kumar Das			
T. K. Bandyopadhyay,	International Journal of	2015	Issue No.
Suman Debnath, Apu	Mathematics and		4,Volume 26
Kumar Saha, Mrinmoy	Computation		·
Majumder;	•		
Ajay K. Manna, Parimal	Chemical Engineering	10 th	Volume 99, Pages
Pal;	and Processing: Process	November,	51–57
	Intensification	2015	
Kamal Kumar Bhatluri,	Journal of Hazardous	15 th December,	Volume 299,
Mriganka Sekhar Manna,	Materials	2015	Pages 504–512
Aloke Kumar Ghoshal,			
Prabirkumar Saha;			
Kamal Kumar Bhatluri,	RSC Adv.	8 th October,	Vol 5, Pages
Sushma Chakraborty,		2015	88331-88338.
Mriganka Sekhar Manna			
Aloke Kumar Ghoshala			
and Prabirkumar Saha			
Aman Kumar, Mriganka	Journal of Environmental	1 st March,	Issue 1,Volume 4,
Sekhar Manna, Aloke	Chemical Engineering	2016	Pages 943–949.
Kumar Ghoshal,			
Prabirkumar Saha;			

In Proceedings of National Conference:

Name of the Conference	Place of the	Name of the	Date/ Duration
	Conference	participants	
National Conference On	LIT Nagpur,	Pathak A.H., Bibhab	27 th -28 th
Recent Trends In Chemical		Kumar Lodh, Tarun K.	February, 2016
Engineering And Chemical		Bandyopadhyay	
Technology			
Advances in Algal	IIT Bombay,	Saumyakanti Khanra,	21 st November,
Biotechnology	India	Ashmita Ghosh, O. N.	2015
		Tiwari, Tridi Kumar	
		Bhowmick and Kalyan	
		Gayen	
Recent developments in	NIT, Durgapur	Tarun Kanti	2 nd - 4 th
chemical and biochemical		Bandyopadhyay,	October, 2015
engineering, Golden Jubilee		Suman Debnath, Apu	
International Conference		Kumar Saha	

In Proceedings of International Conference:

Name of the Conference	Place of the Conference	Name of the participants	Date/ Duration
68th Annual Session of Indian Institute of Chemical Engineers (CHEMCON 2015)	IIT Guwahati	Soumya Deep Das Bibhab Kumar Lodh, Tarun K. Bandyopadhyay	27 th -30 th December, 2015
68th Annual Session of Indian Institute of Chemical Engineers (CHEMCON 2015)	IIT Guwahati	Aniruddha Das, Debika Choudhury, Tridib Kumar Bhowmick, Dijendra Nath Roy, Supreet Saini and Kalyan Gayen	27 th -30 th December, 2015
68th Annual Session of Indian Institute of Chemical Engineers (CHEMCON 2015)	IIT Guwahati	Tarun Kanti Bandyopadhyay, Suman Debnath, Apu Kumar Saha	27 th -30 th December, 2015
68th Annual Session of Indian Institute of Chemical Engineers (CHEMCON 2015)	IIT Guwahati	Soma Nag, Umesh Mishra, Sudip Kumar Das	27 th -30 th December, 2015
68th Annual Session of Indian Institute of Chemical Engineers (CHEMCON 2015)	IIT Guwahati	Ashmita Ghosh, Tridib Kumar Bhowmick, Saumyakanti Khanra, Madhumanti Mondal, Gopinath Halder, O. N. Tiwari and Kalyan Gayen	27 th -30 th December, 2015
68th Annual Session of Indian Institute of Chemical Engineers (CHEMCON 2015)	IIT Guwahati	Dibyajyoti Haldar, Saikat Biswas, Dwaipayan Sen and Kalyan Gayen	27 th -30 th December, 2015

International Conference on Advances in Bioprocess Engineering and Technology (ICABET),	HIT, Kolkatta, India	Dibyajyoti Haldar, Saikat Biswas, Dwaipayan Sen and Kalyan Gayen,	20 th -22 nd , January, 2016
68th Annual Session of Indian Institute of Chemical Engineers (CHEMCON 2015)	IIT Guwahati	Shishodia, K. Kumar, M.S. Manna Aman Kumar, M.S. Manna, A.K. Ghoshal, P. Saha J. Hazarika, M.S. Manna, L. Aheshala	27 th -30 th December, 2015

Patent Published:

Inventor Name	Year	Title	Published source	Patent version no.	Patent application no.
S. Ray; D. Das; R. Bhattacharjee	2015	A Membrane Independent Offgrid Hybrid Power System Date of filing: January, 201			IN 2016310005 86
Manna Mriganka Sekhar	2015	Separation of heavy metals from waste water by electrodeposition integrated supported liquid membrane	Date of fili	ng: 2015	733/KOL/20 15
Uday U. S. , Bandyopadhyay T. K. , Bhunia B.	2015	Acidophilic xylanases enzyme with broad pH activity from Aspergil lus niger.	Indian pate on 19 th Fe 201	bruary,	2016310057 66

Distinguished Visitors to the Departments:

Sl. No.	Name of the Visitors and Designation	Date of Visit	Purpose of Visit
1.	Dr Arunabha chowdhury, Chief Manager,	25 th March,	As External
	ONGC Tripura Asset	2016	Expert
3.	Prof. G Srinikethan, NIT Karnataka	29 th February, 2016	As Mentor

8.0 CHEMISTRY DEPARTMENT

8.1 Introduction:

The Department of Chemistry aims to be the best provider of chemical education within the Northeast region and to be a leader in research, publications and scholastic excellence. We are committed to providing a stimulating learning environment for our students, courses that are relevant and an experience that is world-class whether judged by local or international standards. Our goal is to present the content of chemistry set in a current and relevant context for engineers. As this is a support course taken usually in the first year, we also have goals related to the improvement of skill levels pertaining to the use of technology and communication. We add to this a conscious effort to foster attitudes of lifelong learning and appreciation for chemistry as a core of knowledge.

The Chemistry department believes in and supports the study, teaching and understanding of chemical principles across a wide spectrum of areas: inorganic, organic, physical. Dedicated to excellence in graduate and undergraduate education, the chemistry faculty teaches all lab sections and evaluates and grades all assignments. Our department believes chemistry occupies a central position in the physical sciences. The faculty and staff of the Chemistry department complement their love of teaching and learning with a strong sense of community. Our department functions as an active community of educators and interacts closely with our students. Working collaboratively, we strive to develop better capabilities in science and a better understanding of the learning process. Most importantly, we sincerely hope our students acquire the skills and confidence to become lifelong learners.

8.2 Academic Programme:

The Department of Chemistry conducts B.Tech courses, 5-year integrated BS-MS, 2 years M.Sc. programme in Chemistry. Department has offered Engineering Chemistry for first and second semester students of various engineering branch run in our institute. Department also offers Advanced Engineering Chemistry for 4-semester Chemical Engineering Department. The department has started 5 year integrated BS-MS dual programme from 2013 academic session. The course curriculum and syllabus was formulated with the help of Professors from reputed institutions of our country like IISc. Bangalore, IIT Kharagpur etc. The department has an intake capacity of 10 students per session for MSc. programme and 20 students per session for dual BS-MS programme. Department has also enrolled for Ph.D. programme in Chemistry every year depending on the availability of seats.

Semester wise number of students

Course	Semester	Number of students
M.Sc	I	09
M.Sc	III	07
BSMS Dual	I	03
BSMS Dual	III	09
BSMS Dual	V	15
BSMS Dual	VII	06

The Department has developed infrastructure for carrying out the research work in various fields such as natural product chemistry, organic synthesis, organometallic chemistry, coordination chemistry, Green chemistry, bioinorganic and nanotechnology.

8.3 Lab Facilities:

B.Tech laboratory has been well developed with necessary equipments and furniture. Since MSc Chemistry curriculam has been started, the department has developed separate laboratory for B.Tech, BS-MS and MSc courses with necessary equipments like water purification system, Muffle furnace, stirrers, pH-meter, sonicator, steambath, etc. In addition, the department has an instrument laboratory equipped with UV-vis, Spectrofluorimeter, Dynamic Light Scattering, Zeta-potential analyser, IR-spectroscopy, Solar energy device, Cyclic voltammeters, Differential Scanning Calorimeter, etc.









Departmental Lab facilities

8.4 Faculty and their Activities:

Short-Term Courses/ Workshops/ Seminars/ Symposia/ Conferences/ Training attended by the Faculty in Academic Institutions and Public Sector Undertakings:

,		3113 0110 2 010 010 200001 0 110001 0 110001 0 200	
Sl. No.	Name of Faculty	Title	Period
1		"New Frontiers in Chemistry from	18 th -19 th
	Dr. Tarun K Misra	Fundamentals to Applications (NFCFA	December, 2015
		2015)" sponsored by Department of	
		Chemistry, BITS Pilani, Goa.	
2		"International Conference on Recent	28 th -30 th
		Trends in Analytical Chemistry	December, 2015
		(ICORTAC-2015)" sponsored by	
		Department of Analytical Chemistry,	
		University of Madras.	

3	Dr. Mitali Saha	"International conference on emerging	2 th -4 th December,
		trends in science and engineering	2015
		research (ETSER-2015)" sponsored by	
		Department of basic sciences and	
		humanities, National Institute of	
		Technology, Manipur, India	
4	Dr. K. S. Singh	Internation Conference on Applied	17 th -18 th October,
		Chemistry, Houston, USA	2016

Fellowships of Academics and Professional Societies:

Sl. No.	Name of Faculty	ISTE/ CSI and others	Level	Year
1.	Dr. Saroj Kr.Das	Indian Chemical Society	Life Member	1995
2.	Dr. Tarun K.	Indian Science Congress Association;	Life Member	2013
	Misra	Indian Chemical Society		2014
3.	Dr. K. S. Singh	Indian Science Congress Association	Life Member	2007
4.	Dr. Mitali Saha	Indian Carbon Society	Life member	2011
		-		
5.	Mr. Mithun	Tripura Chemical Society	Life Member	2012
	Chakraborty	-		

8.5 Research and Consultancy: Sponsored Research Projects:

Sl.	Title	Period	Funding Agency	Amount	Co-ordinators
No.				(in lacs)	
1.	Design an efficient method	2012-2015	Department of	47.37	Dr. Saroj Kr.
	for the synthesis of some		BioTechnology		Das
	RNA nucleobases				
2.	Metal nanoparticle with a	2014-2016	Department of	40.73	Dr. Tarun K.
	knack for anion/molecular		Science and		Misra
	recognition: Synthesis,		Technology-		
	water dispersion, sensing		Nanomission		
	and bio-conjugation				
4.	Nano material based solar	2012-2015	Central Power	25.00	Dr. Mitali Saha
	cell.		Research Institute		

Research Publications:

Total No. of papers publishesd in Referred International Journals : 12

In Refereed International Journals:

Sl.	Name of the Authors published in	Title of the	Date of the	Issue/Volume
No	International Journals	Journals	publication	No./ Page No.
1	S. Roy, I. Oyarzabal, J. Vallejo, J.	Inorganic	2016	10.1021/acs.in
	Cano, E. Colacio, A. Bauza, A.	Chemistry		orgchem.6b01
	Frontera, A.M. Kirillov, M G. B.			087

	Drew and S. Das,			
2	R. Banik, S. Roy, A. M. Kirillov, A. Bauza, A. Frontera, A. Rodriguez-Dieguez, J. M. Salas, W. Maniukiewicz, S. K. Das, S. Das,	Engineering		18, 5647– 5657.
3	M. Roy, S. Roy, N.M. Devi, C.B. Singh and K.S. Singh,	Journal of Molecular Structure	2016	439, 164-172
4	S. Roy, A. Bauza, A. Frontera, F. Schaper, R. Banik, A. Purkayastha, B.M. Reddy, B. Sridhar, M.G.B. Drew, S.K. Das and S. Das	Inorganica Chimica Acta	2016	440, 38-47.
5	D. Debnath, A. Purkayastha, R. Choudhury and T. K. Misra	Journal of the Chinese Chemical Society	7 th March,2016	63,553-640
6	R. Choudhury, A. Purakayastha, D. Debnath and T. K. Misra;	Journal of Molecular Recognition	16 th March, 2016	29, 451-461
7	C. Debnath, D. Debnath and T. K. Misra	Journal of Indian Chemical Society	2015	92, 1337-1347
8	A. Dutta, S. Das, A. Paul, and A. chattopadhyay	Journal of Nanoparticle Research	10 th ,June 2015	17,260-260
9	D. Debnath, S. Roy S. B. –H. Li, C. –H, Lin and T. K. Misra	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2015	140, 185-197
10	R Banik, S Roy, A Bauza, A Frontera and S Das	RSC Adv.,	2015	5, 10826
11	S. Roy, A. Bauza, A. Frontera, R. Banik, A. Purkayastha, M. G. B. Drew, B. Sridhar, B. M. Reddy, S. K. Das and S. Das,	Crystal Engineering Communica	2015	<i>17</i> , 3912-3916.
12	R. Banik, S. Roy, A. Bauza, A. Frontera, A. Rodríguez-Diéguez, J. M. Salas, A. M. Kirillov, S. Chowdhury, S. Kr. Das and Subrata Das,	Inorg. Chim. Acta,	2015	435, 178–186.

Distinguished Visitors to the Departments:

Sl. No.	Name of the Visitors and Designation	Date of Vi	isit	Purpose of Visit
1	Prof. M.K.Singh, TU, Tripura	13 th M	lay,	External Examiner of M.Sc (4 th sem.)
		2015		Project Work

9.0 COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

9.1 Introduction:

The Department of Computer Science and Engineering of National Institute of Technology Agartala offers undergraduate and postgraduate programme in Computer Science and Engineering where students are encouraged to acquire knowledge with an integrated thinking on education, research & development, application and training. The students are provided knowledge to understand the fundamentals of basic sciences and humanities, knowledge in inter-disciplinary areas, innovation, problem solving abilities, intellectual, honest and professional ethics and capacity for team work in national and international environment. The first undergraduate batch rolled out in the year 2003. Since its inception in 1999, the department has always been recognized for excellence.





Department of Computer Science and Engineering

9.2 Academic Programme:

This Institute offers courses of study and facilities for research leading to B.Tech, M.Tech, MCA and Ph.D under Computer Science & Engineering. The department currently offers the following programmes:-

Under Graduate Programmes:

• B.Tech in Computer Science & Engineering (Total 8 Semesters / 4 years).

Post Graduate Programmes:

- M.Tech in Computer Science & Engineering (Total 4 Semesters / 2 years)
- MCA (Total 6 Semesters / 3 years)
- Ph.D

9.2.1 Students Enrolled:

Programme	1 st semester	3 rd semester	5 th semester	7 th semester	Total
B. Tech		86	83	77	246
M. Tech	9	12			21
Ph. D.					15
MCA	15	31	34		80
Total					

9.3 Lab Facilities:

The Computer Science & Engineering Department has Central Computing, Software Engineering, Computer Programming, Digital Electronics & Microprocessor, System Programming, Data Analytics, DBMS, AI & HCI, Information Security, Multimedia & Web Technology, Project and Data Communication & Computer Network.

9.4 Faculty and their Activities:

Short-Term Courses/ Workshops/ Seminar/ Symposia/ Conferences organized by the faculty members:

Short Term Courses:

Sl.	Co-ordinators	Title	Period
No.			
1	Mr. Suman Deb	2 Days National Workshop On "Human Computer	15 th -16 th
		Interaction" (worked as Co-Cordinators)	February,
			2016
		2 Days National Workshop on" Android Apps	$10^{\text{th}} - 11^{\text{th}}$
		Development" (worked as Co-Cordinators)	March, 2016
		2 Days National Conference On" Assistive	20 th -21 st
		Technology For Persons With Disabilities" (worked	February
		as Co-Cordinators)	2016

		One day workshop "Intel HPC code modernization"	6 th August
		(Parallelization)(Technical committee member)	2015
		1 day workshop on "Study Connec"t(worked as Co-	15 th July
		Cordinators)	2015
2	Mr. Ashim Saha	1 day Workshop on	6 th August,
		"INTEL HPC Code Modernization (Parallelization)"	2015.
3	Mr. Ashim Saha	2 Days National Workshop on "Android Apps	$10^{\text{th}} - 11^{\text{th}}$
		Development"	March,2016

Short-Term Courses/ Workshops/ Seminars/ Symposia/ Conferences/ Training attended by the Faculty in Academic Institutions and Public Sector Undertakings:

Workshop:

Sl. No.	Name of Faculty	Title	Period
		Two days' workshop on "Optics and	8 th - 9th Oct,
		Photonics" at NIT Agartala	2015. 17 th - 20 th
		30 th Indian Engineering Congress by the	17 th - 20 th
		Institution of Engineers, India, Guwahati,	Dec,2015
		Assam.	
	Dr. Mrinal Kanti	"TEQIP – II Management Capacity	18 th - 22 nd Jan,
1	Debbarma	Enhancement Programme" conducted by	2016.
	Deobarina	Indian Institute of Management	
		Tiruchirappalli from	
		Two days National Workshop on "Human	15 th - 16 th
		Computer Interaction" at NIT Agartala.	Feb, 2016.
		Two days National workshop on "Android	
		App Development" at NIT Agartala during	March, 2016 22 nd - 26 th
	Mrs. Smita Das	One week short term training on "Advanced	$22^{\text{nd}} - 26^{\text{th}}$
5		Engineering optimization through intelligent	June, 2015
		techniques"	1
	Mr. Dwijen	ICON-2015	$11^{th} - 14^{th}$
6	Rudrapal		December,
	Rudrupui		2015 15 th -16 th Feb,
		2 Days National Workshop on "Human	
7	Mr. Anupam	Computer Interaction"	2016 10 th - 11 th
,	Jamatia	2 Days National Workshop on "Android	
		Apps Development"	March,2016 24 th - 26 th
		CELDA-2015: 12th International	
		Conference on "Cognition and Exploratory	October, 2015.
8		Learning in Digital Age"	
	Mr.Suman Deb	ERCICA-2015: Third International	31^{st} July -1^{st}
		Conference on "Emerging Research in	August, 2015
		Computing, Information, Communication	
		and Applications, "	
8	Mr. Ashim Saha	Two days National Workshop on "Human	15 th - 16 th Feb,
O	IVII. ASIIIIII Salla	Computer Interaction" at NIT Agartala.	2016.

		2 Days National Workshop on "Human	15 th -16 th Feb,
	Mrs. Moumita	Computer Interaction"	
9	Majumder	2 Days National Workshop on "Android	$\frac{2016}{10^{\text{th}} - 11^{\text{th}}}$
		Apps Development"	March,2016
	Mrs. Lalita	2 Days National Workshop on "Human	15 th -16 th Feb,
10	Kumari	Computer Interaction"	
	Kuman	2 Days National Workshop on "Human	2016 15 th -16 th Feb,
		Computer Interaction"	
	Miss Sharmistha	2 Days National Workshop on "Android	$\frac{2016}{10^{\text{th}} - 11^{\text{th}}}$
11	Majumder	Apps Development"	
	Wiajamaci	"SKANI101x: Basic 3D animation" using	March,2016 18 th Feb – 14 th
		Blender	
		One day workshop on "Intel HPC code	April,2016 6 th August,
		Modernization"	
		2 Days National Workshop on "Human	2015 15 th -16 th Feb,
		Computer Interaction"	
	Mr. Dhrubojyoti	2 Days National Workshop on "Android	$\frac{2016}{10^{\text{th}} - 11^{\text{th}}}$
12	Bhowmik	Apps Development"	
		2 Days National Workshop on "Human	March,2016 15 th -16 th Feb,
		Computer Interaction"	
			2016 $10^{th} - 11^{th}$
		2 Days National Workshop on "Android	-
		Apps Development"	March,2016 15 th -16 th Feb,
	Mr. Pathasarathi	2 Days National Workshop on "Human	
15	De	Computer Interaction"	$\frac{2016}{10^{\text{th}} - 11^{\text{th}}}$
	De	2 Days National Workshop on "Android Apps Development"	
		2 Days National Workshop on "Human	March,2016 15 th -16 th Feb,
	Mrs. Priyanka	Computer Interaction"	
16	Sarkar	2 Days National Workshop on "Android	$\frac{2016}{10^{\text{th}} - 11^{\text{th}}}$
	Sarkar	Apps Development"	March,2016
		2 Days National Workshop on "Human	15 th -16 th Feb,
	Mr. Prashant		2016
17	Bhardwaj	Computer Interaction" 2 Days National Workshop on "Android	$10^{\text{th}} - 11^{\text{th}}$
	Dilaiuwaj	Apps Development"	March,2016
		One day workshop on "Intel HPC code	6 th August,
		Modernization"	2015
	Mr. Tamal Biswas	2 Days National Workshop on "Human	15 th -16 th Feb,
18	Wii. Tailiai Diswas	Computer Interaction"	
		2 Days National Workshop on "Android	2016 10 th - 11 th
		_ -	
		Apps Development" One day workshop on "Intel HPC code	March,2016 6 th August,
		Modernization"	2015
	Mr. Saniih	2 Days National Workshop on "Human	15 th -16 th Feb,
19	Mr. Sanjib Debnath	Computer Interaction"	
	Deomani	2 Days National Workshop on "Android	$\frac{2016}{10^{\text{th}} - 11^{\text{th}}}$
		Apps Development"	March,2016
		Apps Development	Iviaicii,2010

		One day workshop on "Intel HPC code	6 th August,
	Mr. Rajib	Modernization"	2015
20		2 Days National Workshop on "Human	15 th -16 th Feb,
20	Chowdhuri	Computer Interaction"	2016
		2 Days National Workshop on "Android	$10^{\text{th}} - 11^{\text{th}}$
		Apps Development"	March,2016
		One day workshop on "Intel HPC code	6 th August,
		Modernization"	2015
21	Mr. Kishore	2 Days National Workshop on "Human	15 th -16 th Feb,
21	Kumar Dhar	Computer Interaction"	2016
		2 Days National Workshop on "Android	$10th - 11^{th}$
		Apps Development"	March,2016
		Workshop on "Emerging Areas in Wireless	1st -2nd
	Miss Tannistha Pal	Network and Communication "	August, 2015
		Workshop on "Big Data Analytics"	20 th -21 st
		Workshop on Big Data Analytics	August, 2015 20 th
		Workshop on "Computational Aspects of	20^{th}
22		Inflammatory Pain Related Diseases"	November,
			2015
		2 Days National Workshop on "Human	15 th -16 th Feb,
		Computer Interaction"	2016 $10^{\text{th}} - 11^{\text{th}}$
		2 Days National Workshop on "Android	
		Apps Development"	March,2016
		2 Days National Workshop on "Human	15 th -16 th Feb,
		Computer Interaction"	2016
23	Miss Purbani Kar	2 Days National Workshop on "Android	$10^{\text{th}} - 11^{\text{th}}$
23	1viiss i uivaiii ixai	Apps Development"	March,2016
		One day workshop on "Intel HPC code	6 th August,
		Modernization"	2015

Visits Abroad by Faculty:

Sl.No	Name of the	Place	Date	Purpose	
	Faculty	visited			
1.	Mr. Nirmalya	Maynooth,	Oct 24-26,	To present paper in the 12th	
	Kar	Ireland	2015	International Conference on Applied	
				Computing, Maynooth University,	
				Ireland	
2.	Mr. Suman Deb	Maynooth,	Oct 24-26,	, To attend conference CELDA-2015::	
		Ireland	2015	12th International Conference on	
				Cognition and Exploratory Learning	
				in Digital Age 2015	

9.5 Design and Development Activities

The Department added new feathers in its cap during this session. Inauguration of the new CSE building, Departmental Labs, developing Apps and eye-catching projects are worth mentioning in this segment. Below are the important Design and Development Activities in CSE during 2015-2016 session:

- 1. Inauguration of Bharat Ratna Dr. A.P.J. Abdul Kalam Block, NIT Agartala, Department of CSE by Shri Tathagata Roy, Hon'ble Governor of Tripura in presence of Prof Khaleda Ekram, Vice-Chancellor, BUET, Bangladesh; Padma Shri D.B. Pathak, Chairman, BOG, NIT Agartala and Professor Gopal Mugeraya, Director, NIT Agartala, on August 14th, 2015.
- 2. Inauguration of Artificial Intelligence and Human Computer Interaction Laboratory, Bharat Ratna Dr. A.P.J. Abdul Kalam Block, NIT Agartala, Department of CSE by Shri Tathagata Roy, Hon'ble Governor of Tripura in presence of Prof Khaleda Ekram, Vice-Chancellor, BUET, Bangladesh; Padma Shri D.B. Pathak, Chairman, BOG, NIT Agartala and Professor Gopal Mugeraya, Director, NIT Agartala, on August 14th, 2015.
 - Lab I/C: Mr. Suman Deb.
- 3. Inauguration of C-DAC and NIT Agartala Supercomputing Centre at NIT Agartala marking the first of the iconic PARAM Supercomputing Facility to be set up in the state of Tripura in a joint collaboration between C-DAC, Ministry of Communications and IT, Govt. of India and NITA, Ministry of Human Resource Development, Govt. of India on March 09, 2016 by Shri Manik Sarkar, Hon'ble Chief Minister of Tripura. Lab I/C: Mr. Nirmalya Kar.
- 4. NIT MCA Common Entrance Test 2015-16 official website and Android Apps designed and developed by CSED NIT, Agartala.
 Web Portal & Apps Developer: Mr. Ashim Saha.
- 5. Additional Infrastructure Set for NMEICT Classes. Faculty Advisor: Mr. Suman Deb.
- 6. Audio-Visual Content Preparation and Broadcast Set Up funded by NMEICT. Faculty Advisor: Mr. Suman Deb.
- 7. Designing Agricultural Status Monitoring System on Android Platform funded by IEI Student Project.
 - Faculty Advisor: Mr. Suman Deb.
- 8. Designing Low Cost Android Home Automation System under AI and HCI Lab, CSED, NIT, Agartala.
 - Faculty Advisor & Lab I/C: Mr. Suman Deb.
- 9. Conducting Winter School for designing long range RF Control for remotely operated light vessels.
 - Faculty Advisor: Mr. Suman Deb.

9.6 Industrial Consultancy and Sponsored Research

Sponsored Research: The worth mentioning research activities under this segment are:

1.	Project Title: Capacity Building by establishment of C-DAC's High Performance
	Computing solution- Supercomputer in a Box "PARAM Shavak" at National Institute of
	Technology, Agartala for engineering study, research and skill development on parallel
	Computing.
	Co-Investigator: Mr. Nirmalya Kar.
	Total Project Outlay: 48.36 Lakhs.
2.	Project: TEQIP sponsored IEI Project.
	Faculty Advisor: Mr. Suman Deb.
	Project Grant: 20000/-
3.	National Workshop Grant.
	Faculty Coordinator: Mr. Suman Deb.
	Workshop Grant: 2 Lakhs 40 Thousand.
4.	NMEICT Grant.
	Remote Centre Coordinator: Mr. Suman Deb.
	Workshop Grant: 2 Lakhs 80 Thousand.

Research Publications:

Total No. of papers published in Refereed International Journals : 07
Total No. of papers published in National Conference : 01
Total No. of papers published in International Conference : 18

In Refereed Interational Journals:

Name of the	Title of Journals	Date of	Issue/Volume
Authors published		publication of	No/Page No.
in National		the paper	
Journals			
Sanchali Das,Nikhil	2 nd International conference on	22 nd -24 th Jan,	Vol-10, No.86,
Debbarma	Data engineering:International	2015	ISSN:0973-4562
	Journal of Applied Engineering		
	Research		
Anurag De, Ashim	Elsevier Procedia of Computer	25 Mar, 2015	Volume 45,Page-
Saha, Dr. M.C Pal	Science		282-289
Parthasarathi De,	International Journal of	August, 2015	Volume 5, Issue
Dr. Dibyendu	Innovations in Engineering and		4, ISSN: 2319 –
Ghoshal	Technology (IJIET)		1058
Parthasarathi De,	International Journal of	August, 2015	Volume 5, Issue
Dr. Dibyendu	Dibyendu Innovations in Engineering and		4, ISSN: 2319 –
Ghoshal	Technology (IJIET)		1058
Mr. Mrinal Kanti	International Journal Of	2015	Vol. 10, No. 86,
Deb Barma;Miss	Applied Engineering Research,		pp. 82-86, Issn

Piyali Kar; Mr.	2015		0973 – 4562
Sudipta Roy; Mr.			
S.K Sen			
S. Debbarma and K.	International Journal of	2015	Vol. 3, pp. 1–
P. Ghatak	Reviews in Theoretical Science		129.
S. Debbarma and K.	International Journal of Nano-	2015	Vol. 15, pp. 1–
P. Ghatak	science and Nanotechnology		30.

In Proceedings of National Conference

Name of the	Place of the	Name of the participants	Date/Duration
Conference	Conference		
IEEE DST	Aditya Institute	M. K. Debbarma, DVLN	$24^{th} - 25^{th}$,
Sponsored	of Technology	Somyalulu, Rayanoothala	November, 2015
National	and	Praneetha Sree	
Conference on	Management,		
Recent Trends in	Andra Pradesh.		
Data Mining and			
Data Warehousing			

${\it In \ Proceedings \ of \ International \ Conference:}$

Name of the	Place of the	Name of the participants	Date/Duration
Conference	Conference		
IEEE Colossal Data	Medicaps Group	Rajib Chowdhury, M. K.	18 th - 19 th
Analysis & amp;	of Institution,	Deb Barma	March, 2016
Networking (CDAN	Indore, Madhya		
2016)	Pradesh		
IEEE International	Maharashtra	M. K. Deb Barma	22 th -24 th
Conference on Internet	Institute of		January, 2016
of Things and	Technology, Pune,		
Applications (IOTA	India		
2016			
Proceedings of 2nd	Rathinam	Priyadarshini Lamabam	17 th -18 th March,
IEEE International	Technical	and Kunal Chakma	2016
Conference on	Campus,		
Engineering and	Coimbatore, India		
Technology			
(ICETECH)			
2nd IEEE International	Rathinam	Bidipto Chakraborty ,	17 th -18 th
Conference on	Technical	Kunal Chakma and Anjan	March,2016
Engineering and	Campus,	Mukherjee	
Technology	Coimbatore, India		
(ICETECH)			

12th International Conference on Natural Language Processing (ICON-2015)	IIITM-Kerala, Trivandrum	Dwijen Rudrapal, Anupam Jamatia, Kunal Chakma, Amitava Das, Björn Gambäck	11 th – 14 th December, 2015
Proceedings of 10th Recent Advances in Natural Language Processing (RANLP- 15)	Hissar, Bulgaria	Dwijen Rudrapal, Amitava Das, Baby Bhattacharya	5 th -6 th September, 2015
Information Systems Design and Intelligent Applications,(INDIA 2016), Springer India	Visakhapatnam,	Mitali Sinha, Suman Deb	8 th -9 th January,
	India	and Sonia Nandi	2016
Information Systems Design and Intelligent Applications,(INDIA 2016), Springer India	Visakhapatnam,	Mitali Sinha, Suman Deb	8 th -9 th January,
	India	and Sonia Nandi	2016
Information Systems Design and Intelligent Applications,(INDIA 2016), Springer India	Visakhapatnam,	Sonia Nandi, Suman	8 th -9 th January,
	India	Deb, Mitali Sinha	2016
Information Systems Design and Intelligent Applications,(INDIA 2016), Springer India	Visakhapatnam,	Sonia Nandi, Suman	8 th -9 th January,
	India	Deb,Mitali Sinha	2016
12th International Conference on Cognition and Exploratory Learning in Digital Age (CELDA 2015),	Maynooth, Greater	Suman Deb, Subir Saha,	24 th – 26 th
	Dublin, Ireland	Paritosh Bhattacharya	October,2015
12th International Conference on Applied Computing(AC 2016)	Maynooth, Greater Dublin, Ireland	Nirmalya Kar, Bhaskar Biswas, Subhrajyoti Deb, Baby Bhattacharya	24 th – 26 th October, 2015
IEEE International Conference on Advances in Computer Engineering and Applications (ICACEA- 2015)	Ghaziabad, UP,	Anurag De and Ashim	19 th - 20 th
	India	Saha	March, 2015
IEEE International Conference on Green Computing and Internet of Things (ICGCIoT- 2015),	Galgotias College of Engineering & Technology (GCET), Greater Noida	Mameeta Pukhrambam,Arundhati Das, Ashim Saha	8 th -10 th October, 2015

IEEE International	Galgotias College	Arundhati Das, Mameeta	8 th -10 th October,
Conference on Green	of Engineering &	Pukhrambam, Ashim Saha	2015.
Computing and Internet	Technology		
of Things (ICGCIoT-	(GCET), Greater		
2015),	Noida		
3rd International	Coimbatore	Lalita kumari, Mr.J L	
Conference on		Raheja	25 th -26 th
Electronics and			February, 2016.
Communication			
Systems (ICECS), 2016			
International	Assam University	Sanjib Debnath,	14 th -15 th
Symposium on	-	Abhishek Majumder,	September, 2015
Advanced Computing			
and Communication			
(ISACC)			

Distinguished Visitors to the Departments:

SL	RESOURCE PERSON	PURPOSE OF VISIT	DATE
NO.			
	Shri Tathagata Roy, Hon'ble Governor,	Inauguration of New	14 th October,
1	Tripura	Department of Computer	2015
1	Prof. Khaleda Ekram, VC, BUET,	Science and Engineering	
	Bangladesh	Building	
2	Prof. A.D. Sahasrabudhe, Chairman,	Inauguration of innovation	14 th
	AICTE	& research centre	November,
	Padma Shri D.B. Phatak, Chairman,		2015
	BOG, NITAgartala		
3	Members Of North East Council	Developmental interaction	February,
		with faculty members of	2016
		CSE Department	
4	Prof. Anupam Basu, Dept Chairman &	Two days national	February,
	Head, Cet	workshop on 'Human	2016
	Prof – In – Charge, Media Lab Asia – IIT	Computer Interaction"	
	Kharagpur Lab		
	Dr. Sameer S Sahasrabudhe – Research		
	Scientist, Dept. Of CSE, IIT Bombay		
	Dr. Samit Bhattacharya – Asst. Prof,		
	Dept. Of Cse, IITGuwahati		
	Dr. Subhasis Bhaumik, Professor & Head		
	 Aerospace Dept. & Coordinator – 		
	School Of Mechatronics & Robotics,		

	IIEST Shibpur		
	Aditya Marathe – Industry Product		
	Demonstration		
5	Himanshu Das, NIEPMD Director	National level Conference	February,
		on "Assistive	2016
		Technology"	
6	Shri Manik Sarkar, Hon'ble Chief	Inauguration of C-DAC	9 th March,
	Minister, Tripura	Param Super Computing	2016
	Dr. Hemant Darbari, Executive Director,	Centre	
	C –DAC Pune		
7	Prof(Dr) Ram Shankar Katheria, Minister	Contribution of CSE	March, 2016
	Of State For Human Resource	department in the growth	
	Development	of North East India	
8	Md. Faiz Arif Khan, Rcpl (Hp Education	Two days national	March,
	Partner)	workshop on "Android	2016
		APP. Development"	
9	Prof. Swapan Bhattacharya, Jadavpur	For revising & updating	14 th March,
	University	the syllabus of UG and	2016
	Prof. Chandan Majumder, Jadavpur	PG of CSE department	
	University		

9.7 Institute – Industry Collaboration:

The worth mentioning activities during 2015-16 are:

	8
1.	One day Workshop on "INTEL HPC Code Modernization (Parallelization)" organized in
	collaboration with INTEL, HP, CSED NIT Agartala on 6 th August, 2015.
	Workshop Coordinator: Mr. Ashim Saha.
2.	2 Days National Workshop on "Android Apps Development" organized in collaboration
	with HP, CSED NIT Agartala on $10^{th} - 11^{th}$ March, 2016.
	Workshop Coordinator: Mr. Ashim Saha.
3.	NIT agartala has signed an MoU with Centre for Development of Advance Computing (C-
	DAC), a scientific society under the Ministry of Communications and IT, Government of
	India on 29 th October, 2009 at Agartala for encouraging industry-academia partnership for
	research and development as well as facilitating high end training programmes in
	Information and Communication Technologies . As a result the CSED earned this season,
	two Supercomputers.
	Coordinator: C-DAC Centre of Excellence, NIT Agartala.

4. Consultancy Project endorsed by Department of Agriculture, State Agriculture Research Station, Govt. of Tripura.

Project Coordinator: Mr. Suman Deb.

5. NUGENIX sponsored Human Machine Interaction Workshop during 15-16th Feb, 2016.

Workshop Coordinator: Mr. Suman Deb.

9.8 Other Activities:

C-DAC Satellite Centre, NIT Agartala:

Towards boosting industry-academia partnership for research and development as well as facilitating high end training programmes in Information and Communication Technologies, the National Institute of Technology, Agartala has signed an MoU with Centre for Development of Advanced Computing (C-DAC), a scientific society under the Ministry of Communications and IT, Government of India on October 29, 2009 at Agartala. About C-DAC Satellite Centre, NIT Agartala the MoU envisages strategic collaboration between the two organizations for research and development in areas such as e-Learning, semantic web etc., and high-end non-formal training programmes in Information and Communication Technologies. The various programmes which will be conducted include Diploma in Advanced Computing (DAC), Diploma in Wireless & Mobile Computing (WiMC), Diploma in VLSI Design (DVLSI), and Diploma in Advanced Computer Arts (DACA). The certificate diploma programmes will also be conducted for the students. These programmes include the Advanced Diploma in Information Technology (ADIT), Diploma in Information Technology (DIT). These high-end career oriented IT training programmes designed and developed by the Advanced Computing School of C-DAC will assist the students in moulding their skills based on the requirements of the IT industry thereby providing an advantage in placements and in their career path. The syllabi of the programmes are designed based on industry inputs and the IT training programmes have been developed taking the latest technologies in consideration.

On 09th March, 2016 CDAC has launched CDAC-NITA PARAM Supercomputing Facility at CSE Department of NIT Agartala. This is the 1st iconic PARAM Supercomputing Facility which has been set up in the state of Tripura in joint collaboration between the Centre of Development of Advanced Computing (C-DAC), Ministry of Communications and IT, Government of India and NIT Agartala, Ministry of Human Resource Development, Government of India.

The creation of PARAM Supercomputing infrastructure at NIT Agartala will enable the institute to begin and pursue interdisciplinary research in various engineering domains by modern computational research methodologies where the focus will be on accuracy with the clear purpose of decision making. This Supercomputer will be used as a tool for carrying out modelling, simulation and data analysis (modern R&D methodologies) in multiple science and engineering domains. Research Scholars can obtain fast modelling and Simulations results of very real life complex problem statements of their research in diverse field of applications. By educating and training the students (both undergraduate and graduate) in this area, the institute will serve the purpose of capability building thus catering to the growing need for simulation and

data driven decision making in problems of national and state importance. This new PARAM Supercomputing Facility at NIT Agartala is equipped with the latest processing and accelerator technology from the world leaing organizations Intel and NVIDIA and can be easily referred to as the world's most compact and energy efficient supercomputing solution. Supercomputers are key to new reforms in all social sectors of the economy from manufacturing, defense, power, agriculture, communications, engineering sciences, banking, seismic data sciences, weather and climate prediction, Biotechnology, Drug Discovery, Early warning for natural calamities, Big Data analysis, life sciences, data mining, and so on.

10.0 ELECTRICAL ENGINEERING DEPARTMENT

10.1 Introduction:

Department of Electrical Engineering is one of the enriched and primogenital branches of engineering of the National Institute of Technology (NIT), Agartala (formerly Tripura Engineering College, Govt. of Tripura). This Department has been fulfilling the need of the state Tripura as well as the nation by developing technical manpower in Electrical Engineering field since its inception in 1965. In this long 50 years of its journey, being a pivotal branch of the then Tripura Engineering College, this department has witnessed many ups and downs. Still, it has produced a great number of capable electrical engineers who in turn spread their talent around various parts of the globe thereby enhancing the image of the institute in general and branch in particular.

The Electrical Engineering Department started with an annual intake of 20 seats in 1965 and consecutively increased to 40 in 1981. After conversion of the Tripura Engineering College into National Institute of Technology (NIT) in 2006, not only the intake has been increased to 90 but also this conversion has given a golden opportunity to the department to be flourished in all the probable ways in order to boost up the teaching learning process.







10.2 Academic Programme:

Electrical Engineering Department has progressed noticeably with annual intake of 90 for 4 years (8 semesters) B.Tech program and annual intake of 54 for 2 years (4 semesters) M. Tech. programme. Apart from B.Tech. and M. Tech. Electrical Engineering department started Ph.D programme from 2008 academic session. The first batch of M.Tech in Electrical Engineering has been started in 2008 with specialization in Power Electronics & Drives. Considering the aspiration of the students and keeping in view the present trend of employment opportunity in Power & Industrial sector and also faculty necessity in academic field, two more specializations, namely (a) Power System and (b) Instrumentation have also been introduced in M.Tech curriculum of Electrical Engineering from the academic session 2010-2011. The first batch of students of both the specializations has successfully completed their course. Therefore presently the department is offering M.Tech in the following specializations viz. (a) Power System, (b) Instrumentation and (c) Power Electronics & Drives. Similarly, an excellent response has been obtained for Ph.D programme. Several candidates from academic arena and industry have shown their interests for pursuing their Ph.D work in the Department of Electrical Engineering and enrolled their names in the programme. At present 30 nos. of candidates are carrying out their Ph. D work in the department. It is worth to be mentioned here that the opportunity of this higher learning has opened up an avenue for the in-house faculties and staff to obtain higher degrees for their professional development without any need to go outside the state. Some seats are reserved for institutional candidates in this regard.

The number of students in Electrical engineering semester wise for the year 2015-16 are as follows:

Students on Roll:

Progra mme	1 st semest er	2 nd semest er	3 rd semest er	4 th semest er	5 th semest er	6 th semest er	7 th semest er	Total
B.Tech	96	96	89	89	68	68	79	585
M.Tech	30	30	47	47				154

Academic Programme Goals:

The Electrical Engineering Department has goals for undergraduate, graduate as well as Ph.D programme. In the 2015-16 session 4 students got enrolled in PhD Programme.

The Undergraduate Programme *goal* is to develop specialized proficiencies in the concepts, methods, and tools required for entry level positions in Electrical Engineering (EE) and for graduate and professional studies.

The Master's Programme goal is to develop specialized proficiencies in the concepts, methods, and tools required for intermediate level positions in Electrical Engineering and other professions and for PhD studies. Students may carry out their thesis work, under the guidance of renowned and experienced faculty members from other reputed technical institutes.

The Doctoral Programme *goal* is to develop specialized proficiencies in the concepts, methods, and tools required for high level positions and leadership in Electrical Engineering and other professions. Coursework and teaching experience are considered to be a significant part of graduate education.

10.3 Faculty and their activities:

Short-Term Courses/ Workshops/ Seminar/ Symposia/ Conferences organized by the faculty members:

тети	members:				
Sl.	Co-ordinators	Title	Period		
No.					
Short	Term Courses				
1.	Dr. Aniruddha Bhattacharya	"Stability modeling and analysis of power system including large renewable energy sources Overview" under GIAN	30 th December, 2015-08 th January, 2016		
2.	Dr. Subhadeep Bhattacharjee	"Distributed Energy Resources for Power Generation"	5 th – 7 th April, 2016		
3.	Dr. Ajoy Kumar Chakroborty	Workshop on "Power System Beyond 2020", NIT- Agartala"	17 th -18 th August, 2015		
4.	Dr .Ardhendu Saha	Workshop on "Optics and Photonics", NIT-Agartala"	8 th -9 th October, 2015		

Short-Term Courses/ Workshops/ Seminars/ Symposia/ Conferences/ Training attended by the Faculty in Academic Institutions and Public Sector Undertakings:

Sl.	Name of Faculty	Title	Period					
No.								
Work	Workshop:							
1.	Dr. Subhadeep Bhattacharjee	'Power System Beyond 2020'	17 th -18 th August, 2015					
	Difattacharjee	'Optics and Photonics'	8 th -9 th October, 2015					
2.	Mr. Diptanu Das	'Power System Beyond 2020'	17 th -18 th August, 2015					
۷.	Mir. Diptanu Das	'Optics & Photonics'	8 th -9 th October, 2015					
3.	Mrs.Nivedita	'Power System Beyond 2020'	17 th -18 th August, 2015					
٥.	Laskar	'Optics & Photonics'	8 th -9 th October, 2015					
1	Ms.Sharmistha	'Power System Beyond 2020'	17 th -18 th August, 2015					
4.	Sharma	'Optics & Photonics'	8 th -9 th October, 2015					
5	Mrs. Minakshi Deb	'Power System Beyond 2020'	17 th – 18 th August, 2015					
5.	Barma	'Optics & Photonics'	8 th – 9 th October, 2015					

		'Recent trends on power electronics	21 st – 22 nd November,			
		& drives'	2015			
		'Power System Beyond 2020'	17 th – 18 th August, 2015			
6	Da Camita Dah	'Optics & Photonics'	8 th – 9 th October, 2015			
6.	Dr.Sumita Deb	'Recent trends on power electronics	21 st – 22 nd November,			
		& drive'	2015			
7	Mr Contodin Coho	'Power System Beyond 2020'	17 th -18 th August,2015			
7.	Mr.Saptadip Saha	'Optics & Photonics'	8 th -9 th October, 2015			
Confe	erence:					
		'Numerical Analysis of Destructive				
		Interference Effect Due to Nonlinear				
		Law of Reflection in a Wedge	Oth 11th Cantaurhau			
		Shaped Zinc Telluride Slab for Total	9 th – 11 th September,			
		Internal Reflection Quasi Phase	2015			
	Mrs. Minakshi	Matching Basesd Broadband Second				
1.	DebBarma	Harmonic Generation'				
		'Broadband Second Harmonic				
		Generation using Total Internal	oth 11th a 1			
		Reflection Quasi Phase Matching for	9 th – 11 th September,			
		ppp, pss and spp Polarization	2015			
		Configurations'				
		'Numerical Analysis of Destructive				
		Interference Effect Due to Nonlinear				
		Law of Reflection in a Wedge	oth 11th a . 1			
		Shaped Zinc Telluride Slab for Total	9 th – 11 th September,			
		Internal Reflection Quasi Phase	2015			
	D G ': D1	Matching Basesd Broadband Second				
2.	Dr. Sumita Deb	Harmonic Generation'				
		'Broadband Second Harmonic				
		Generation using Total Internal	oth 11th C . 1			
		Reflection Quasi Phase Matching for	9 th – 11 th September,			
		ppp, pss and spp Polarization	2015			
		Configurations'				
Short	Short term Course:					
	Da Calaba da a	Faculty Development Programme for				
1.	Dr. Subhadeep	'Management Capacity	7 th -12 th September, 2015			
	Bhattacharjee	Enhancement, IIM-Raipur'				
	D 0 1: D1	"Advanced Engineering				
2.	Dr. Sumita Deb	Optimization through Intelligent	$22^{\rm nd} - 26^{\rm th}$ June, 2015			
		Techniques (AEOTIT)"				
L	1		I			

8. Analysis of Power System including large renewable energy sources" "Phoenics"- 2016 "Advanced Engineering Optimization throughIntelligent Techniques (AEOTIT)" Gian course on "Stability Modelling & Analysis of Power System including large renewable energy sources" "Phoenics"- 2016 A. Dr. Biman Kumar Saha Roy Dr. Biman Kumar Saha Roy Mr. Diptanu Das "Stability Modelling & Analysis of Power System including Large Renewable Energy Sources" - Under GIAN Mr. Diptanu Das "Stability Modelling & Analysis of Power System including Large Renewable Energy Sources" - Under GIAN "Stability Modelling & Analysis of Power System including Large Renewable Energy Sources" (Under-GAIN) Ms. Sharmistha Sharma "Stability Modelling & Analysis of Power System including Large Renewable Energy Sources" (Under-GAIN) "Stability Modelling & Analysis of Power System including Large Renewable Energy Sources" (Under-GAIN) "Stability Modelling & Analysis of Power System including Large Renewable Energy Sources" (Under-GAIN) "Stability Modelling & Analysis of Power System including Large Renewable Energy Sources" (Under-GAIN) "Stability Modelling & Analysis of Power System including Large Renewable Energy Sources" (Under-GAIN) "Stability Modelling & Analysis of Power System including Large Renewable Energy Sources" (Under-GAIN) "Stability Modelling & Analysis of Power System including Large Renewable Energy Sources" (Under-GAIN) "Stability Modelling & Analysis of Power System including Large Renewable Energy Sources" (Under-GAIN) "Stability Modelling & Analysis of Power System including Large Renewable Energy" Sources (Under-GAIN)			Gian course on "Stability Modelling	
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Renewable Energy Sources"(Under-GAIN) "Stability Modelling & Analysis of Power System including Large Renewable Energy" Sources(Under-January, 2016 Renewable Energy Sources(Under-January, 2016 Renewable Energy Sources(Under-January, 2016	5	Mr. Dintony Dog	Power System including Large	30 th December, 2015- 8 th
6. Ms. Sharmistha Sharma "Stability Modelling & Analysis of Power System including Large Renewable Energy" Sources(Under-January, 2016	<i>J</i> .	Mir. Diptanu Das	Renewable Energy Sources"(Under-	January, 2016
6. Ms. Sharmistha Sharma Power System including Large Renewable Energy" Sources(Under-January, 2016			GAIN)	
6. Sharma Renewable Energy" Sources(Under- January, 2016			"Stability Modelling & Analysis of	
Sharma Renewable Energy" Sources(Under- January, 2016	6	Ms. Sharmistha	Power System including Large	30 th December, 2015-8 th
	0.	Sharma	Renewable Energy" Sources(Under-	January, 2016
GAIN)			GAIN)	

Visits Abroad by Faculty:

Sl. No.	Name of Faculty	Country Visited	Date	Purpose of Visit
1.	Dr . Ardhendu Saha	Canada	9 th -11 th June, 2015	For attending Conference

Fellowships of Academics and Professional Societies:

Sl.	Name of Faculty	Level	Year
No.			
ISTE/	CSI and others		
1.		IE(I)-Member,	1998
	Dr. Rup Narayan Ray	ISTE – LM and INDIAN SCIENCE	1992
		CONGRESS ASSOCIATION Member	1993
2.	Dr.Priyanath Das. ISTE Member, IE(I)		2009
3.	D A 11 1 C 1	ISTE Member	2009
	Dr . Ardhendu Saha	IACS (Life Member),	1999
4.	Dr. Ajoy Chakroborty	MIET(UK),MISTE, FIE(1)	
5.	Mrs. Anindita Jamatia.	ISTE Member	2009
6.	Mr Abanishwar Chakraborty	ISTE Member	2009
7.	Dr. Sumita Deb.	ISTE, Life Member Institute of Engineers (India), Graduate G-547504-0	2009 2008.
8.	Mrs. Minakshi Deb Barma.	ISTE Life Member Institute of Engineers (India)	2009
9.	Mr Prabir Ranjan Kasari	ISTE, LM 62058,IEEE	2009
10.	Mr Bikram Das.	ISTE(LM/ 62063), IEEE(India) associate member(AM099384-3), Solar Energy Society of India (LM/1459/2010)	2010
11.	Dr. Subhadeep Bhattcharjee	MISTE, MIETE(I)	
12.	Dr. Bidyut K Bhattacharyya	IEEE Member and Fellow	1988
13.	Dr. Aniruddha Bhattacharya	Member of IEEE	2015
14.	Mr. Diptanu Das	Associate Member Institute of Engineers(India)	2009
15.	Mr. Saptadip Saha	Associate Member (AMIE) Institute of Engineers (India)	2015

10.4 Research and Consultancy:

Sl. No.	Name of the Faculty	Subject of Consultancy
1.	Dr. Subhadeep	Resource person of State Technical Support Agency
	Bhattcharjee	(STSA) for preparing Integrated Cluster Action Plan
		(ICAP) for RD Department under National Rurban
		Mission (NRuM).

Sponsored Research Projects:

Sl.	Title	Period	Funding	Amount	Co-ordinators
No.			Agency	(in lakhs)	
1.	"Fabrication of nanostructure based solar cell/ photodetector with organic/inorganic materials"	2015-17	IEI	0.85	Mr.Saptadip Saha Dr. Priyanath Das
2.	"Multilevel inverter based single stage grid connected solar photovoltaic system"	2015-16	CDA- C(T)	19.14	Mr Abanishwar Chakraborty
3.	"Non contact Multi- directional vibration sensor using 2D position sensitive detector "	2016-18	ISRO	33.89	Dr .Ardhendu Saha

Research Publications:

Total No. of papers published in Refereed International Journals : 25
Total No. of papers presented in National Conference : 05
Total No. of papers presented in International Conferences : 13

In Refereed International Journals:

- (1) A.R.Bhowmik, A.K.Chakraborty, 'Solution of optimal power flow using non dominated sorting oppositional based gravitational search algorithm', Journal, 64, 1237–1250, ISSN: 0142-0615, (2015).
- (2) A.R.Bhowmik, A.K.Chakraborty, 'NSMOOGSA for solving optimal reactive power dispatch problem', Journal, ISSN: 0142-0615, 2015.
- (3) B. Bhattacharya, A.K. Chakraborty, 'A Three Phase Four Leg Inverter with a Single Vector Quantity as Control Signal', Journal, 10, 17, 37679-37684, ISSN 0973-9769,(2015).
- (4) B. Bhattacharya, A.K. Chakraborty, 'Three Dimensional Space Vector Modulation Theory: Practices without Proofs', Journal, 6, 1, ISSN: 2088-8708, (2016).
- (5) T. Bhattacharya, A.K. Chakraborty, Kaushik Pal, 'Influence of Environmental Dust on the Operating characteristics of the Solar PV Module in Tripura', India, Journal, Vol. 4 (3), 141-144, ISSN (Online): 2319-6890, (2015).
- (6) T. Bhattacharya, A.K. Chakraborty, Kaushik Pal, 'Statistical Analysis of the Performance of Solar photovoltaic Module with the Influence of Different Meteorological parameters in Tripura', India, Journal, 4 (3), 137-140, ISSN (Online): 2319-6890, (2015).
- (7) Minakshi Deb Barma, Sumita Deb, Ardhendu Saha 'Broadband fractional total internal reflection quasi phase matching based second harmonic generation in reverse tapered isotropic semiconductor considering the effect of nonlinear reflection', SCIE (Journal of Nonlinear Optical Physics & Materials), 24, 155041-12155041-16,ISSN: 0218-8635, Online ISSN: 1793-6624,(2015).

- (8) Chittaranjan Nayak, Ardhendu Saha, 'Early detection of acute dehydration using one dimensional photonic device', Optik-International Journal for Light and Electron Optics 2016,127, 5462–5465, ISSN 0030-4026, (2016).
- (9) Rishu Raj, Nikhil Kumar, Sachin Kumar, Sumita Deb, Ardhendu Saha, 'Quasi-phase matched broadband difference frequency generation in the mid-infrared region using total internal reflection in a tapered gallium arsenide (GaAs) slab', Optik-International Journal for Light and Electron Optics, Elsevier, 126, 2917-2924,ISSN: 0030-4026, (2015).
- (10) Sumita Deb, Ardhendu Saha 'Fractional quasi phase matched broadband second harmonic generation in a tapered zinc telluride slab using total internal reflection considering the effect of nonlinear law of reflection'. Optik-International Journal for Light and Electron Optics, Elsevier, 126, 3371-3375, ISSN: 0030-4026, (2015).
- (11) S. Bhattacharjee, S.Acharya, 'Performative analysis of an eccentric solar—wind combined system for steady power yield', Energy Conversion and Management (Elsevier) (Journal), 108 (2016), 219-232, ISSN: 0196-8904, (2016).
- (12) S. Bhattacharjee, S.Acharya, 'PV-wind hybrid power option for a low wind topography', Energy Conversion and Management (Elsevier) (Journal), 89 (2015), 942-954, ISSN: 0196-8904, (2015).
- (13) Sharmistha Sharma, Subhadeep Bhattacharjee ,Aniruddha Bhattacharya, 'Grey Wolf Optimization for Optimal Sizing of Battery Energy Storage Device to Minimize Operation Cost of Micro-Grid', SCI expanded journal IET Generation, Transmission & Distribution, 10, 625 637, ISSN No.1751-8695, (2016).
- (14) K. Bhattacharjee, A. Bhattacharya, S. Halder nee Dey, 'Backtracking Search Optimization Based Economic Environmental Power Dispatch Problems', Journal, 73, 830-842, ISSN: 0142-0615, (2015).
- (15) Sharmistha Sharma, Subhadeep Bhattacharjee ,Aniruddha Bhattacharya, 'Quasi-Oppositional Swine Influenza Model Based Optimization with Quarantine for Optimal Allocation of DG in Radial Distribution Network', International Journal of Electrical Power and Energy Systems, Elsevier, 74, 348–373,ISSN No. 0142-0615,(2015).
- (16) Saheli Ray, Aniruddha Bhattacharya, Subhadeep Bhattacharjee, 'Differential Search Algorithm for Reliability Enhancement of Radial Distribution System', Journal: Electric Power Components and systems (Taylor & Francis), 44, 29-42, 1532-5008 print / 1532-5016 online, (2016).
- (17) S. Ray, A. Bhattacharya, S. Bhattacharjee, 'Optimal allocation of distributed generation and remote control switches for reliability enhancement of a radial distribution system using oppositional differential search algorithm', The Journal of Engineering (IET), doi: 10.1049/joe.2015.0097, 1-15, ISSN 2051-3305, (2016).
- (18) S. Sharma, S. Bhattacharjee ,A. Bhattacharya, 'Operation cost minimization of a Micro-Grid using Quasi-Oppositional Swine Influenza Model Based Optimization with Quarantine', Ain Shams Engineering Journal (Elsevier), doi:10.1016/j.asej.2015.09.007, ISSN: 2090-4479 ,(2016).
- (19) S. Ray, A. Bhattacharya, S. Bhattacharjee, 'Optimal Placement of Switches in a Radial Distribution Network for Reliability Improvement', International Journal of Electrical Power and Energy Systems (Elsevier), 76(2016), 53-68, ISSN: 0142-0615, (2016).
- (20) Saheli Ray, Aniruddha Bhattacharya, Subhadeep BHattacharjee, 'Optimal allocation of distributed generation and remote control switches for reliability enhancement of a radial distribution system using oppositional differential search algorithm', Journal: The Journal

- of Engineering (IET), 1-15, ISSN:2051-3305 (online), (2015), 5th November, 2015 (online).
- (21) S. Ray, A. Bhattacharya, S. Bhattacharjee, 'Differential search algorithm for reliability enhancement of radial distribution system', Electric Power Components and Systems (Taylor & Francis), 44(1), 29-42, ISSN:1532-5008 (Print), 1532-5016 (Online), (2016).
- (22) Saheli Ray, Aniruddha Bhattacharya, Subhadeep BHattacharjee, 'Optimal Placement of Switches in a Radial Distribution Network for Reliability Improvement', Journal: International Journal of Electric Power and Energy Systems (Elsevier), 74, 53-68, ISSN: 0142-0615,(2015).
- (23) Sharmistha Sharma, Subhadeep Bhattacharjee ,Aniruddha Bhattacharya, 'Solution of Multi-Objective Optimal DG Placement Problem using Swine Influenza Model Based Optimization (SIMBO)', AMSE JOURNALS –2015-Series: Advances C, 70, 46-70, (2015).
- (24) Debasree Saha, Asim Datta, Biman Kumar Saha Roy, Priyanath Das, 'A comparative study on the computation of directional overcurrent relay coordination in power systems using PSO and TLBO based optimization', Journal (Engineering Computations), Vol-33, pp.603 621 SCI 0264-4401,(2015).
- (25) Siddhartha Sankar Deb, Diptanu Das, Prasenjit Debnath, 'PSIM based design of an inbuilt solar powered mobile phone battery charging system', International Journal of Electronics Circuits And Systems, 4, 18-24, 2277-5870, (2015).

In Proceedings of National Conference:

- (1) Abanishwar Chakraborti, 'An improvised sensor design for Automatic solar tracking system' national conference on Engineering Problems and Application of Mathematics, NIT Agartala, 2016.
- (2) Arnab Sarkar, J. Satheesh Reddy, Abanishwar Chakraborti,' Comparison of Sine PWM and Space vector PWM for Grid Connected Single Stage Solar System using 3 Level Inverter', NIT Agartala,2016.
- (3) Sayantan Bhattacharya, Amal C Sunny, Abanishwar Chakraborty, 'Efficiency Augmentation of a BLDC Motor During Braking', NIT Agartala, 2016.
- (4) Manish Choudhury, Prabir Ranjan Kasari, Bikram Das, Abanishwar Chakrabarti, 'Controller Design of Grid-Connected Multilevel Inverter', NIT Agartala, 2016.
- (5) Rupak Datta, Rajeeb Dey, Abanishwar Chakraborti & Baby Bhattacharya, 'Delay Dependent Stability Condition for Continuous Time Linear System with an interval Timevarying Delay via Wirtinger based Integral Inequality', NIT Agartala, 2016.

In Proceedings of International Conference:

- (1) Kaushik Ranjan Das, Diptanu Das, Joyashree Das, 'Optimal tuning of PID controller using GWO algorithm for speed control in DC motor', International Conference on Soft Computing Techniques and Implementations (ICSCTI), Manavrachana International University, Faridabad, , 108-112, 978-14673-6790-5, 8-10 Oct. 2015.
- (2) B. Bhattacharya, A. K. Chakraborty, 'Mathematical Vector Quantity Modulated Three Phase Four Leg Inverter, Proceeding', Visakhapattanam 2. 38, 383-393, 8-9th January, 2016.

- (3) B. Bhattacharya, A.K. Chakraborty, 'Determination of α, β & γ-Components of a Switching State without Clarke Transformation', Kolkata, Proceeding, 28-30th January, 2016.
- (4) Prasad Kumar Swain , Nabamita Goswami, Ardhendu Saha, 'Enhanced lateral shifts with Gaussian beam and Laguerre-Gaussian beam in presence of surface plasmon resonance', International Conference on Microwave Optical and Communication Engineering, IIT Bhuvaneshwar,18-20th December 2015.
- (5) Naiwrita Dey, M Suresh, Sampa Das and Ardhendu Saha, 'Implementation of SPI interface on FPGA Using LabVIEW to Communicate with MEMS sensors', 6th IEEE International Conference on Communication Systems and Network Technologies (CSNT-2016), Chandigarh, 10 th January, 2016.
- (6) Kishor Das, Nabamita Goswami, Ardhendu Saha, 'Surface Plasmon Resonance Enhanced Temperature Effect on Goos-Hanchen Shift and Imbert-Federov Shift with Silver Nano Layer in SiO₂ Prism', 4th International Conference on Frontiers in Nanoscience and Technology (COCHIN NANO 2016)", University of science and technology, cochin, 20-23rd February 2016.
- (7) Sumita Deb, Minakshi Deb Barma, 'Numerical Analysis of Destructive Interference Effect Due to Nonlinear Law of Reflection in a Wedge Shaped Zinc Telluride Slab for Total Internal Reflection Quasi Phase Matching Basesd Broad band Second Harmonic Generation', Conference (2015 Twelfth International Conference on Wireless and Optical Communications Networks (WOCN)), Bangalore, 978-1-4673-9276-1, September 2015.
- (8) D. Adhya, S. Bhattacharjee, S. Acharya, 'Back surface cooling of photovoltaic panel an experimental investigation', Proc. 6th IEEE International Conference on Power Systems, 2016 (ICPS 2016), Delhi, 4-6th March 2016.
- (9) S. Acharya, S. Bhattacharjee, D. Adhya, 'Solar thermal-wind-spring storage hybridized system for steady power yield', Proc. 6th IEEE International Conference on Power Systems, 2016 (ICPS 2016), Delhi, 4-6 March, 2016.
- (10) Bishwajit Dey, Sharmistha Sharma, 'Energy Management of Microgrids with Renewables using soft computing techniques', 12th IEEE India International Conference, INDICON 2015, on Electronics, Energy, Environment, Communication, Computer, Control, (E3- C3), Jamia Millia Islamia, New Delhi, 1-6, 978-1-4673-7398-2, 17-20th Dec. 2015.
- (11) Soumesh Chatterjee ,Biman Kr, Saha Roy, 'An analytic method for allocation of Distributed Generation in radial distribution system', Proceeding, (12th IEEE India International conference INDICON), Delhi, 1-5, 978-1-4673-7398-2, December 2015.
- (12) Debasree Saha, Asim Datta, Biman Kumar Saha Roy, Priyanath Das, 'Optimal Coordination of DOCR in interconnected Power Systems', Proceeding (2nd International Conference on Control, Instrumentation, Energy and Communication 2016), Kolkata, 978-1-5090-0035-7, January 2016.
- (13) A. Sarkar, S. Reddy, B. Das, P. R. Kasari, A. Saha, A. Chakrabarti, 'Multilevel inverter based single stage grid connected solar PV', Green Computing and Internet of Things (ICGCIoT), Galagotia college of Engineering and technology, Greater Noida,1217-1222,10.1109/ICGCIoT.2015.7380649, October 2015.

Book Published:

Name of the Authors published	Title of the Books	Date of publication	Issue/ Volume No./ Page No
Dr. Subhadeep Bhattacharjee	'Solar Electricity Generation', (ISBN 978-81-8487-404-4), Narosa Publishing House, New Delhi	2015	-

Patent Published:

Inventor Name	Year	Title	Published Source	Patent version No	Patent Application no.
S. Bhattacharjee, S. Acharya, and A. Das	2015	A heat-free composite daylight ingesting system	Controller General of Patents, Designs & Trademarks, Department of Industrial Policy & Promotion, Ministry of Commerce and Industry	-	652/KOL/2015
Saptadip Saha Dr. Priyanath Das	2016	A multiple power source based electrical drive	Intellectual Property India, Govt. of India patent office.	CBR No. 2167	201631005530 (under review)

Distinguished Visitors to the Departments:

Sl	Name of the Visitors & Designation	Date of visit	Purpose of visit
No.			
1.	Dr. Swapan Kumar Goswami, Professor, Department of Electrical Engineering, Jadavpur University, Kolkata	15 th May, 2015	For M.Tech Thesis evaluation
2.	Dr. Shymal Kumar Bhadra, Scientist G [Gr. IV(6)], Fibre Optics and Photonic Laboratory, Central Glass & Ceramic Research Institute, Kolkata	15 th May, 2015	For M.Tech Thesis evaluation
3.	Prof. D.Kastha, Professor, Dept. Of Electrical Engineering, IIT-Kharagpur	15 th May, 2015	For M.Tech Thesis evaluation
4.	Tapas Roy, Manager CESE Ltd.	2015	Viva Voce, B.Tech

10.5 Institute – Industry Collaboration:

Dr. Subhadeep Bhattacharjee is the key initiator as well as Officer in-charge of the Solar Radiation Resource Assessment (SRRA) Station at NIT-Agartala, set up in accordance with the

MoU between C-WET (presently National Institute of Wind Energy) and NIT-Agartala as a part of National Project on Solar Radiation Resource Assessment.

10.6 Other Activities:

- Dr. S. Bhattacharjee: Associate Dean (P&D), NIT-Agartala
- Outstanding and Recognized Reviewer of many venerated journals such as Applied Energy (Elsevier) (Impact Factor: 6.222), Energy Conversion and Management (Elsevier) (Impact Factor: 4.631), Renewable Energy (Elsevier) (Impact Factor: 4.068), International Journal of Electrical Power and Energy Systems (Elsevier) (Impact Factor: 2.718),, International Journal of Sustainable Energy (Taylor & Francis), Sustainable Energy Technologies and Assessments (Elsevier) (Impact Factor: 1.089), Journal of Renewable and Sustainable Energy (American Institute of Physics, AIP), Journal of the Institution of Engineers (India) (Series-B) (Springer), Smart Science (Taylor & Francis), etc.
- Member of the Board of Post Graduate Studies (BPGS) of NIT-Agartala/ Technical Member of Vidyalaya Management Committee of Kendriya Vidyalaya, NIT-Agartala for the session 2014-17/ Member of the Library Committee of NIT-Agartala/ Member of the Library Purchase Committee of NIT-Agartala/ Member of the Departmental Post Graduate Program Committee (DPPC) of Electrical Engineering/ Member of the DPPC of Computer Science Engineering/ Member of the Departmental Purchase Committee/ Chairman and member of a number of Doctoral Committees, NIT-Agartala and many more institutional involvements.

11.0 ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

11.1 Introduction:

The Department of Electronics & Communication Engineering (E.C.E) was established in 2007. Since its inception the Department is growing in multidimensional direction in context to UG & PG teaching aspects. The department offers a wide range of courses which address almost the entire arena covering VVLSI, Nano-electronics, Modern era of Communication, Fabrication and Characterization of Nano Scaled Devices, Image Processing, Advance Microwave Electronics, Bio-Signal Processing, Non-Linear System Science to mention a few. The department aims to create competent Electronic and Communication Engineers to serve the needs of modern advance technology and the nation as a whole. The department always updates the entire course curriculum on a regular basis after discussion with academicians from institute of national repute and technologists from various renowned organizations by which our students can compete with the best with respect to knowledge and ability in the business and face the modern challenges of today's Electronics and allied industries and institutions where change is the norm. Among all branches of Engineering Sciences, Electronics and Communication Engineering changes at extreme fast pace, so fast that which is brand new product for today becomes obsolete in the very next day with respect to science and engineering of this branch. Considering all the said aspects, the department possesses a qualified and experienced team of faculty members to carry out its legacy. The major thrust areas of the department are VLSI and Nano-Technology, Nano-Electronics, Microwave, Image Processing, Optoelectronics, Control Engineering and Communication Systems. The Department is deeply involved in multidimensional aspects of teaching and research under the able leadership of Mr. Atanu Chowdhury, the present H.O.D. The Department offers Ph.D courses in Nano-electronics, Microwave, VLSI, and Image Processing, to name a few. The students of this branch have been placed in various reputed R&D organizations and eminent companies in India and abroad.

11.2 Academic Programme:

The department of Electronics & Communication Engineering currently offers the following programmes:-

<u>Under Graduate programme</u>: B.Tech in Electronics & Communication Engineering (4 years).

Post Graduate programmes: M.Tech (2 years) in two specializations-

(i) VLSI Design

(ii) Communication Engineering.

The Department also offers Ph.D courses in Nano-electronics, Microwave, VLSI, Image Processing, Bio-Signal Processing, to name a few.

Program	1 st / 2 nd Semester	3 rd / 4 th Semester	5 th / 6 th Semester	7 th / 8 th Semester	Other Semester	Total
B.Tech	79	78	95	78	NA	330
M.Tech	12	10	NA	NA	NA	22

(VLSI Design)						
M.Tech	11	13	NA	NA	NA	24
(Communication						
Engineering)						
Ph.D	02	03	NIL	10	15	30





Communication Engineering Laboratory

VLSI Laboratory

11.3 Faculty and their Activities:

Short-Term Courses/ Workshops/ Seminar/ Symposia/ Conferences organized by the faculty members:

S1.	Co-ordinators	Title	Period
No			
Shor	rt Term Courses		
1	Mr. Mitra Barun Sarkar and	"Challenges & Opportunities of	1 day
	Dr. Sambhu Nath Pradhan	Emerging Nanotechnology for VLSI	(21 st January,
		Nano electronics"	2016)
2	Ms. Madhuparna	"2 –Day Familiarization Workshop on	2 days
	Chakraborty and Dr.	Nanofabrication Technologies"	$(15^{th} - 16^{th})$
	Sambhu Nath Pradhan		February, 2016)

Short-Term Courses/ Workshops/ Seminars/ Symposia/ Conferences/ Training attended by the Faculty in Academic Institutions and Public Sector Undertakings:

S1.	Name of Faculty	Title	Period
No.			
Wor	kshop:		
1.	Dr. Dibyendu Ghoshal	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
		Nanofabrication Technologies "	February, 2016)
2	Dr. Sambhu Nath	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
	Pradhan	Nanofabrication Technologies "	February, 2016)
3	Mr. Manik Bhowmik	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
		Nanofabrication Technologies "	February, 2016)
4	Mr. Atanu Choudhury	"2 –Day Familiarization Workshop on	2 days (15 th –16 th

		[N	T
		Nanofabrication Technologies "	February, 2016)
5	Mr. Kamalesh Debnath	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
		Nanofabrication Technologies "	February,2016)
6	Mr. Biman Debbarma	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
		Nanofabrication Technologies "	February, 2016)
7	Mr. Somnath	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
	Roychoudhury	Nanofabrication Technologies "	February, 2016)
8	Mr. Anirban	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
	Bhattyacharjee	Nanofabrication Technologies "	February, 2016)
9	Dr.Tamosi Moyra	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
		Nanofabrication Technologies "	February, 2016)
10	Mr.Mitra Barun Sarkar	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
		Nanofabrication Technologies "	February, 2016)
11	Mr.Madhuparna	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
	Chakraborty	Nanofabrication Technologies "	February, 2016)
12	Mrs.Priyanka	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
	Choudhury	Nanofabrication Technologies "	February, 2016)
13	Ms.Anandita Goswami	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
		Nanofabrication Technologies "	February, 2016)
14	Mr. Subhajit Acharjee	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
	3	Nanofabrication Technologies "	February, 2016)
15	Dr. Bishankabrata	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
	Bhowmik	Nanofabrication Technologies "	February,2016)
16	Mr. Apangshu Das	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
		Nanofabrication Technologies "	February, 2016)
17.	Mr. Abhishek Nag	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
	_	Nanofabrication Technologies "	February, 2016)
18.	Mr. Partha Kumar Deb	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
		Nanofabrication Technologies "	February, 2016)
19.	Mr. Puspendu Bikas	"2 –Day Familiarization Workshop on	2 days (15 th –16 th
	Saha	Nanofabrication Technologies "	February,2016)
20.	Mr. Manik Bhowmik	"One day National Workshop on	1day (21st January,
		challenges & opportunities of Emerging	2016)
		Nanotechnology for VLSI	
		Nanoelectronics."	
21.	Mr. Atanu Chowdhury	"One day National Workshop on	1day (21st January,
		challenges & opportunities of Emerging	2016)
		Nanotechnology for VLSI	
		nanoelectronics."	
22.	Mr.Kamalesh Debnath	"One day National Workshop on	1day (21st January,
		challenges & opportunities of Emerging	2016)
		Nanotechnology for VLSI	
L		Nanoelectronics."	
23.	Dr. Dibyendu Ghoshal	"One day National Workshop on	1day(21 st January,
		challenges & opportunities of Emerging	2016)
		Nanotechnology for VLSI	
	•		•

		Nanoelectronics."	
24.	Mr. Biman Debbarma	"One day National Workshop on challenges & opportunities of Emerging Nanotechnology for VLSI Nanoelectronics."	1day (21 st January, 2016)
25.	Mr. Anirban Bhattyacharjee	"One day National Workshop on challenges & opportunities of Emerging Nanotechnology for VLSI Nanoelectronics."	1day (21 st January, 2016)
26.	Mr. Somnath Roychoudhury	"One day National Workshop on challenges & opportunities of Emerging Nanotechnology for VLSI Nanoelectronics."	1day (21 st January, 2016)
27.	Ms.Madhuparna Chakraborty	"One day National Workshop on challenges & opportunities of Emerging Nanotechnology for VLSI Nanoelectronics."	1day(21 st January, 2016)
28.	Dr.Tamosi Moyra	"One day National Workshop on challenges & opportunities of Emerging Nanotechnology for VLSI Nanoelectronics."	1day (21 st January, 2016)
29.	Mrs. Priyanka Choudhury	"One day National Workshop on challenges & opportunities of Emerging Nanotechnology for VLSI Nanoelectronics."	1day (21 st January, 2016)
30.	Mr.Subhajit Acharjee	"One day National Workshop on challenges & opportunities of Emerging Nanotechnology for VLSI Nanoelectronics."	1day (21 st January, 2016)
31	Mr.Mitra Barun Sarkar	"Challenges & Opportunities of Emerging Nanotechnology for VLSI Nano electronics"	1day (21 st January, 2016)
32.	Ms.Madhuparna Chakraborty	BLENDED MOOC WORKSHOP ON "Signals & Systems"	6 months(July 2015- December 2015)
33.	Mr.Anirban Bhattyacharjee	BLENDED MOOC WORKSHOP ON "Signals & Systems"	6 months(July 2015- December 2015)
34.	Mr.Atanu Choudhury	"National Workshop on "Techniques in Bio-informatics"	7 th - 8 th August, 2015
35.	Dr. Sambhu Nath Pradhan	"Knowledge Dissemination Programme on Embedded System Design"	5 days (25 th – 29 th May, 2015).
36.	Mr.Biman Debbarma	"Knowledge Dissemination Programme on Embedded System Design"	5 days (25 th – 29 th May, 2015).

37.	Dr.Sambhu Nath	"IEP on System Level Design on	3 days (7 th -9 th
	Pradhan	Platform FPGAsi"	December, 2015)
38.		"Familiarization Workshop on Nanofabr	2 days (15 th -
	Mr.Mitra Barun Sarkar	ication Technologies".	16 th , February 2016)
			•
Conf	erence:		
1.	Dr.Sambhu Nath	2 nd IEEE International Conference on	3 days (09 th -11 th
	Pradhan	Recent Trends in Information Systems at	July, 2015)
		Jadavpur University	
2.	Dr.Sambhu Nath	IEEE International Conference on	3 days (23 th -25 th ,
	Pradhan	Microelectronics, Computing and	January 2016)
		Communication (MicroCom 2016) at NIT	
		Durgapur.	
3.	Mr.Mitra Barun Sarkar	4 th National Conference on Materials	3 days (19 th -20 th
		,devices and Circuits in Communication	February, 2016)
		Technology	
Train	ning:		
1.	Mr.Mitra Barun Sarkar	Management Capacity Enhancement	5 days (27 th - 31 th
		Programme (MCEP) for TEQIP	July, 2015).
		Institutions at IIM Lucknow Noida	
		Campus	
Shor	t term Course:		
1.	Mr.Mitra Barun Sarkar	"NEMS and Nanophotonics (CNNP STC-	2 days (25 th -26 th
		2015) "at IIT Madras	September, 2015)

Fellowships of Academics and Professional Societies:

Sl. No.	Name of Faculty	Level	Year			
ISTE/ CSI and others						
ISTE	Mr.Atanu Chowdhury	Life Member	2010-2011			
ISI	Mr. Atanu Chowdhury	Life Member	2010-2011			
IEI	Mr.Atanu Chowdhury	Associate Member	2009-2010			
ISTE	Mr. Manik Bhowmik	Life Member	2010-2011			
AMIE	Dr. Tamasi Moyra	Life Member	2000-2013			
GIST	Dr. Sambhu Nath Pradhan	Fellow	2012			
IAENG	Mr. Mitra Barun Sarkar	Member, IAENG	2012			

11.4 Research and Consultancy:

A good number of projects (funded by DST/AICTE/DeitY etc.) are currently running in the ECE Department.

Sponsored Research Projects:

Sl.	Tit	tle	Period	Funding	Amount	Co-ordinators
No.				Agency	(in lakhs)	
1	Microcontrolle	r Based	2015-	The Institute of	0.60	
	Instrumentation	n for studying	2016	Engineers		Mr. Atanu
	Complex	Bio-electrical		(India)		Chowdhury
	Impedance of fruits					

Research Publications:

Total No. of papers published in Refereed International Journals

Total No. of papers presented in National Conference

Total No. of papers presented in International Conferences

Total No. of Books published

Total No. of patents

: 09

: 1

: 1

: 1 (Filed)

In Refereed International Journals:

- (1) Suvojit Acharjee,Sayan Chakrabarty, Wahiba Ben Abdessalem, Karaa, Ahmad Taher Azar,Nilanjan Dey; "ECG Signal compression using Ant Weight Lifting Algorithm for Tele-monitoring"; 'Journal of Medical Imaging and Health Informatics'; 2/1/2016, 2156-7018, 244-251.
- (2) A. Das and S. N. Pradhan; "Shared Reed-Muller Decision Diagram based Thermal-Aware AND-XOR Decomposition of Logic Circuits", 'Journal of VLSI Design, Hindawi publication'; 29/3/2016, 2016, 1-14.
- (3) T. Majumder, K. Debnath, S. Dhar, J. J. L. Hmar and S. P. Mondal; "Nitrogen-Doped Graphene Quantum Dot-Decorated ZnO Nanorods for Improved Electrochemical Solar Energy Conversion"; 'Energy Technology Wiley online library'; 3/29/2016, 4, 8, 950-958.
- (4) D. Nath, P.Choudhury and S.N Pradhan; "Hybrid Approach of Within-Clock Power Gating (WCPG) and Normal Power Gating to Reduce Power"; "Journal of Circuits, Systems, and Computers (JCSC), World Scientific Publishing"; 19/1/2016, 5, 25, 1650044-1 26.
- (5) A. Nag and S. N. Pradhan; "An Autonomous Clock Gating Technique in Finite State Machines Based on Registers Partitioning"; 'Journal of Circuits, Systems, and Computers (JCSC), World Scientific Publishing'; 21/12/2015, 5, 25, 1650033-1 -21.
- (6) P.Choudhury and S.N Pradhan; "Power-Area Trade-off in Power Gated FSM Synthesis"; 'International Journal of Circuits and Architecture Design", Inderscience Publishers'; 2016, 1, 2, 13-29.
- (7) S Saha, A Mondal, B, Choudhuri, T Goswami, M B Sarkar, K Chattopadhyay; "Band Gap Tailoring of TiO2 Nanowires by Nitrogen Doping Under N2/Ar Plasma Environment"; 'Journal Of Nanoscience And Nanotechnology'; 1/5/2015,5,15, 395 1-5.
- (8) Syed Mukulika Dinara, Sanjay Kr. Jana, Saptarsi Ghosh, Partha Mukhopadhyay, Rahul Kumar, Apurba Chakraborty, Shekhar Bhattacharya and Dhrubes Biswas; "Enhancement of Two dimensional electron gas concentrations due to Si3N4 passivation on Al0.3Ga0.7N/GaN heterostructure: strain and interface capacitance analysis", "AIP Advances"; 22/04/2015, 5, 047136 1-11.

(9) S.N Pradhan, A. Chakraborty, A. Nag and D. Nath, "Layout Oriented Look up Table Based Dual Threshold Approach to Reduce Leakage"; "International Journal of Computer Aided Engineering and Technology, Inderscience Publication"; 1/5/2015, Vol.7, 456 – 480.

In Proceedings of National Conference:

- 1. Mitra Barun Sarkar, "Defect States Analyses of E-Bean Evaporated TiO2and SiOx Thin Films Structures for Application in Photo detectors" 4thNational conference on Materials, Devices and Circuits in Communication Technology (MDCCT 2016), IETE Burdwan Sub Centre (Burdwan University),(19th -20th February, 2016).
- 2. Kasturi Gogoi, Mitra Barun Sarkar, Nitesh Soni and Paritosh Bhattacharya, "A novel design of dual frequency SIW slot antenna", National Conference on Materials, Devices and Circuits in Communication Technology 2016(MDCCT 2016), IETE Burdwan Sub Centre and Department of Physics, The University of Burdwan, 52-55, (19th -20th February, 2016).

In Proceedings of International Conference:

- 1. T. Sarkar, S. Chakraborty and S. N. Pradhan, "Short Survey on Low Power Design and Scan Based VLSI Testing", IEEE ICCCA-2015, Galgotias University, Greater Noida, 82-92, 15th -16th May, 2015.
- 2. AA. Purkayastha, S. Roy Choudhury and S. N. Pradhan, "A Genetic Algorithm Approach for Hybrid ALU Design", IEEE ICCCA-2015, Galgotias University, Greater Noida, 15th 16th May, 2015.
- 3. T. Sarkar, S. Chakraborty and S. N. Pradhan, "A New Technique For Leakage Power Reduction In Testing of Digital Circuits", IEEE International Conference on Nanoelectronics, Circuits & Communication Systems NCCS-2015, Ranchi, 9th -10th May, 2015.
- 4. A. Nag and S. N. Pradhan, "An Autonomous Power and Clock Gating Technique in SRAM Based FPGA", IEEE International Conference on Nano-electronics, Circuits & Communication Systems NCCS-2015, Ranchi, 9th -10th May, 2015.
- 5. P. Choudhury, D. Nath, V. Rai and S. N. Pradhan, "Thermal Aware AND-OR-XOR Network Synthesis", VLSI Design and Test VDAT-2015, Nirma University campus, Ahmedabad, Gujarat, 1-6, 26-29th June, 2015.
- 6. A. Das and S. N. Pradhan, "Thermal aware FPRM based AND-XOR network synthesis of logic circuits", ReTIS, Jadavpur University, 497-502, 9th -11th July, 2015.
- 7. S. N. Pradhan and P. Choudhury, "Low power and high testable Finite State Machine synthesis", IEMCOM-2015, Vancouver, BC, 1-5, 15th -17th October, 2015.
- 8. S. N. Pradhan, V. Rai and A. Chakraborty, "Design of High Speed and Low Power Full Adder in SubThreshold Region", MicroCom 2016, NIT Durgapur, 22th -25th Jan, 2016.
- 9. N. Tripathi and S. N. Pradhan, "Power Efficient Design of All Digital Phase Locked Loop", WiSPNET 2016, Chennai, 23th-25th March, 2016.
- A. Chowdhury, Nizamudheen VK, T. K.Bera, D. Ghoshal & B.Chakraborty, "A study on the Impedance Variation in Banana during ripening using AD5933 based impedance spectrometer with LabVIEW", 2016 IEEE International Conference on Smart Structures and Systems ICSSS-2016, Saveetha Engineering college, Chennai, India, 85-90, 23th-24th March, 2016.

- 11. P. Das, A. Bhattacharjee, S. Pathak, "Performance Analysis of TLS-Esprit and QR 4th TLS- Esprit algorithm for Direction of Arrival Estimation", 4th International Conference on Communication and Signal Processing ICCSP-2015, Tamil Nadu, April 2015.
- 12. Sourav Roy, Puspendu Bikash Saha and Manik Bhowmik, "Rectangular Patch Antenna for Wireless LAN Frequency With Periodic DGS Structure" ICCSP 2015, Tamilnadu, 2th-4th April, 2015.
- 13. Puspendu Bikash Saha, Sourav Roy, and Manik Bhowmik, "Improvement of Parallel Coupled Bandpass Filter Using Coupled Closed Loop Square Resonator Structure", International Conference on Signal Processing and Integrated Networks, ICCSP 2015, Tamilnadu, 2th-4th April, 2015.
- 14. Sourav Roy, Puspendu Bikash Saha and Manik Bhowmik, "Compact Microstrip Parallel Coupled Bandpass Filter With A Centre Frequency of 2.4 GHz Suitable For Bluetooth And GPS Communications", ICCSP 2015, Tamilnadu, 2th-4th April, 2015.
- 15. Partha Kumar Deb, Tamasi Moyra, Priyansha Bhowmik, "Return loss and bandwidth enhancement of microstrip antenna using Defected Ground Structure (DGS)", SPIN2015, Amity University, Noida, 27th April, 2015.
- 16. Partha Kumar Deb, Tamasi Moyra, Priyansha Bhowmik, "Dual band multilayer E-shape microstrip patch antenna for C-band and X-band", SPIN2015, Amity University, Noida, 27th April, 2015.
- 17. Apurba Chakraborty, Partha Mukhopadhyay, Saptarsi Ghosh, Ankush Bag, Mihir K. Mahata, Rahul Kumar, Subhashis Das, Palash Das, Sanjay K Jana and Dhrubes Biswas, "Eradication of Trapping Effect in AlGaN/InGaN/GaNheterostructure by Fermi level Elevation", IWPSD 2015, IISC Bengaluru, 7th -9th Dec-2015.
- 18. Apurba Chakraborty, Saptarsi Ghosh, Aprtha Mukhopadhyay, Syed Mukullika Dinara, Ankush Bag, Mihir Mahata and Dhrubes Biswas, "Trapping characteristics comparison between AlGaN/InGaN/GaN and AlGaN/GaNheterostructure by conductance measurement" MRS FALL, Boston, 29th November–4th December, 2015.
- 19. Brij Bhushan Chowdhury; Ratul De; Manik Bhowmik, "A novel design for circular patch fractal antenna for multiband applications", 3rd International Conference on Signal Processing and Integrated Network, Amity University, Noida, 449 453, 11th -12th Feb. 2016.
- 20. Manik Bhowmik; Brij Bhushan Chowdhury; Ratul De, "Circular Patch antenna with modified Swastika shaped slot for multiband applications", 3rd International Conference on Signal Processing and Integrated Network, Amity University, Noida, 525-528, 11th 12th Feb. 2016.
- 21. Ratul De, Brij Bhushan Chowdhury, Manik Bhowmik "A novel design of dual frequency SIW slot antenna" 3rd International Conference on Signal Processing and Integrated Network, Amity University, Noida, 445 448,11th -12th Feb. 2016.

Patent Filed:

Inventor	Year	Title	Published	Patent	Patent
Name			source	version no.	application no.
Mitra Barun	20-11-	A touch pad based	Filed	Filed	1185/KOL/2015
Sarkar	2015	device with			dated 20-11-

integratedelectronics		2015
tool provide in		
authentication for user		

Distinguished Visitors to the Departments:

Sl.	Name of the Visitors and	Date of Visit	Purpose of Visit
No.	Designation	J	1 3
1	Dr. Anup Dandapat, Asso. Prof,	12 th - 13 th May, 2015	M.Tech Thesis Evaluation
	NIT, Meghalaya		
2	Prof. U. Sripati, Professor, NIT	19 th -20 th November,	Syllabus Revision
	Karnataka, Surathkal	2015	
3	Prof. S. R. Bhadra Chaudhuri,	19 th -20 th November,	Syllabus Revision
	Professor, IIEST, Shibpur	2015	
4	Prof. Madhu Mutyam, IIT	21 st January, 2016	One day Workshop
	Madras		
5	Sr. Scientist Pankaj B Agarwal,	21 st January, 2016	One day Workshop
	CEERI Pilani	4	
6	Prof. Saurabh Lodha, IIT	14 th -16 th February,	INUP,2 day's Workshop
	Bombay	2016	
7.	Dr. Udayan Ganguly, IIT	14 th -16 th February,	INUP,2 day's Workshop
	Bombay	2016	
8	Dr. Swaroop Ganguly, IIT	14 th -16 th February,	INUP,2 day's Workshop
	Bombay	2016	
9	Dr. Sushobhan Avasthi, IIT	14 th -16 th February,	INUP,2 day's Workshop
	Bombay	2016	
10	Prof. Anil Kottanthriyal, IIT	14 th -16 th February,	INUP,2 day's Workshop
	Bombay	2016	
11	Prof. Satyabrata Jit, Professor,	30 th March, 2016	PhD. Thesis Evaluation
	IIT BHU		
12	Prof. Subir Kumar Sarkar,	30 th March, 2016	PhD. Thesis Evaluation
	Professor, Jadavpur University		

12.0 ELECTRONICS & INSTRUMENTATION ENGINEERING DEPARTMENT

12.1 Introduction:

The Department of Electronics and Instrumentation Engineering (EIE) has been in existence since July 2009 with its first batch graduating in May 2013. The undergraduate course provides a dynamic foundation to the students in EIE. The main objective of the department is to convey quality education and to motivate the students towards practical applications of the field. The department is supported by various well-equipped laboratories to meet the requirement of the undergraduate students. The Department has qualified and experienced faculty and staff members to develop highly competing young engineers, scientist and management professionals of international standard. Best endeavour is always being put forward for the recruitment of qualified and competent faculty members from all over the country to achieve all round growth at par with any other famous Institute. Special attention is being taken to build the character of students with social commitment and turn them into responsible citizens.

12.2 Academic Programme:

Students on Roll:

Programme	$1^{st}/2^{nd}$	$3^{rd}/4^{th}$	$5^{th}/6^{th}$	$7th/8^{th}$	Others	Total
	semester	semester	semester	semester		
B. Tech.	43	39	46	49	0	177
M. Tech	NA	NA	NA	NA	NA	0
Ph. D.	NA	NA	NA	NA	NA	0
Total						177

12.3 Lab Facilities:

Electronics and Instrumentation Engineering Department is now becoming well-equipped with the laboratories. But a few number of common laboratories of Electrical Engineering and Electronics and Communication Engineering Departments are jointly being used for the routine laboratory classes of the students. The Industry oriented two new laboratories 'DCS & PCS' and 'Hydraulic & Pneumatic' control system are already set up in our department. The name of the Laboratories are Network Analysis and Synthesis, Electrical Measurement and Measuring Instruments, Analog Electronic Circuits, Programming in C, Instrumentation Devices –I, Digital Electronics, Numerical Methods and Analysis, Industrial Instrumentation, Electronic Instrumentation and Measurement, Linear Control Systems, Process Control –I, Power Electronics, Microprocessor and microcontroller, Process Control-II, Digital Signal Processing, Digital Image Processing Lab (Elective-I), Telemetry & Remote Control and Industrial Automation & Control Lab (Elective-II).



Some photos of laboratory equipments.

12.4 Research and Consultancy:

Distinguished Visitors to the Departments:

Sl.	Name of the Visitors and Designation	Date of Visit	Purpose of Visit
No.			
1.	Mr. Shubhasish Kar, Scientist 'D',	17 th April, 2015	To conduct Grand Viva
	Electronic Test and Development Centre,		of 8 th Semester B.Tech
	Ministry of Communication, Department		
	of Information Technology, Govt of India		

13.0 HUMANITIES & SOCIAL SCIENCES DEPARTMENT

13.1 Introduction:

The ultimate objective of any education system is to produce human capital who will be responsible citizen, besides excelling in his/her own domain. To produce a complete technocrat, only technical knowledge seldom serves the purpose. He/ she has to be socially aware with a compassionate human faculty. The Department of Humanities & Social Sciences was established with an objective of making an engineer enlightened with adequate knowledge of his/ her surroundings. The approach of the Department has always been interdisciplinary.

13.2 Academic Programme:

The Department of Humanities and Social Sciences offers undergraduate courses in English, Costing, Economics and Management for the B. Tech. students and English for BS-MS as well as BT-MT. The department also offers postgraduate courses in Economics to the M.Tech. students, English and Management to the MCA student and English and Economics to the MBA students. Besides that the Department is also running Ph.D. programme.

13.3 Lab Facilities:

The Department of Humanities and Social Sciences has a language communication skills and multimedia lab which is developed in collaboration with CACM, IIT Kharagpur. The lab which functions on a carefully designed software ISILS WIRELESS interconnects all the students in the classroom into an integrated and active mode of learning facilitating spontaneous interaction among the students themselves along with the instructor. The lab concerns to bypass the traditional lecture-based mode of learning and aims at rendering an interactive classroom atmosphere with technological support to help students come to terms with the anxiety of second language learning and channelize their latent linguistic competence into developing communication skills.

13.4 Faculty and their Activities:

Short-Term Courses/ Workshops/ Seminar/ Symposia/ Conferences organized by the faculty members:

Sl. No.	Name of Faculty	Title	Period
1	Dr. Debasis Neogi	Two Days Workshop on Sustainable	04 th -05 th March,
	(Coordinator)	Development in Rural Areas	2016

Short-Term Courses/ Workshops/ Seminars/ Symposia/ Conferences/ Training attended by the Faculty in Academic Institutions and Public Sector Undertakings:

Work	rshop:					
S1.	Name of Faculty		Title of the	Workshop		Period
No.				•		
1.	Dr. Gyanabati Khuraija	am	Two Days Workshop on "Sustainable		04 th	-05 th March,
	(As Resource Person)		Development in Ru	ıral Areas"	2016	
2	Dr. Anuradha		Two Days Worksho	op on "Sustainable	04 th	-05 th March,
	Nongmaithem		Development in Ru		2016	
3	Dr. Kaju Nath		Two Days Worksho		04 th	-05 th March,
			Development in Ru		2016	
4	Mr. Bidyasagar Debna	th	Two Days Worksho	•		-05 th March,
			Development in Ru		2016) th
5	Mr. Nabendu Debnath		Two Days Worksho	•		-05 th March,
			Development in Ru		2016) th
6	Ms. Emily Sharma		Two Days Worksho			-05 th March,
<i>C</i> **	<u> </u>		Development in Ru	iral Areas'	2016)
	erence:	1	ma ca s	mid ed e		D • *
Sl.	Name of Faculty		Title of the Paper	Title of the Semin	ıar/	Period
No.	D D I ' M '	_	11	Conferences		09 th -10 th
1	Dr. Debasis Neogi		ploring the	UGC Sponsored		
			nkage between frastructural	National Seminar o	n	October,
				"Infrastructure	1: .	2015
			rowth and	Development in Inc		
			trepreneurship evelopment: A	with special referent to the North Eastern		
			udy with Special	States"	П	
			eference to Rubber	States		
			dustry			
2	Dr. Debasis Neogi		ocial Sector	UGC Sponsored		09 th -10 th
_	Di. Debusis i teogr		spenditure in	National Seminar o	n	October,
			ipura: A Study on	"Infrastructure		2015
			atus and Pattern of	Development in Inc	dia	
		Go	overnment	with special referen		
		Ex	penditure in	to the North Eastern		
		Ed	lucation and Health	States"		
		Se	ctor			
3	Dr. Kaju Nath		cial Sector	UGC Sponsored		09 th -10 th
			penditure in	National Seminar o	n	October,
			ipura: A Study on	"Infrastructure		2015
			atus and Pattern of	Development in Inc		
			overnment	with special referen		
			penditure in	to the North Eastern	n	
			lucation and Health	States"		
		Se	ctor			

4	Mr. Nabendu	Social Sector	UGC Sponsored	$09^{\text{th}} - 10^{\text{th}}$
	Debnath	Expenditure in	National Seminar on	October,
		Tripura: A Study on	"Infrastructure	2015
		Status and Pattern of	Development in India	
		Government	with special reference	
		Expenditure in	to the North Eastern	
		Education and Health	States"	
		Sector		

13.5 Research and Consultancy:

Research Publications:

Total No. of papers published in Refereed International Journals	: 09
Total No. of papers presented in National Conference	: 04
Total No. of Books published	: 01
Total No. of Chapters in Edited Book published	: 01

In Refereed International Journals:

- (1) Debasis Neogi, 'Poverty and earning compulsions for the family have pushed children out of schools: a study in dropouts in basic education level in north-east India', International Journal of Social Economics, 42 (10), 946-958, (2015).
- (2) Debasis Neogi, 'Testing Sigma and Unconditional Beta Convergence of GDP for SAARC Countries: Can Inclusion of China Further Consolidate the Convergence?' Global Business Review, 16 (5), 845-855, (October, 2015).
- (3) G. Khuraijam, and Y. O. Singh, 'Amitav Ghosh's A Circle of Reason: A Clash between Superstition and Scientific Reason', Khazar Journal of Humanities and Social Sciences, 18, 5-17, (September, 2015).
- (4) Anuradha Nongmaithem, 'An Exclusive Interview with Dr. S. Thaninleima', Journal of Humanities and Social Science, 21 (3), 28-30, (March, 2015).
- (5) Anuradha Nongmaithem, 'Re-Reading of Shange's for colored girls who have considered suicide when the rainbow is enuf', Research Chronicler Journal, 3, 35-41, (2015).
- (6) Anuradha Nongmaithem, 'Betsey Brown: A Reading', International Journal of Research in Engineering, IT and Social Sciences, 5, 1-8, (2015).
- (7) Anuradha Nongmaithem, 'Soft Skills and Its Importance in Students' Lives, 'International Journal of Multidisciplinary Research Review, 1, 186-188, (2015).
- (8) Anuradha Nongmaithem; 'Feminism: An unfinished project in Manipur', International Journal of English Language, Literature and Humanities, 10 (3), 278-285, (December, 2015).
- (9) Anuradha Nongmaithem, 'Soft Skill: A Challenge', International Journal of English Language, Literature and Translation Studies, 3, 127-129, (2016).

In Proceedings of National Conference:

Name of the	Name of the Paper	Place of the	Name of the	Date/
Conference		Conference	participants	Duration
UGC Sponsored	Exploring the Linkage	Womens	Mr. Sankha	09 th -10 th
National Seminar on	between Infrastructural	College,	Pallab	October,
"Infrastructure	Growth and	Agartala,	Chakrabarty,	2015
Development in India	Entrepreneurship	Tripura, India	Dr. Debasis	
with special reference	Development: A Study		Neogi	
to the North Eastern	with Special Reference			
States"	to Rubber Industry			

Books Published:

Name of the	Title of the Book	Name of the Publisher	Year of
Authors			Publication
Kaju Nath	Economics of Fisheries in North East	Concept Publishing	2016
	India: Opportunities and Challenges	Company (P) Ltd. New	
	(ISBN 9351251500/ 9789351251507)	Delhi- 110 059	

Chapters in Edited Book:

Name of the Authors published	Title of the paper	Title of the Book	Date of publication of the Book	Page No.
Gyanabati Khuraijam and Yumnam Oken Singh	Adaptation: A Journey from Words to Visuals	R. K. Narayan's <i>The Guide</i> : Film Adaptation and Recreation of a New Text. Ed. Srikrishna Rai and Anugamini Rai. ISBN(13):978-1-4438-7466-3	2015	Pp 81-91

Distinguished Visitors to the Department:

S1.	Name of the Visitors and Designation	Date of Visit	Purpose of Visit
No.			_
01	Dr. Amit Kar	12 th – 14 th July,	External Expert for
	Senior Scientist	2015	PhD. Viva Voce
	Indian Council of Agricultural Research		Examination
	New Delhi.		

14.0 MECHANICAL ENGINEERING DEPARTMENT

14.1 Introduction

The Department of Mechanical Engineering at NIT Agartala was formed in 1965, when the institute started as a State Engineering College by the name of Tripura Engineering College. Currently, the department has more than 363 students in the B.Tech. programme, 87 students in the M. Tech. programme and 30 Scholars in the Ph.D. programme, which are supported by 31 faculty members and 24 staff.

Since its inception, the department has always been recognized for excellence in academics. Over the years, the department has strengthened its research activities, introduced new M.Tech academic programme and contributed to the society by taking part in consultancy work. The focus of the department has been in developing the state-of-art computational and experimental facilities for teaching and research. The department comprises of about 16 laboratories equipped with sophisticated instruments.

The major research areas include advanced/ non-traditional machining processes, aerodynamics, bearing design, CAD/CAM, combustion, composites, computational contact impact analysis, computational fluid mechanics, computational mechanics, convection, refrigeration systems, energy conservation fatigue, wear and failure analysis, finite element methods, fracture mechanics, heat transfer, internal combustion engines, materials processing and characterization, metal casting, metal forming, multi-phase flows, nano-fluids, propulsion, renewable energy, robotics, rotordynamics, soft computing in design and manufacturing, welding, tribology, turbomachines, turbulence, vibration etc.

14.1.1 Motivation

"To produce high quality Mechanical Engineers with techno-managerial ability to contribute in Industry and Research areas maintaining professional ethics and values."

14.1.2 Aim

- To create knowledge through research in the science and technology of mechanical engineering; to share knowledge through educational programmes and the dissemination of our new discoveries; and to develop the professional potential of faculty, staff, and students.
- To offer an inviting, nurturing, and challenging environment, this is responsive to the intellectual, social, and cultural needs of a diverse learning community.
- To have research portfolio encompassing traditional areas of mechanical engineering, as well as emerging and interdisciplinary ones.
- To foster creativity and critical thinking skills through research and design experiences.

14.2 Academic Programme

Program	1 st Sem	3 rd Sem	5 th em	7 th Sem	Total
B.Tech	88	96	91	88	363
M. Tech	39	48			87
Ph. D.		·		•	30
	•			Grand Total	480

14.3 Lab Facilities:

The Mechanical Eingineering Department has Vibration, Mechanical Measurement & Metrology, Refrigeration & Air conditioning, Computational Lab-1 & 2, Tribology, Thermal Power, Wind Tunnel, IC Engine, Strength Of Material, Fluid Mechanics, Heat Transfer, CNC Machine and FMS Laboratories.











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14.4 Faculty and their Activities:

Short-Term Courses/ Workshops/ Seminar/ Symposia/ Conferences organized by the faculty members:

memb	members:					
S1.	Co-ordinators	Title	Period			
No.						
Work	shops					
1.	Dr. Swapan Bhaumik &	Two days National Workshop on	4 th -5 th March,			
	Dr. DebasishNeogi	"Sustainable Development in Rural	2016.			
		Areas."				
2	Dr. Ajay Biswas and	Two days National Workshop on "3D	11 th -12 th March,			
	Dr.Subrata Kr Ghosh	Printing and Laser Application in	2016			
		Manufacturing Processes."				
3	Prof. S.C. Saha and	Two days National Workshop on	11 th -12 th March,			
	Dr.Swarup Pal	"Product Design and Development."	2016			
4	Dr. Swapan Bhaumik,	Two days National Workshop on	25 th -26 th March,			
	Mr. Abhik Majumder	"Advances in Two-Phase Flow and	2016			
	and Mr. Sudev Das	Heat Transfer."				
Semi	nar:					
1.	Dr. Swapan Bhaumik	One day Seminar on "Good Governance	9 th April,2015			
		in Educational Institutions".				
		Keynote Speaker-Professor Ashok				
		Mishra				
2.	Dr. Swapan Bhaumik	Lecture on "Nature's Niche in Applied	24 th July,2015			
	_	Problem Solving."				
		by Prof. (Dr.) Kalyanmoy Deb, Koenig				
		Endowed Chair Professor, Michigan				
		State University, USA				
3	Dr. Swapan Bhaumik	One day Session on Interaction among	13 th August,2015			
		Faculty Members, Alumni and students				
		of Mech. Engg. Deptt.				
4.	Dr. Swapan Bhaumik	One day Seminar on "Entrepreneurship	12 th November,			
	_	And Industrial Growth".	2015			
		Chief Guest: Md. Alamgir Kabir				
		Chairman, GPH Ispat Ltd. & Additional				
		Managing Director, M.I. Cement Factory				
		Ltd. (Crown Cement)				
		Dhaka, Bangladesh				
5.	Mr. Dipak Chandra Das	One day Seminar on "Basic	10 th March, 2016			
		Psychrometry & Fan and Blower."				
6.	Mr. Dipak Chandra Das	Installation/inauguration of	10 th March, 2016			
		"ISHRAE (Indian Society of Heating,				
		Refrigerating and Air Conditioning				
		Engineers) Student Chapter"				
Confe	erence:					
1.	Dr.Swapan Bhaumik	Two days National Convention	18 th -19 th July,2015			
	along with Production	on "Sustainable Manufacturing".				

	Engg. Deptt., NITA &	Chief Guest –Professor GoutamBiswas,	
	Tripura State Centre of	Director, IIT Guwahati	
	IEI		
2.	Dr. Swapan Bhaumik	Two days National Mechanical	9 th -
	and Dr. Subrata Kumar	Engineering Conclave: "Boosting for	10 th October,2015
	Ghosh	Academic, Research, Innovation and	
		Socio-economic development in the	
		region of all NITs of India".	
		Guests – Professor Rajat Gupta,	
		Director, NIT Srinagar & Dr. D N	
		Reddy, Former Chairman, Recruitment,	
		DRDO, New Delhi,	

Short-Term Courses/ Workshops/ Seminars/ Symposia/ Conferences/ Training attended by the Faculty in Academic Institutions and Public Sector Undertakings:

Sl.	Name of Faculty	Title	Period
No.			
Works	hop:		
1.	Mr. Krisanu Gupta, Mr. PrasenjitDey, Dr. Joydeep Roy, Dr. Abhishek Paul.	"Sustainable development in rural areas."	04 th -05 th March, 2016
2.	Mr. Arindam Sinha Miss Moutoshi Singha Roy. Miss Mitali Debnath. Dr. Swapan Bhaumik, Dr. G.R.K Shastry, Dr. Madhujit Deb, Dr. Joydeep Roy, Mr. Krisanu Gupta, Mr. Prasenjit Dey,	"3D Printing and Laser Application in Manufacturing Processes."	11 th -12 th March, 2016
3.	Dr. Joydeep Roy, Dr. Swapan Bhaumik, Dr. G.R.K Shastry, Dr. Madhujit Deb, Mr. Krisanu Gupta, Mr. Prasenjit Dey,	"Product Design and Development."	11 th -12 th March, 2016
4.	Mr.Dipak Chandra Das	National Workshop on "Advances in Two-Phase Flow and Heat Transfer"	25 th -26 th March ,2016
Short-	Term Courses:		
1.	Mr.Dipak Chandra Das	Two-week ISTE STTP on "Thermodynamics (BMWME209X)" conducted by IIT Bombay.	16 th July 2015 – 21 st December, 2015)

2.	Mr.Durbadal Debroy,	Two - week ISTE STTP on	2 nd June 2015-12 th
	Dr. Abhishek Paul	"Environmental Studies"	June 2015
3.	Dr. G. R. K. Sastry	Ninth Faculty Development	07 th -
		Program under TEQIP-II	12 th September,
		For Achieving Academic	2015
		Excellence, IIM Raipur	

Visits Abroad by Faculty:

	Abroaa by Facuity:	1		
Sl.	Name of Faculty	Country	Date	Purpose of Visit
No.		Visited		_
1.	Dr. Swapan	Chittagong,	02 nd -	Participated in Rotary Day
	Bhaumik	Bangladesh	4 th December,	Celebration as the Secretary of
			2015	Rotary Club of Agartala City
2.	Dr. Ajoy Kumar	Venice,	22 nd -23 rd June,	To present research paper orally
	Das	Italy	2015	in The International Conference
				on Applied Simulation Modeling
				and Analysis
3.	Dr. John Deb	Venice,	22 nd -23 rd June,	To present research paper orally
	Barma	Italy	2015	in The ICMSE 2015: 17th
				International Conference on
				Manufacturing Science and
				Engineering
4.	Dr. Barnik Saha	Venice,	22 nd -23 rd June,	To present research paper orally
	Roy	Italy	2015	in The 18th International
				Conference on Fluids and
				Thermal Systems Engineering
5.	Dr.Prasun	Bangladesh	01 st -05 th August,	Proposed MOU with BUET
	Chakraborti		2015	Bangladesh

Fellowships of Academics and Professional Societies:

Sl. No.	Name of Faculty	Level	Year
ISTE/ CS	SI and others		
1	Dr.Swapan Bhaumik	Member, ASME	2015
2	Dr. Ravi Kiran Sastry	Member, ASME	2015

14.5 Research and Consultancy:

Sponsored Research Projects:

Spon	sorea Kesearch Frojecis.				
Sl. No.	Title	Period (Years)	Funding Agency	Amou nt (in lakhs)	Co-ordinators
1.	Parametric Optimization and Heat	3	AICTE,	10	Dr. Ajay Biswas
	Transfer Study During Submerged		NEW		& Dr. Swapan
	Arc Welding		DELHI		Bhaumik
2.	Modrob Project Titled	3	AICTE,	12	Dr. Ajay Biswas

	"Modernization of Fitting Shop,		DELHI		
3.	Carpentry And Machine Shop" Feasibility Study Of Nano Particle Based Two Phase Air Water Heat	3	AICTE	12.8	Mr. Abhik Majumder
4.	Exchanger Study of Heat Transfer Microstructure in Friction stir welding	3	AICTE	8	Dr. S.C.Saha & Dr. JohnDeb Barma
5.	Integrated Modeling and Experimental verification of Friction stir welding of 6 xxx series of aluminum alloy with dissimilar metals: Process, Microstructure & properties	3	AICTE	17.65	Dr. S.C. Saha & Mr. Barnik Saha Roy
6.	Tribological study of Bio Materials for Human Joints	3	RPS,AIC TE	18	Dr. Prasun Chakraborti
7.	Study of Tribological Properties of Cylinder liner ring combination with alternative fuel & Diesel.	3	RPS,AIC TE	18	Dr. Prasun Chakraborti & Mr. Pankaj Kumar Das
8.	Modernization of Heat Transfer Laboratory.	3	AICTE	12	Dr. Swapan Bhaumik
9.	Experimental & Computational Study of Fluid Flow through Buffles	3	AICTE	13	Dr. R.S. Panua
10.	Studies on the Drag between the Slipper and the Swashplate in an Axial Piston Pump	3	RPS, AICTE	9	Dr. Prasun Chakraborti & Mr. Kishan Chaudhury
11.	Development of an artificial intelligence model to simulate the performance and emission characteristics of a diesel engine operating in dual fuel mode with biodiesel and CNG under various EGR strategies	3	AICTE	19.7	Dr. Rahul Banerjee
12.	Modernization of Tribology Lab under Mechanical Engg. Deptt.	3	AICTE	15	Dr.Prasun Chakraborti
13.	FIST Project	5	DST,NE W DELHI	224	Dr. Swapan Bhaumik(HoD)
14.	Study And Investigation Of The Effect Of Greenhouse In Drying Perforated Bricks	1	IEI,KOLK ATA	0.30	Dr. Swapan Bhaumik- Student Project
15.	Study And Experimental Investigation Of Utilization Of	1	IEI,KOLK ATA	0.20	Dr. Swapan Bhaumik-

Wastage Of	Bamboo Based Industry		Student Project
At Bamboo	Park, Ramchandranagar,		
Agartala.	_		

Industrial Consultancy:

Sl.	Name of the	Title	Industry	Amount
No.	Faculty			(Rs)
1.	Majority of Faculties	Third party Inspection of	Education	3,14 ,875.00
	and supporting staff	20,000 Nos of Girls Bi-Cycle	Department,	
	of the Department	F.17(50-01)/	Government of	
	_	SE/Engg/2015/597-98	Tripura	
2.	Prof. Pankaj Kr. Das,	Testing of TMT Bar	PWD,	3,25,000.00
	Dr. Swapan		UDD,GOT	
	Bhaumik & other			
	few faculty members			
3.	Dr. John Deb Barma	Capacity and Process	Greenply	85,000.00
		Assessment after expansion/	Industries Ltd.,	
		modernization of Project	Tizit,	
		, and the second	Nagaland	

Research Publications:

Total No. of papers published in Refereed International Journals

1 Total No. of papers presented in National Conference

1 Total No. of papers presented in International Conferences

1 07

In Refereed International Journals:

- (1) Prasenjit Dey, Ajoy Kumar Das, "Numerical analysis and prediction of unsteady forced convection over a sharp and rounded edged square cylinder", 'Journal of Applied Fluid Mechanics'; Vol. 9 (3), pp. 1189-1199,15th April, 2015.
- (2) AbhijitSarkar, ApareshDutta, PrasenjitDey, R.N.Rai, S.C.Saha, "A Numerical Approach For Modelling Thermal Profiles And Effects Of Process Parameters On It In Submerged Arc Welding Of AISI 1518 Grade Steel", 'Journal of Thermal Engineering'; Vol.1 ,pp. 505-516,May, 2015.
- (3) PrasenjitDey, Ajoy Kumar Das; "Numerical analysis of drag and lift reduction of square cylinder", 'Engineering Science and Technology,an International Journal'; Vol. 18(4), pp. 758–768,11th June 2015.
- (4) Prasenjit Dey, AbhijitSarkar, Ajoy Kumar Das, "Prediction of Unsteady Mixed Convection Over Circular Cylinder in the Presence of Nanofluid- A Comparative Study of ANN and GEP", 'Journal of Naval Architecture and Marine Engineering'; Vol. 12 (1), pp. 21-35,June, 2015.
- (5) Dr. Prasun Chakraborti, Nabarun Biswas, P Dhar, "Transient CFD Analysis Of 3-Lobe Bearings at 60000 and considering various roughness parameters rpm for A Gas Turbine", 'Procedia Engineering'; Vol. 105, pp. 225-231,11th June 2015.

- (6) Dipak Chandra Das, Koushik Ghosh and Dipankar Sanyal; "A Scale Analysis Model for Film Boiling Heat Transfer on a Vertical Flat Plate with Wide Applicability", 'International Journal of Heat and Mass Transfer'; Vol. 90, pp. 40–48,15 June, 2015.
- (7) Bikash Choudhuri, Ruma Sen, S.K. Ghosh, S.C. Saha, "Modelling and multi-response optimization of wire electric discharge machining parameters using response surface methodology and grey–fuzzy algorithm", Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, vol. 0, 8 Aug 2016.
- (8) Abhijit Sarkar, R.N.Rai, S.C.Saha, "A study of parametric effect of thermal profile of submerged arc welding process", 'Journal of Naval Architecture and Marine Engineering'; Vol. 12, pp. 43-56, June, 2015.
- (9) Barnik Saha Roy, TanmoyMedhi, S.C.Saha, "Material Flow Modeling in Friction Stir Welding of AA6061-T6 Alloy and Study of the Effect of Process Parameters", 'International Journal of Environmental, Chemical, Ecological, Geological and Geophysical Engineering'; Vol. 6, pp. 636-644, June, 2015.
- (10) Madhujit Deb , G.R.K. Sastry, P.K. Bose,Rahul Banerjee, "An experimental study on combustion, performance and emission analysis of a single cylinder, 4-stroke DI-diesel engine using hydrogen in dual fuel mode of operation", 'International Journal of Hydrogen Energy'; Vol. 34 (27), pp. 8586–8598,July 2015.
- (11) Manoj Kr. Triveni, RajsekharPanua, DipakSen, "Natural Convection in a Partially Heated Triangular Cavity with Different Configurations of Cold Walls", 'Arabian journal for science and engineering'; Vol. 40 (11), pp. 185-193, July, 2015.
- (12) Sumit Roy ,Ajoy Kumar Das , Vivek Singh Bhadouria , Santi Ranjan Mallik ,Rahul Banerjee, Probir Kumar Bose; "Adaptive-neuro fuzzy inference system (ANFIS) based prediction of performance and emission parameters of a CRDI assisted diesel engine under CNG dual-fuel operation", 'Journal of Natural Gas Science and Engineering'; Vol. 27 (1), pp. 274–283,August 2015.
- (13) Madhujit Deb , Abhishek Paul , DurbadalDebroy , G. R. K. Sastry , Raj SekharPanua, P. K. Bose ,Rahul Banerjee; "An experimental investigation of performance-emission trade off characteristics of a CI engine using hydrogen as dual fuel", 'Energy'; Vol.88, pp.974-974,August 2015.
- (14) Rahul Banerjee, Sumit Roy ,Probir Kumar Bose; "Hydrogen-EGR synergy as a promising pathway to meet the PM–NOx–BSFC trade-off contingencies of the diesel engine: A comprehensive review", 'International Journal of Hydrogen Energy'; Vol. 40(37), pp. 12824–12847,August 2015.
- (15) Udayan Majumder, PrasunChakraborti, Rahul Banerjee, Bishop Debbarma; "Experimental study on the role of ethanol on performance emission trade-off and tribological characteristics of a CI engine", 'Renewable Energy'; Vol. 86, pp.972-984,September 2015.
- (16) G.R.K. Sastry, J. K. Panda, P. Dutta, "A Study with Diesel Additives and Fish Methyl Ester on Diesel Engine at Full Load Condition", 'Applied Mechanics and Materials'; Vol. 789-790, PP.179-183, September 2015.
- (17) P. Dutta, S.C. Panja, G.R.K. Sastry, "An Investigation of Machining Time and Surface Roughness in Wire-EDM for Inconel 800", 'Applied Mechanics and Materials'; Vol. 789, pp.20-24, September 2015.
- (18) Amitav Chakraborty, Sumit Roy, Rahul Banerjee, "An experimental based ANN approach in mapping performance-emission characteristics of a diesel engine operating in dual-fuel

- mode with LPG", 'Journal of Natural Gas Science and Engineering'; 28, pp. 15-30, November 2015.
- (19) Revati Rani, Niranjan Kumar, Alexey T Kozakov, Alexandrovich K Googlev, Kamatchi Jothiramalingam Sankaran, Pankaj Kr. Das, Siaram Dash, Ashok Kumar Tyagi, I-Nan Lin; "Superlubrication properties of ultra-nanocrystalline diamond film sliding against a zirconia ball", Vol. 5 (122), pp. 100663-100673, November 2015.
- (20) Nabanita Banik, VidyutDey, GR K Sastry; "A review on the effect of humidity & its prevention upon bamboo-fiber green composites"; 'South Asian Journal of Engineering & Technology (SAJET)'; Vol.2(1), pp. 24-30,21stNovember 2015.
- (21) Biswajit Das, S. Roy, R. N. Rai, S. C. Saha, "Study on Machinability of in-situ Al-4.5%Cu-TiC Metal Matrix Composite–Surface Finish, Cutting Force Prediction using ANN", 'CIRP Journal of Manufacturing Science and Technology'; Vol. 12, pp.67-78, November, 2015.
- (22) Prasenjit Dey, Ajoy Kumar Das; "A utilization of GEP (gene expression programming) metamodel and PSO (particle swarm optimization) tool to predict and optimize the forced convection around a cylinder", 'Energy'; Vol. 95 (2016), pp. 447-458,6th Dec, 2015.
- (23) Tanmoy Medhi, BarnikSahaRoy, Subodh Debbarma, S.C.Saha; "Thermal Modeling and the effect of process parameters in friction stir welding", "Materials Today: Proceedings"; Vol. 2, pp. 3178-3187, September, 2015.
- (24) Rahul Banerjee, Bishop Debbarma, Sumit Roy, Prasun Chakraborti, Probir Kumar Bose, "An experimental investigation on the potential of hydrogen–biohol synergy in the performance-emission trade-off paradigm of a diesel engine"; "International Journal of Hydrogen Energy"; Vol. 41(5), pp.3712–3739, January 2016.
- (25) Arindam Majumder, AbhishekMajumder, "Standard Deviation Method Based PSO:: An Instigated Approach to Optimize Multi-Objective Manufacturing Process Parameters", 'International Journal of Swarm Intelligence Research (IJSIR)'; Vol. 7 (2), pp. 15-35, January, 2016.
- (26) M. Triveni, R. Panua and D. Sen; "Effects of Variant Positions of Cold Walls on Narural Convection in a Triangular Cavity"; 'Journal of Applied Fluid Mechanics'; Vol. 9 (1), pp. 185-193, January, 2016.
- (27) Prasenjit Dey, Ajoy Kumar Das; "Heat Transfer Enhancement around a Cylinder A CFD Study of Effect of Corner Radius and Prandtl Number"; 'Int. J. Chem. React. Eng.', Vol. 14 (2), pp. 587–597,24th February, 2016.
- (28) S. Roy ,A K Das , R Banerjee; "Grey-Fuzzy Taguchi approach for multi-objective optimization of performance and emission parameters of a single cylinder CRDI engine coupled with EGR", "International Journal of Automotive Technology";; Vol.17(1), pp. 1-12, February 2016.
- (29) Gupta P, Roy J, Rai RN, Rao AP, Saha SC; "Effect of B2O3 containing fluxes on the microstructure and mechanical properties in submerged arc welded mild steel plates"; 'Materials Science and Engineering'; Vol. 114 (1), p. 012102, February 2016.
- (30) Arindam Majumder, Dipak Laha; "A New Cuckoo Search Algorithm for 2-Machine Robotic Cell Scheduling Problem with Sequence-Dependent Setup Times"; 'Swarm and Evolutionary Computation'; Vol. 28, pp. 131–143,11th March, 2016.
- (31) Divyprakash C Pal, Abhik Majumder; "Numerical study of fin-tube type heat exchanger with delta winglets"; 'Frontiers in Heat and Mass Transfer'; Vol. 7 (1), pp. 1-9,March 2016.

- (32) Partha Pratim Saikia, Abhik Majumder; "Performance Study Continuous Helical Baffle Shell and Tube Heat Exchanger With Central Low Pressure Regions"; 'Journal of Thermal Science and Engineering Applications'; Vol. 8 (3), p. 031002, March 2016.
- (33) Das, Sudev; Durbba, S.K; and Bhaumik, Swapan; "Experimental study of nucleate pool boiling heat transfer of water on silicon oxide nanoparticle coated copper heating surface"; 'Applied Thermal Engineering (Elsevier)'; Vol. 96, pp. 555-567, March 2016.
- (34) Das, Sudev; Bhaumik, Swapan; "Experimental study of nucleate pool boiling heat transfer using water on thin film Surface"; 'Iranian Journal of Science & Technology: Transactions of Mechanical Engineering (Springer)'; Vol. 40(1), pp 21-29, March 2016.

In Proceedings of National Conference:

(1) Ajay Biswas, AbhijitBhowmik," Study of optimal process condition of Submerged Arc Welding at zero degree celsius and thirty degree celsius plate temperature", The 30th National Convention of Production Engineers (NCPR-2015), 18th-19th, July2015

In Proceedings of International Conference:

Name of the Conference	Place of the Conference	Name of the participants	Date/ Duration
International Conference on Applied Simulation Modeling and	Venice, Italy	BarnikSaha Roy, T Medhi ,S C Saha	22 nd -23 rd June, 2015
Analysis			2 days
17th International Conference on	Venice, Italy	Sheetal Kumar	22 nd -23 rd
Manufacturing Science and		Parwar, John Deb	June, 2015
Engineering		Barma, ArindamMajumder	2 days
18th International Conference on	Venice, Italy	Ajoy Kumar Das,	22 nd -23 rd
Fluids and Thermal Systems		PrasenjitDey	June, 2015
Engineering			2 days
ICME 2015	BUET,	PrasunChakraborti,	$18^{\text{th}} - 20^{\text{th}}$
	Bangladesh	NabarunBiswas,	December
		AnkuranSaha,	2015
74 ICEEC Lateractical West states	HT IZ	SrijitBiswas	3 days 21 st - 23 rd
7th ISEES International Workshop	IIT Kanpur,	PrasunChakraborti,	December,
on Sustainable Energy,	Kalyanpur Kanpur	Bishop Debbarma, Rahul Banerjee.	2015
Environment & Safety with	Kanpui	Ranui Dancijee.	3 days
Railway Centric Theme			,
5th International Conference of	GRIET,	ArindamMajumder	13 th -12 th
Materials Processing and	Hyderabad,	, DipakLaha	March 2016
Characterization (ICMPC 2016)	India		2 days
International Conference on Recent	Jaipur National	Mukul	17 th -19 th
Trends in Engineering and Material	University,	Ray Sandipan Deb	March, 2016
Sciences (ICEMS)	Jaipur,	and	3 days

Title of paper: Experimental	Rajasthan,	SwapanBhaumik	
investigation of nucleate pool	India,		
boiling heat transfer of R134a on			
TiO ₂ coated TF surface			

Distinguished Visitors to the Departments:

Sl. No.	Name of the Visitors and	Date of	Purpose of Visit
	Designation	Visit	
1.	Prof. (Dr.) Anil Sahasrabudhe	14 th	Visited department in
	Chairman, AICTE, New Delhi	November,	connection with delivering
		2015	Convocation address
2.	Mr.Tarak Saha	23 rd	To visit Alma matter and have
	Group General Manager	February,	interaction with present students
	ONGC (Mumbai)	2016	
3.	Prof (Dr.) S. Garimella,	4 th March,	To deliver Expert Lectures on
	Director and Dean,	2016	Entrepreneurship Development
	Institute of Management,		in Rural Areas.
	NirmaUniversity,Ahmedabad,		
	Gujrat		
4.	Mr.UtpalBiswas ,Zonal Chair -	10 th March,	To handover the Charter of
	East	2016	newly formed ISHRAE Student
	The Indian Society of Heating		Chapter at ME Deptt.
	Refrigerating and Air		
	Conditioning Engineers		
	(ISHRAE)		
5.	Mr.Prabir Kumar Sen	10 th March,	To deliver Expert Lectures
	HV & AC Consultant	2016	
	Kolkata		
	ISHRAE	d-	
6.	Dr. G. Saravana Kumar,	11 th March,	For delivering expert lecture in
	Associate Professor, Department	2016	TEQIP Sponsored Workshop
	of Engineering Design, Indian		
	Institute of Technology Madras.	d-	
7.	Mr.Pradip Kumar Biswas	11 th March,	To visit Alma matter and have
	General Manager (RH)-TBG	2016	interaction with present students
	(East)		
	IDBI Bank, Kolkata		
8.	Dr.Pulak M. Pandey, Associate	11 th March,	For delivering expert lecture in
	Professor, Department of	2016	TEQIP Sponsored Workshop
	Mechanical Engineering, I.I.T.		
	Delhi		
9.	Dr. N R Dhar	12 th March,	For delivering expert lecture in
	Professor	2016	TEQIP
	BUET,Dhaka		

10.	Prof. (Dr.) A K Nath, Professor,	12 th March,	For delivering expert lecture in
	Mechanical Engineering Dept.,	2016	TEQIP Sponsored Workshop
	IIT Kharagpur, West Bengal.		- 1
11.	Dr.Prashant Kumar Jain,	12 th March,	For delivering expert lecture in
	Associate Professor in	2016	TEQIP Sponsored Workshop
	Mechanical Engineering,		
	IIITDM Jabalpur,		
	Madhya Pradesh, India.		
12.	Dr. V K Agarwal	25 th March,	For delivering expert lecture in
	Professor, ChEd,IITRoorkee	2016	TEQIP Sponsored Workshop
13.	Dr. Rishi Raj	25 th March,	For delivering expert lecture in
	Asst. Professor	2016	TEQIP Sponsored Workshop
	Dept. of Mechanical		
	Engineering		
	IIT Patna		
14.	Prof. Prasanta Kumar Das	26 th March,	For delivering expert lecture in
	Prof. & Head of the Department	2016	TEQIP Sponsored Workshop
	Dept. of Mechanical Engineering		
	IIT Kharagpur		
15.	Dr. A K Nayak, Scientist H+,	26 th March,	For delivering expert lecture in
	Reactor Engg. Divn.	2016	TEQIP Sponsored Workshop
	BARC, Mumbai		
16.	Dr. Ravi Kumar	26 th March,	For delivering expert lecture in
	Professor	2016	TEQIP Sponsored Workshop
	Dept. of Mechanical Engineering		
	IIT Roorkee		

14.6 Other Activities:

- Dr. Ravi KiranSastry, FIE Associate Professor and Dr. John Debbarma, Assistant Professor has been nominated in Vidhyalaya Management Committee in respect of KendriyaVidyalaya, NITAgartala for a period of Three Years w.e.f. 11th February, 2016 as Eminent Educationist.
- 2. As Chairman, Tripura State Centre, IEI, Dr. SwapanBhaumik, Associate Professor & Head, Mech. Engg. Deptt. organised the following programme from 1st April,20015 to October 18,2015.
- 3. Lecture Programme on "Project Management" on 1st April, 2015 at Institution Building, P.N. Complex, Agartala where Er. N.K. Dutta, FIE, Past Chairman, The Institution of Engineers (India), Agartala Local Centre and Engineer-in- Chief & Secretary (Retd.), PWD, Govt. of Tripura, Er. P.K. Debnath, FIE, Past Chairman, The Institution of Engineers (India), Tripura State Centre and Chief Engineer (Retd.), PWD (WR), Govt. of Tripura Er. ChamanLal, FIE, Chief Quality Coordinator & Director, NRRDA, Ministry of Rural Development, Govt. of India Er. S.D. Sharma, FIE, Executive Director, N.B.C.C. Ltd. Mr. V N PremAnand, MBCS, Fellow CPD institute (UK), MIEEE(USA), MIITP(NZ), Member

- Royal Society of New Zealand, Contributing Member-International Association of Software Architects(IASA). Member and Faculty Institute Of Directors has graced the programme as Chief Guest, Guest of Honour, Guest of Honour. Special Guest and Expert Speaker respectively.
- 4. Lecture Programme on "Creativity and Innovations in Engineering Organizations" on 10thApril, 2015 at Institution Building, P.N. Complex, Agartala where Professor Ashok Misra, Eminent Educationist and Former Director, IIT Bombay and Professor GopalMugeraya, FIE, Director, NIT Agartalahas graced the Occasion as Chief Guest and Guest of Honour respectively.
- 5. One-Day National Seminar on "Sensitization On Application Of Jute Geotextile (JGT) In Civil Engineering Constructions" on 28thApril, 2015 at PragnaBhawan, Agartala where Er. S.D. Sharma, FIE, Executive Director, N.B.C.C. Ltd, Prof. BiplabHalder, FIE, Pro Vice-chancellor, The ICFAI University Tripura, Mr. DipankarMahto, Secretary, National Jute Board, Mr. T. Sanyal, Chief Consultant, NJB, Mr. P.K. Chaudhury, Principal Technologist, NJB-IJIRA Geotech Cell, Mr. Monimoy Das, Technical Officer, NJB-IJIRA Geotech Cell, Mr. A.K. Khastagir, Project Manager, NJB, Prof. S. K. Ghosh, DJFT, IJT, CU, Dr. JayantaSen, FOSET, Mr. Maloy Dev, Managing Director, Civil Engineering Consultancy Services Pvt. Ltd., Mr. Ranbir Singh, Dy. Chief Engineer, NE Frontier Railway, Mr. Sunil Bhowmik, Engineer-in-Chief, PWD, Tripura has graced the programme as different capacity.
- 6. Observance of "National Technology Day 2015" on 12th May, 2015 at Institution Building, P.N. Complex, Gurkhabasti where Er. D P Singh, Chief General Manager, NE Circle- I, BSNL, Shillong, and Er. J. Ravichandra, General Manager, Telecom, BSNL, Tripura SSA, has graced the programme as Chief Guest and Expert Speaker respectively.
- 7. Observance of "World Telecommunication and Information Society Day- 2015" on 17th May, 2015 at Institution Building, P.N. Complex, Gurkhabasti on the theme of *Telecommunications and ICTs: Drivers of Innovation* where Er. U.C. Bhowmik, Dy. General Manager, B.S.N.L., Tripura SSA, Agartala and Er. Suman Deb, Assistant Professor, CSE Department, NIT Agartalahas graced the programme as Keynote Speaker and Expert Speaker respectively.
- 8. Observance of "World Environment Day- 2015" on 5th June, 2015 at Institution Building, P.N. Complex, Gurkhabasti on the theme of Seven Billion Dreams. One Planet. Consume with Care where Dr. Mihir Kr. Das, Scientist "C", Tripura State Pollution Control Board, Agartala, Dr. Sourabh Deb, Assistant Professor, Department of Forestry and Biodiversity, Tripura University and Er. R.K. Majumdar, FIE, Former Director, Urban Development Department, Govt. of Tripura has graced the programme as Keynote Speaker, Expert Speakers respectively.
- 9. Workshop on "Career Opportunity in Engineering Education and Centralised Admission Process- 2015 in CFTIs" on 28th June, 2015 at Institution Building, P.N. Complex,

- Gurkhabasti where Dr. SwapanBhaumik, FIE, Chairman, The Institution of Engineers (India), Tripura State Centre has made Power Point Presentation.
- 10. Thirtieth National Convention of Production Engineers' and National Seminar on "Sustainable Manufacturing." On July 18-19, 2015 at Visvesvaraya Auditorium, NIT Agartala where Prof. GoutamBiswas, Director, Indian Institute of Technology Guwahati, and Prof. G.L. Datta, Former Professor & Dean of IIT Kharagpur& Ex. Chancellor of K L University, Andhra Pradesh has graced the programme as Chief Guest and Guest of Honour respectively.
- 11. Seminar on "Green Technology for Road Construction" on 5th September, 2015 at Institution Building, P.N. Complex, Gurkhabasti where Er. Subhas Roy, Former Vice President, HCC and Former Executive Director, NHPC Ltd., Dr. P.K. Jain, Chief Scientist and Advisor, Pavement Engineering Area & Coordinator, Academy of Scientific and Innovative Research, CSIR-Central Road Research Institute, New Delhi, Er. R.K. Majumdar, FIE (IAS-Retd), Former Director, Urban Development Department, Govt. of Tripura & Chairman (Elect), IEI, Tripura State Centre, and Dr.ParthaPratimSarkar, Assistant Professor, Civil Engineering Department, NIT Agartala has graced the programme as Guest of Honour, Keynote Speaker and Expert Speakers respectively.
- 12. Observance of "48th Engineers' Day -2015 during August 29 September 15, 2015" at different places through different programmes in a befitting manner, such as Debate, Quiz & Extempore Speech Competition, Workshop, Discussion Programmes, Plantation, Mass Rally, Blood Donation Camp & Seminar on "Engineering Challenges for Knowledge Era" where ShriTathagata Roy, FIE, Hon'ble Governor of Tripura, ShriBadalChoudhury, Hon'ble Minister for PWD (R & B/WR), Health etc. Department, Tripura, Prof. GopalMugeraya, FIE, Director, National Institute of Technology Agartala and Prof. LakshmanNandagiri, Professor, Department of Applied Mechanics and Hydraulics, National Institute of Technology Karnataka, Surathkal was present in the Seminar as Inaugurator, Chief Guest, Guest of Honour and Keynote Speaker respectively.
- 13. Observance of "World Habitat Day 2015" on 5th October, 2015 at Institution Building, P.N. Complex, Gurkhabasti on the theme of "Public Spaces for All" whereEr. R.K. Majumdar, FIE (IAS-Retd), Former Director, Urban Development Department, Govt. of Tripura & Chairman (Elect), IEI, Tripura State Centre andEr. N.K. Dutta, FIE, Former Engineer-in-Chief & Secretary, PWD, Govt. of Tripura & Past Chairman, IEI, Agartala Local Centre and Er. SubhashChowdhury, FIE, Former Director & CEO, Tripura Renewable Energy Development Agency & Past Chairman, IEI, Agartala Local Centre has graced the programmeas Expert Speaker and Guest Speakers respectively.
- 14. Inauguration of Silver Jubilee Floor of Tripura State Centre, IEI on 14th October, 2015 at Institution Building, P.N. Complex, Gurkhabasti where Dr. L.V. Muralikrishna Reddy, FIE, President, IEI Inaugurated the Silver Jubilee Floor in presence of other dignitaries.
- 15. Seminar on "Challenges and Role of Women Engineers in the Development of Tripura" on 18th October, 2015 at Institution Building, P.N. Complex, Gurkhabasti where Smt. Purnima

Roy, Chairman, Women's Commission, Tripura, Dr. ElaLodh, Former Director, Department of Health, Govt. of Tripura, and Er. SimaSaha, MIE, Executive Engineer, PWD has graced the programme as Chief Guest, Guest of Honour and Expert Speaker respectively.

14.7 Gallery





Welcome address One Day Workshop on Good Addressing during One Day Workshop on Good Governance in Education System Governance in Education System





Inaugural Session Inaugural Session 30th NCPE & National Seminar TEQIP -II Sponsored Two Days Workshop on Sustainable Manufacturing

15.0 MATHEMATICS DEPARTMENT

15.1 Introduction:

The journey of Mathematics Department of NIT Agartala has started from the inception of this Institute. Department of Mathematics griped the power and diversity of Mathematics by combining pure and applied part of it in one place. It is focused on providing a comprehensive curriculum for undergraduate, postgraduate and Ph. D students. The Department is now actively pursuing research embracing both areas of pure and applied mathematics. The department has produced eleven Ph. D students till now and eighteen more students are pursuing their Ph. D under it. The faculty members of this Department teach Mathematics to under graduate and postgraduate students of different Engineering Branches along with the two years M.Sc. degree course (Mathematics) and 5-years Integrated M.Sc. programme in Mathematics (BS-MS programme). Project of M. Sc students and BS-MS students inculcated under the supervision of faculty members.

The Department has qualified faculty members consisting of three Associate Professors, two Assistant Professors, nine contractual Assistant Professors and four Teaching Assistants. In their pursuit of research the faculty members have covered a vast area such as Operation research, Transportation Problems, Inventory Control, Fuzzy topology, Fuzzy Clustering, Fuzzy Logic, Neuro-fuzzy logic system, Grey-fuzzy logic, Fuzzy dynamic programming, Fuzzy decision making, Rough Set, Numerical Analysis, Computational Fluid Dynamics, Mathematical and computational biology, Bio-informatics, Fluid Mechanics.

The entire family of teaching faculty is energetically engaged in research in their individual fields, and numerous research papers are being published in various journals of repute.





15.2 Academic Programme:

Sl. No.	Academic Programme Conducting	Intake Capacity	Started From
1	5 years BS-MS in Mathematics	20	2013
2	M.Sc. in Mathematics.	10	2010
3	Ph. D	-	2008
4	B. Tech Mathematics (All Branches)	1550	From inception
5	M. Tech Mathematics (All Branches)	80	2009

6	MCA Mathematics	40	2009
7	MBA Mathematics	30	2012

Also Mathematics Department is imparting compulsory UG curriculum in Engineering Mathematics in 1^{st} , 2^{nd} and 3^{rd} semester of all the Departments of NITA. Apart from these courses, the department is taking the courses like Numerical Methods and Analysis (4^{th} Semester EE, 5th Semester ECE), Operation Research & Mathematical foundation (MCA- 2^{nd} and 4^{th}), courses on Higher Engineering Mathematics in M. Tech curriculum (CE, ME and ECE), Business Statistics and Mathematics in M.B.A.

15.3 Faculty and their Activities:

Short-Term Courses/ Workshops/ Seminar/ Symposia/ Conferences organized by the faculty members:

Sl. No.	Co-ordinators	Title	Period
Short Ter	m Courses		
1	Dr. Paritosh Bhattacharya	National Workshop on "Techniques	7 th -8 th
	and Dr. U.K. Bera	in Bioinformatics"	August, 2015
2	Dr. U.K. Bera and Dr.	National Workshop on	29 th -
	Paritosh Bhattacharya	"Recent Advancement in Soft	31 st January,
		Computing Techniques"	2016
3	Dr. Apu Kumar Saha	"Computational Study on Fluid	5 th - 7 th
		Transport Phenomena"	February, 2016

Short-Term Courses/ Workshops/ Seminars/ Symposia/ Conferences/ Training attended by the Faculty in Academic Institutions and Public Sector Undertakings:

Sl. No.	Name of Faculty	Title	Period
Seminar:			
1.	Dr. Apu kumar Saha	"Advances in Mathematical	22 nd December,
	_	Sciences"	2015
2.	Dr. Baby Bhattacharya	"Advances in Mathematical	22 nd December,
		Sciences"	2015
3.	Dr. Susmita Roy	"Advances in Mathematical	22 nd December,
	-	Sciences"	2015
Conferer	nce:		
1.	Dr. Baby Bhattacharya	International Conference	2 nd -4 th December,
		on "Emerging Trends in Science	2015
		And Engineering Research"	
2.	Dr. Baby Bhattacharya	The Fifth International	27 th -30 th May,
		Conference on	2015
		"Neural, Parallel, and Scientific	
		Computations"	
Training	<u> </u> :		

1.	Dr. Susmita Roy	"Advanced Engineering	21 st - 25 th March,
		Optimization Through Intelligent	2016
		Techniques"	

Visits Abroad by Faculty:

S1.	Name of Faculty	Country	Date	Purpose of Visit
No.		Visited		
1	Dr. Baby Bhattacharya	USA	24 th May-	To attend International
			5 th June, 2015	Conference

15.4 Research and Consultancy:

Sponsored Research Projects:

S1.	Title	Period	Funding	Amount	Co-ordinators
No.			Agency	(in lakhs)	
1.	Transportation Problems	Three Years	DST	15.61	Dr. Uttam
	For Breakable/Deteriorating	(March 2015			Kumar Bera
	Items Under Constraints In	to February			
	Uncertain Environment.	2018)			
2.	Fund For Improvement Of S	5 Years	DST	49.00	HoD
	&T Infrastructure	(Grant on			Mathematics
		$(19^{th}$			
		November,			
		2015)			

Research Publications:

In Refereed International Journals:

- (1) A. Baidya, U.K. Bera, and M. Maiti, 'Breakable Fuzzy Multi-Stage Transportation Problem', Journal of the Operations Research Society of China, 1(3), 53-67, (2015).
- (2) A. Baidya, U.K. Bera, and M. Maiti, 'Interval Oriented Entropy Based Multi-item Solid Transportation Problem with Budget and Breakability', International Journal of Applied and Computational Mathematics, 1(2), 279-292, (2015).
- (3) P. De, H. Mondal, And U. K. Bera, 'Effects of mixed convective flow of a nanofluid with internal heat generation, thermal radiation and chemical reaction', Journal of Nanofluids, 4(3), 375-384, (2015).

- (4) P. De, H. Mondal, and U. K. Bera, 'Heat and mass transfer in a hydromagnetic nanofluid past a non-linear stretching surface with thermal radiation', Journal of Nanofluids, 4(2), 230-238, (2015).
- (5) S.P.Mondal, Susmita Roy, B.Das,' Numerical Solution of First Order Linear Differential Equations in Fuzzy Environment by Runge-Kutta-Fehlberg Method and its Application', International Journal of Differential Equation, Vol. 2016, 1-14, (2015).
- (6) S.P.Mondal and T.K.Roy, 'Second order linear differential equation in fuzzy environment and its Application', Annals of Fuzzy Mathematics, Vol. 3, 1-28, (2015).
- (7) S. Debnath, J. Debnath, D. Bhattacharya, 'On Some Sequence Spaces of IFNs', Bulletin of Kerala Mathematics Association, 12(2), 125-133, (2015).
- (8) A. Mitra, P. Bhattacharya And K. K. Dhar, 'Experimental Study on Shape and Rise Velocity Of Small Bubbles in Stagnant Water', Journal Of Mechanics Of Continua And Mathematical Sciences, 9(2), 1396-1402, (2015).
- (9) S. Chakrabartty, A. Mondal, P. Chakrabarti, S.K. Singh, A. K. Saha and P. Singh, 'Synthesis of biocompatible TiO2 nanodots: Glancing angle deposition technique' Journal of nano science and nano technology, 15, 1-6, (2015).
- (10) A. K. Saha and M. Majumder, 'Median based conversion of SGPA into percentage by cognitive methods', Applied Mathematics and Computation, 266, 1153–1162, (2015).
- (11) A. Baidya, U.K. Bera, and M. Maiti, 'Multi-Stage Multi-Objective Solid Transportation Problem for Disaster Response Operation with Type-2 Triangular Fuzzy Variables', Hacettepe Journal Of Mathematics And Statistics, 45(5), 1485-1518, (2016).
- (12) A. Baidya, U.K. Bera, and M. Maiti, 'The grey linear programming approach and its application to multi-objective multi-stage solid transportation problem', OPSEARCH, 53(3), 500-522, (2016).
- (13) A. Baidya, U.K. Bera, and M. Maiti, 'Uncertain Multi-Objective Restricted Solid Transportation Problem with Budget and Vehicle Cost', U.P.B. Sci. Bull., Series C, 78(1), 161-174, (2016).
- (14) P. De, H. Mondal, And U. K. Bera, 'Dual solutions of heat and mass transfer of nanofluid over a stretching/shrinking sheet with thermal radiation', Meccanica, 51(1), 117-124, (2016).
- (15) Dipana Jyoti Mohanty, Ravi Shankar Kumar and A. Goswami, 'A two-warehouse inventory model for non-instantaneous deteriorating items over stochastic planning horizon', Journal of Industrial and Production Engineering, 33(8), 516-532 (2016).
- (16) Ravi Shankar Kumar, Alok Choudhury, A. Goswami and M.K. Tiwari, 'Designing multiperiod supply chain network considering risks and emission: A multi-objective approach', Annals of Operations Research, (16 March, 2016).
- (17) Dipana Jyoti Mohanty, Ravi Shankar Kumar And A. Goswami, 'An improved inventory model with random review period and temporary price discount for deteriorating items', International Journal of System Assurance Engineering and Management, 7(1), 62-72, (2016).
- (18) Ravi Shankar Kumar, Karthik Kondapaneni, Goswami, and M.K. Tiwari, 'Multi-objective modeling of production and pollution routing problem with time window: A self-learning particle swarm optimization approach', Computers & Industrial Engineering, 99, 29-40, (2016).
- (19) B.Das, Susmita Roy, R.N. Rai, S.C. Saha, 'Study on the machinability behaviour of in situ Al-4.5%Cu-TiC metal matrix composite-it's surface finish and cutting force

- prediction using ANN', Cirp: Journal Of Manufacturing Science And Technology (Elsevier), 12, 67–78,(2016).
- (20) B. Das, Susmita Roy, R.N. Rai, S.C. Saha, 'Development of an in-situ synthesized multi-component reinforced Al-4.5%Cu-TiC metal matrix composite by FAS technique Optimization of process parameters', Journal Of Engineering Science And Technology: An International Journal (Elsevier), 19 (1), 279-291, (2016).
- (21) P. Majumder, U. K. Bera, And M. Maiti, 'An EPQ model for two warehouse in unremitting release pattern with two level trade credit period concerning both supplier and retailer', Applied Mathematics And Computation, 274, 430-458, (2016).
- (22) S.Paul, S.P.Mondal and P. Bhhatacharya, 'Numerical solution of Lotka Volterra Prey Predator model by using Runge-Kutta-Felhberg method and Laplace Adomian decomposition method', Alexjendria Engineering Journal, Vol. 55, 613-617, (2016).
- (23) S.P.Mondal, D.K.Viswakarma and A.K.Saha, 'Solution of Fuzzy Difference Equation Based by Lagrange Multiplier Method, Journal of Soft Computing and Applications', Journal of Soft Computing And Applications, Vol. No. 1, 11-27, (2016).
- (24) S.Paul, S.P.Mondal and P.Bhhatacharya,' Discussion on Fuzzy Quota Harvesting Model in Fuzzy Environment: Fuzzy Differential Equation Approach', Modeling Earth Systems And Environment, Vol. 2 No. (70),1-15,(2016).
- (25) Sankar Prasad Mondal,' Differential equation with interval valued fuzzy number and its Applications', International Journal Of Systems Assurance Engineering, Vol. 7, No. 3, 370-386,(2016).
- (26) S. Debnath, B.C Das, D.Bhattacharya, J. Debnath, 'Regular Matrix Transformation on Triple Sequence Spaces', Boletim Da Sociedade Paranaense De Matematica, 35(1), 85-96,(2016).
- (27) S. Debnath, J. Debnath, D. Bhattacharya, 'On Rough I-Convergent Sequence Spaces of Fuzzy Numbers defined by Sequences of Orlicz Function and Matrix Transformation', New Trends In Mathematical Sciences, 4(1), 184-192, (2016).
- (28) A. Paul, B.Bhattacharya, 'New Types of Functions and Separation Axiom by $^{\gamma}$ -Open sets in fuzzy Bitopological spaces' Malaysian Journal Of Mathematical Sciences, 9,397–407, (2016)
- (29) Amrit Das, Uttam Kumar Bera and Barun Das, 'A Solid Transportation Problem With Mixed Constraint In Different Environment', Journal Of Applied Analysis And Computation, 6(1), 179-195, (2016).
- (30) Amrit Das, Uttam Kumar Bera and Manoranjan Maiti, 'Defuzzification of trapezoidal type-2 fuzzy variables and its application to solid transportation problem', Journal of Intelligent and Fuzzy Systems; 30,2431-2445,(2016)
- (31) Amrit Das, Uttam Kumar Bera and Manoranjan Maiti, 'A profit maximizing solid transportation model under rough interval approach', IEEE Transaction on Fuzzy System, (2016)
- (32) S.Chakrabartty, A.Mondal and A.K. Saha, 'Effect of Annealing on Optical, Electrical and Charge Trapping Properties of TiO2 NPs Arrays', Journal of nanoscience and nanotechnology, 16, 1-7, (2016).

In Proceedings of National Conference:

Name of the Conference	Place of the Conference	Name of the	Date/
		participants	Duration
National Seminar on	Gauhati University, Guwahati-	Dr. Susmita	22 nd
Advances in	781014, Assam in collaboration	Roy	December,
Mathematical Sciences.	with the Assam Academy of		2015
	Mathematics		

In Proceedings of International Conference:

Name of the Conference	Place of the	Name of the	Date/
	Conference	participants	Duration
International conference on "recent trends	Jaipur national	Dipanjana	17 th -19 th
in engineering and material sciences	university,	Sengupta	March,
(ICEMS-2016)"	Jaipur		2016
International Conference on "Emerging	NIT Manipur	Dr. Baby	2^{nd} - 4^{th}
Trends In Science And Engineering	_	Bhattacharya	December,
Research (Etser-2015)"		-	2015
The Fifth International Conference on	Atlanta, USA	Dr. Baby	$27^{\text{th}} - 30^{\text{th}}$,
"Neural, Parallel, And Scientific		Bhattacharya	May 2015
Computations"		_	

Distinguished Visitors to the Departments:

S1.	Name of the Visitors and Designation	Date of	Purpose of Visit
No.		Visit	
1	Dr. Debabrata Datta Scientist H ⁺ , BARC,	7 th -8 th	National Workshop on
	Head Radiological Physics & Advisory	August,	"Techniques in
	Divison of Health, Safety & Environment	2015	Bioinformatics", Invited
	Group		Talk
2	Prof.(Dr) S.P. Maity	7 th -8 th	National Workshop on
	IIEST, Shibpur	August,	"Techniques in
		2015	Bioinformatics", Invited
			Talk
3	Prof. Suman Chakraborty	$5^{\text{th}} - 7^{\text{th}}$	Workshop on
	Associate Dean, SRIC	February,	"Computational Study on
	Professor Mechanical Engineering	2016	Fluid Transport
	Head, Medical Science & Technology, IIT		Phenomena", Invited
	Kharagpur.		Talk
4	Prof. Somnath Bhattacharya	5 th - 7 th	Workshop on
	Professor, Mathematics	February,	"Computational Study on
	IIT Kharagpur.	2016	Fluid Transport
			Phenomena", Invited
			Talk
5	Prof. Pradeep G. Siddheshwar	$\int 5^{th} - 7^{th}$	Workshop on

	Professor of Mathematics and Director,	February,	"Computational Study on
	Planning, Monitoring & Evaluation Board	2016	Fluid Transport
	Bangalore University.		Phenomena", Invited
			Talk
6	Prof. Durga Charan Dalal	$5^{\text{th}} - 7^{\text{th}}$	Workshop on
	Professor, IIT Guwahati.	February,	"Computational Study on
		2016	Fluid Transport
			Phenomena", Invited
			Talk

15.5 Other Activities:

(i) Number of Students (year-wise) who qualified in SLET: One (2015)

16.0 PHYSICS DEPARTMENT

16.1 Introduction:

The Physics Department is as old as NIT Agartala (NITA in 2006, formerly Tripura Engineering College) itself - a venerable forty six years of age, established in 1965. Since then, the mandate of the Department is to conduct teaching courses for students of engineering disciplines and conduct interdisciplinary studies, especially with engineering departments. The faculty members are engaged in rendering the post graduate and engineering undergraduates with the fundamental knowledge of physics and problem solving skills, requisite for a bright career, and striving tirelessly to improve the education further.

16.2 Academic Programme:

- The department currently offers the course of Engineering Physics to 1st and 2nd semesters of engineering undergraduates (B.Tech) and Material Science to the 4th semester engineering undergraduates of Electrical branch.
- The department also offers 10 semester BT-MT programme and BS-MS programme dual degree programmes in Engineering Physics. The dual degree programme affords undergraduate students which enhances the opportunity to broaden their studies and improve their career prospects.
- The department runs 4 semester master's degree programme (M.Sc) in Physics. The unique course structure of M.Sc. (Physics) blends well the areas of contemporary and applied physics to create post-graduates who are equally comfortable with science and technology.
- The department has also runs the PhD (Physics) programme in different topics, within the major thrust areas of *Applied Optics & Photonics*, *Plasma Physics*, *Theoretical Condensed Matter Physics*, *Liquid Crystals Atmospheric Science*, General Relativity, *Cosmology & Thin film*, and *Nanotechnology*.

A. Students on Roll:

Programme	1 st	3 rd	5t ^h	7 th	Total
	semester	semester	semester	semester	
B. Tech.	621				621
B.Tech-M.Tech (Dual Degree)	10	11	13	24	58
B.S-M.S	7	11	7	11	36
M. Sc.	7	7			14
Ph. D.	5	3		3	8
Total	650	32	20	38	737

16.3 Lab Facilities:

The name of the Laboratories of the department are UG laboratories (2), BT-MT 2nd - 7th semester laboratories (5), BS-MS 2nd - 7th semester laboratories (5) and PG Laboratories (3)

16.4 Faculty and their activities:

Short-Term courses/Workshops/Seminars/ Symposia/ Conferences/ training attended by the faculty in Academic Institutions and Public Sector Undertakings:

Sl.	Name of the faculty	Title	Period
No.			
Work	shop:		
1	Dr. R. K. Yadav	Management capacity enhancement	07 th -12 th September,
		programme under TEQIP	2015
2	Dr. R. K. Yadav	Optics and photonics	08 th -09 th October, 2015
Confe	erence:		
1	Dr. Biswajit Saha	Department of Atomic Energy-	21 st -25 th
		Solid State Physics Symposium	December,2015
Short	term course:		
1	Dr. Biswajit Saha	Two Week ISTE STTP	02 nd -12 th June,2015
		on	
		"Environmental Studies"	

16.5 Research and Consultancy:

Research Collaboration:

- A. Collaboration with Prof. K.E. Zoiros, Department of Electrical and Computer Engineering, Light wave Communications Research Group, Xanthi-Greece
- B. Collaboration with Department of Physics & Meteorology, IIT Kharagpur, India.
- C. UGC-DAE CSR Indore, Khandwa Road, Indore, India
- D. Oakland University, Michigan, USA.
- E. IIT Indore, Indore, India

Sponsored Research Projects:

Sl.	Title	Period	Funding	Amount	Co-
No.			Agency	(in lakhs)	ordinators
1.	Investigation on synthesis				
	processes and physical	2014-	DST, Govt.	19.20	Dr. Biswajit
	characterization of Cu based	2017	of India		Saha
	oxide thin film as p-type				
	semiconductor material and to				
	functionalize it for Photo				
	voltaic applications				

2.	Vertically Aligned CuInS2 or CuInS2-ZnS Decorated ZnO Nanowires for Flexible Hybrid Photovoltaic Devices	3 years	CSIR	25.00	Dr. Suvra Prakash Mondal (PI) and Dr. Jitendra Nath Roy (Co-PI)
3.	Investigation of Multiple Double Layer Dynamics and Physical Characterization of Double Layer Plasma in a Magnetic Mirror Device for Application in Plasma Based Propulsion Systems	3 years	DST	27.50 (20 lakhs approved for equipment)	Dr. Jitendra Nath Roy (PI) and Dr. Manash Kumar Paul (Co-PI)

Research Publications:

Total No. of papers published in Refereed International Journals : 16
Total No. of papers published in National Conference : 03
Total No. of papers published in International Conference : 04

In Referred International Journals:

- (1) S. Patari, T.K.Devi, A. Nath, Journal of Molecular Liquids, 215, 244-252, (2015).
- (2) S. Patari, S. Chakraborty, A. Nath; Liquid Crystal, 43(3), 1017-1027, (2016).
- (3) A. Debnath, K. Deb, N. S. Das, K. K. Chattopadhyay and B. Saha, Journal of Dispersion Science and Technology, 37(6), 775-785, (2015).
- (4) K. L. Bhowmik, K. Deb, A. Bera, R. K. Nath, B. Saha, Journal of Physical Chemistry, 120, 5855–5860, (2016).
- (5) E. M. Kumar, B. Prajapat, B. Saha, R. Thapa; International Journal of Hydrogen Energy, 41(06), 3928-3939, (2016).
- (6) A. Debnath; A. Thakur; K. L. Bhowmik; A. Bera; B. Saha, Advanced Science Letters, 22(01), 242-245, (2016).
- (7) A. Debnath, K. Deb, K. K. Chattopadhyay and B. Saha, Desalination and Water Treatment, 57(29), 13549-13560, (2015).
- (8) A, Debnath, M, Majumder, M, Pal, N, S, Das, K, K, Chattopadhyay & B. Saha, Journal of Dispersion Science and Technology, 37(12), 1806-1818, (2016).
- (9) Jehova Jire L Hmar, Tanmoy Majumder, Sourav Dhar, Suvra Prakash Mondal, Thin Solid Films, 612, 274–283, (2016).
- (10) Tanmoy Majumder, Suvra Prakash Mondal, Journal of Electroanalytical Chemistry, 769, 48-52, (2016).
- (11) T Majumder, K Debnath, S Dhar, JJL Hmar, SP Mondal, Energy Technology, 4, 950 958, (2016).
- (12) JJL Hmar, T Majumder, SP Mondal, Thin Solid Films, 598, 243-251, (2016).
- (13) JJL Hmar, T Majumder, JN Roy, SP Mondal, Materials Science in Semiconductor Processing, 40,145-151, (2015).
- (14) JJL Hmar, T Majumder, JN Roy, SP Mondal, Journal of Alloys and Compounds, 651, 82-90, (2015).

- (15) Kiranmala Thingujam, Ayon Bhattacharjee, Basana Choudhury, Roman Dabrowski, Optical Review, 23(3), 409-419, (2016).
- (16) Sohini Goswami, Sushmita Saha, R. K. Yadav, Physica E: Low-dimensional Systems and Nanostructures, 74, 175-92, (2015).

In Proceedings of National Conference:

Name of the Conference	Place of the	Name of the	Date/
	conference	Participants	Duration
MRSI North East Symposium on	Jorhat Guwhati	Sangita patari,	18 th -21 st
Advanced Materials for Sustainable		Aparna Nath	February, 2016
Applications. Jorhat Guwhati.2015		_	
International Conference on Materials	New Delhi	Sangita patari,	1 st -5 th March,
Science & Technology 2016		Aparna Nath	2016
National conference on Engineering	NIT Agartala	Sangita patari,	11 th -12 th
problems and Application of	_	Aparna Nath	June, 2016
Mathematics.EPAM-2016.NITA		_	

In Proceedings of International Conference:

Name of the Conference	Place of the conference	Name of the Participants	Date/ Duration
		1 at ticipants	di di
Nano 2015	Tamil Nadu, India	A. Bera	7 th -10 th December,
			2015
Nano 2015	Tamil Nadu, India	K. Deb	7 th -10 th December,
			2015
Department of Atomic	Noida, India	B. Saha	21 st -25 th December,
Energy-Solid State Physics			2106
Symposium			
Department of Atomic	Noida, India	A Bera	21 st -25 th December,
Energy-Solid State Physics			2106
Symposium			

16.6 Other Activities:

- (i) His Excellency Governor of Tripura has appointed Dr. Biswajit Saha as Scientific/Technical Expert in introducing and examining the security features of Hologram to be procured by government of Tripura.
- (ii) Dr. Biswajit Saha has been appointed as observer of the Common Medical Service Examination 2015, by the Union Public Service Commission (UPSC) Government of India.

17.0 PRODUCTION ENGINEERING DEPARTMENT

17.1 Introduction:

Production Engineering Department was established in the year of 2005 while it was Tripura Engineering College (Presently National Institute of Technology) and is approved by AICTE. Presently the department offers Bachelor of Technology in Production Engineering and M.Tech in Computer Integrated Manufacturing as well as Doctoral Programme where students are encouraged to acquire knowledge facilities with an integrated thinking about education research & development, production and training. The students are provided knowledge to understand the fundamentals of basic sciences and humanities, inter disciplinary knowledge, innovation, creative and problem solving abilities, intellectual honest and professional ethics, capacity for team work in inter disciplinary, national and international environment. It also helps the students to understand society, culture and global processes. The department helps to induce entrepreneurship interest in students. Also to align and educate our students from Production Engineering Department to improve their fundamental Knowledge to bring innovative technology and to build products either by themselves or by working with various industries to boost economic condition of our county and also North-East part of India.

The Department has seven numbers of permanent faculty and five numbers of contractual faculty members. All faculties are deeply involved in academic, research and administrative responsibilities of the Institute.

17.2 Academic Programme:

Presently department is offering B.Tech, M.Tech & Ph.D, with the following number of enrolment in different semesters:

Programme		No. of Students				
	1 st semester	3 rd semester	5 th semester	7 th semester	Total	
B. Tech. (Intake capacity 90)	65	45	60	55	225	
M. Tech (Intake capacity 15)	06	06			12	
Ph. D.	06	01	0	05	12	
Total	77	52	60	60	249	

17.3 Lab Facilities:

Production Engineering Department is well equipped with the following laboratories. The laboratories are exclusively used for the regular practical classes of students, research work, and consultancy.

- 1. Metallographic Laboratory
- 2. Non Traditional Machining Laboratory
- 3. CNC and Robotics Laboratory
- 4. Ergonomics and condition monitoring Laboratory
- 5. CAD/ CAM Laboratory
- 6. Metal Forming and Metal Casting Laboratory
- 7. Mechanics of Machine laboratory

- 8. Mechatronics Laboratory
- 9. Quality Engineering Laboratory

PICTURES OF EXISTING LABS





PICTURES OF NON TRADITIONAL MACHINING LABORATORY





PICTURES OF CNC, AUTOMATION AND ROBOTICS LABORATORY







PICTURE OF CAD/CAM LABORATORY

17.4 Faculty and their Activities:

Short-Term Courses/ Workshops/ Seminars/ Symposia/ Conferences organized by the faculty members:

Sl.	Coordinators	Title	Period
No.			
Work	kshop		
1.	Dr. S.C. Saha,	"Product Design & Development"	11 th -12 th March,
	Dr. Swarup Paul		2016
Natio	onal Convention		
1.	Dr. Swapan Bhoumik,	"Production Engineering Convention on	18 th -19 th July,
	Dr. G.R.K. Sastry	Sustainable Manufacturing"	2015

Short-Term Courses/ Workshops/ Seminars/ Symposia/ Conferences/ Training attended by the Faculty in Academic Institutions and Public Sector Undertakings

Sl.	Name of the Faculty	Title	Period
No	·		
Wor	Workshop:		
1.	Dr. Kishan Choudhuri, Mr. Sujoy	"Product Design &	11 th -12 th March,
	Chakraborty, Mr. Bishop Debbarma,	Development"	2016
	Dr. U.K. Mandal, Miss. Pushparenu		
	Bhattacharjee, Mr. Nabarun Biswas,		
	Mr. Debashis Podder		
2.	Mr. Debashis Podder	"3D Printing and Laser	11 th -12 th March,
		Application in Manufacturing	2016
		Processes"	
Con	ference:		
1.	Dr. Swarup Paul, Dr. U.K. Mandal	"2016 International Conference	17 th -19 th
		on Recent trends in	March, 2016
		Engineering & Materials	
		Sciences"	
2.	Dr. Kishan Choudhuri	"IRF International Conference,	2 nd August,
		Jaipur''	2015

Fellowships of Academics and Professional Societies:

1 0110	vsnips oj Academics and Froj	essional pocieties.	
Sl.	Name of Faculty	Level	Year
No.			
ISTE/	CSI and others		
1.	Mr. Prasenjit Dutta	Member (IEI)	2015
2.	Dr. Kishan Choudhuri	i. Associate Member (IEI)	2000
		ii. Member (ISTE)	2004
		iii. Member (FOSET)	2009
3.	Dr. Swarup Paul	i. Associate Member (IEI)	2001
		ii. Member (ORSI)	2008
		iii. Member (ISTE)	2009
		iv. Member (TSI)	2011

		v. Member (SAE)	2009
		vi. Member (FOSET)	2010
4.	Dr. U.K Mandal	Member (IEI)	2014
5.	Mr. Bishop Debbarma	Associate Member (IEI)	2014
6.	Mr. Sujoy Chakraborty	Associate Member (IEI)	2010
7.	Mr. Nabarun Biswas	Associate Member (IEI)	2010
8.	Miss Pushparenu	Associate Member (IEI)	2014
	Bhattacharjee		
9.	Mr. Debashis Podder	Associate Member (IEI)	2015

^{*}IEI- The Institution of Engineers (India), *ISTE- The Indian Society for Technical Education, *FOSET- Forum of Science Engineering and Technology, *ORSI- Operational Research Society of India, *TSI- Tribology Society of India, *SAE- Society of Automotive Engineering.

17.5 Research and Consultancy:

Installed capacity and process assessment after expansion/ modernization project at Green Ply Industries Ltd, District Mon, Nagaland.

Sponsored Research Projects:

Sports	sorea Kesearch Frojecis.				
S1.	Title	Period	Funding	Amount	Co-ordinators
No.			Agency	(in lakhs)	
1.	"Estimation of River Runoff in Haora River Basin with the Help of MCDM Environment"	2015- 2017	IEI	3.00	Dr. U.K Mandal & Mr. Nabarun Biswas
2.	"Condition monitoring of agri - diesel engines run by vegetable oils through tribo- analysis of used lubricants"	2012- 2017	AICTE	15.70	Dr. Swarup Paul
3.	"Studies on the drag between the slipper and the swash plate in an axial piston pump"	2012- 2017	AICTE	9.00	Dr. Kishan Choudhuri

Research Publications:

Total No. of papers published in Refereed International Journals : 10 (Ten)
Total No. of papers presented in International Conferences : 09 (Nine)

In Refereed International Journals:

In Rejercea Internation	iai journais.		
Name of the authors	Title of the Journals	Date of	Issue/Volume
published in		Publication of	No./Page No.
International Journals		the Paper	
Dr. R.N. Rai	International Journal on Recent	1 st August,	ISSN 2349-
	Technologies in Mechanical and	2015	7947
	Electrical Engineering (IJRMEE)		

Dr. Vidyut Dey	South Asian Journal of	21 st November,	ISSN 2454-
	Engineering & Technology	2015	9614
	(SAJET)		
Dr. R.N. Rai	CIRP Journal of Manufacturing	1 st January,	ISSN 1755-
	Science and Technology	2016	5817
Dr. Vidyut Dey	International Journal on Recent	1 st August,	ISSN 2349-
	Technologies in Mechanical and	2015	7947
	Electrical Engineering (IJRMEE)		
Dr. Swarup Paul	Renewable and Sustainable	15 th April,	Vol. 48, issue
	Energy Reviews	2015	C, pages 256-
			263
Dr. U.K. Mandal,	International Journal of	1 st February,	ISSN 2319-
Miss. Pushparenu	Engineering Research and Science	2016	5991
Bhattacharjee	and Technology		
Mr. Bishop Debbarma	International Journal of Hydrogen	21 st December,	ISSN 0360-
	Energy	2015	3199
Mr. Bishop Debbarma	Renewable Energy	3 rd September,	ISSN 0960-
		2015	1481
Mr. Debashis Podder	Transactions of the Indian	1 st October,	ISSN 0972-
	Institute of Metals	2015	2815
Mr. Bishop Debbarma	International Journal of	1 st October,	ISSN 2320-
_	mechanical & production	2015	2092
	Engineering		

In Proceedings of International Conference:

Name of the Conference	Place of the	Name of the	Date/
	Conference	participants	Duration
5th International Conference of Materials	Hyderabad,	Dr. R.N. Rai,	March, 2016
Processing and Characterization (ICMPC	India	Dr. Vidyut	
2016)		Dey	
IOP Conf. Series: Materials Science and	Kuala Lumpur,	Dr. R.N. Rai	$12^{\text{th}} - 14^{\text{th}}$
Engineering	Malaysia		November
			2015
7th ISEES International Workshop on	Lucknow,	Mr. Bishop	21 st - 23 rd
Sustainable Energy, Environment &	India	Debbarma	December,
Safety with Railway Centric Theme			2015
International Conference on Recent Trends	Rajasthan	Dr. Swarup	17 th -19 th
in Engineering & Material Sciences	_	Paul, Dr. U.K.	March, 2016
		Mandal	
International Conference On Mechanical	Bangladesh	Mr. Nabarun	January,
Engineering: Proceedings of the 11th		Biswas	2016
International Conference on Mechanical			
Engineering (ICME 2015)			
IRF International Conference	Jaipur, India	Dr. Kishan	2 nd August,
		Choudhuri	2015

Procedia Engineering	Bangladesh	Mr. Nabarun	December,
		Biswas	2015
International Conference On Emerging		Mr. Prasenjit	
Trends in Science Technology	Hyderabad,	Dutta, Mr.	October,
Engineering and Management	India	Sujoy	2015
		Chakraborty,	
		Mr. Nabarun	
		Biswas	
International Journal of Engineering		Mr. Nabarun	
Technology, Management and Applied	JNU Delhi	Biswas	March 2015
Sciences			

Distinguished Visitors to the Departments:

Sl.No.	Name of the Visitors	Date of Visit	Purpose of Visit
1.	Prof. G.L. Datta	18 th -19 th July, 2015	Production Engineering Convention
2.	Prof. Goutam Biswas	18 th -19 th July, 2015	Production Engineering Convention
3.	Mr. R. C. Bairathi	18 th -19 th July, 2015	Production Engineering Convention
4.	Prof. P.S. Parmer	18 th -19 th July, 2015	Production Engineering Convention
5.	Dr. N.R. Dhar	18 th -19 th July, 2015	Production Engineering Convention
6.	Prof. U.S. Dixit	18 th -19 th July, 2015	Production Engineering Convention
7.	Er. Bhupal Gopala	18 th -19 th July, 2015	Production Engineering Convention
8.	Prof. V.K. Jain	18 th -19 th July, 2015	Production Engineering Convention
9.	Er. P. Ravindra Reddy	18 th -19 th July, 2015	Production Engineering Convention
10.	Prof. Kalyanmoy Deb	24 th July, 2015	Lecture
11.	Mr. V.P. Mahawar	18 th -19 th July, 2015	Production Engineering Convention
12.	Dr. Ajay M. Sidpara	18 th -19 th July, 2015	Production Engineering Convention
13.	Dr. H. Abdul Zubar	18 th -19 th July, 2015	Production Engineering Convention
14.	Dr. Diptimayee	18 th -19 th July, 2015	Production Engineering Convention
	Samantaray		

17.6 Other Activities:

The Department has one yearly magazine named "Prodozone" where all the B.Tech, M.Tech & PhD students as well as all the faculty members share their articles. The "Student Chapter (IEI)" of Production Engineering Division has also been formed under the Faculty Advisor ship of Mr. Sujoy Chakraborty (Assistant Professor).

Industrial Visit with Students:

- 1. Raffila Industries Ltd, Budhjungnagar
- 2. OTPC, Udaipir, Tripura
- 3. Tripura Ispat, Budhjungnagar

18.0 SCHOOL OF MANAGEMENT

18.1 Introduction:

The School of Management has started its operation by offering PG course (MBA) since July 2012 with 14 students having background from varied disciplines with a motto to develop professionals skilled with analytical and administrative ability. Looking at the economic potential of the North-Eastern states, a management school was a logical extension to National Institute of Technology, Agartala.

Masters of Business Administration (MBA) programme (full time) was started with the purpose of administering quality management education to aspiring managers to mould them as competent professionals and good human beings equipped with social ethics.

The department has 06 (six) nos. of dedicated faculty members along with faculty members from allied departments. Faculty members and experts are invited from other reputed institutions and corporate to bring professionalism among the students by blending academic knowledge with corporate skills.



School of Management Building

18.2 Academic Programme:

Currently, School of Management is offering two year (four semesters) full time MBA programme. This programme provides an in-depth understanding to students in technical, human and conceptual skills necessary for a successful manager with specialization in different areas like Finance, Marketing, Human Resource and System. The teaching strategy for this programme oriented towards the application of knowledge with live cases and teaching aids. In the year 2015-16, the student strength of the department in MBA programme is 38 (Thirty Eight) for odd semester, consisting 23 in 1st semester and 15 in 3rd semester and also the student strength is same for even semester.

There is a six weeks Summer Internship Programme (SIP) for students, after completion of first year course to develop business acumen. The Department facilitates students to undergo paid

internships in various reputed government and private organizations viz. RBI, NEDFi, SBI, NABARD, ONGC, HDFC, ITC, Senrysa Technologies Pvt. Ltd. etc.

18.3 Faculty and their Activities:

Short-Term Courses/ Workshops/ Seminars/ Symposia/ Conferences/ Training attended by the Faculty in Academic Institutions and Public Sector Undertakings:

Workshop

Sl. No.	Name of Faculty	Title	Period						
Worksho	Vorkshop:								
1.	Dr. Sonit Dutta	Workshop on "Environmental Studies", sponsored	2 nd -12 th June,						
		by IIT Bombay.	2015.						

Honours and Awards obtained: 01(one)

S1.	Name of	Name of	Awarded by	Award for	Date
No.	Faculty	Award			
1.	Dr. Rajib	"International	International	Outstanding	20 th
	Mallik	Education	Business Council,	achievements in the	November
		Excellence	(New Delhi)	field of education.	, 2015.
		Award".			

18.4 Design and Development Activities:

The department has initiated various programmes for developing the skills of students. The department has organized "Corporate Lecture Series", where experts from different Industries have shared their valuable industry experience to the MBA students. The department has also organized various kinds of activities at departmental level like Business Quiz, Industry Presentation, Management Game, Mock—interview etc.

18.5 Research and Consultancy:

Research Publications:

Total No. of papers published in Refereed International Journals : 08

In Refereed International Journals:

- (1) M.Kar and P.Shil, 'Performance of Selected Debt Oriented Mutual Funds Schemes in India: A Study in Comparison with the Market Portfolio Returns', ISOR Journal of Business and Management, 17, 47-57, (2015).
- (2) P. K. Behera and K. Mukherjee, 'Application of DEMATEL and MMDE for analyzing key influencing factors relevant to selection of supply chain coordination schemes',

- International Journal of Information Systems & Supply Chain Management, 8, 51-72, (2015).
- (3) A.Chakraborty, 'Regulation and Deregulation of Cooperatives in context of Legal framework', International Journal of Research in Commerce & Management, 5, 51-53, (2015).
- (4) R.Mallik, 'Current Status of Tripura Cooperative Milk Producers Union Limited (Gomati): An Overview', International Journal of Business and Administrative Research Review, 3, 217-223, (2015).
- (5) A.Chakraborty, 'HR practices in Social Media and Associated aspects of Social capital', Scholars Journal of Economes, Business and Management, 2, 505-509, (2015).
- (6) R.Mallik, 'Status of Microfinance and Self Help Groups (SHGs) In Tripura', International Journal of Management and Social Science Research Review, 1, 307-315, (2015).
- (7) S.Dutta, 'Entrepreneurship Research: A Review', International Journal of Exclusive Management Research, 12, 26-41, (2015).
- (8) M.Kar &P. Shil, 'A Comparative Study on Performance Evaluation of Selected Mutual Fund Open Ended Growth Schemes in India', Finance India, XXX, 173-188, (2016).

Distinguished Visitors to the Departments:

S1.	Name of the Visitors and Designation	Date of	Purpose of Visit
No.		Visit	
	Mr. N. P. Topno,	20 th July,	Guest Speaker in
1	General Manager &O-i-C,	2015	Corporate Lecture Series(CLS)
1	Reserve Bank of India,		
	Agartala Branch.		
	Mr. Sujon Krishna Roy,	20 th July,	Guest Speaker in
2	General Manager,	2015	Corporate Lecture Series(CLS)
	Pran Beverages (India) Pvt. Ltd.,		
	Bodhjung Nagar, Agartala		
	Mr. Biplabi Patnaik,	30 th July,	Guest Speaker in
3	Vice President and Circle Head,	2015	Corporate Lecture Series(CLS)
	NE Circle, Axis Bank		
	Mr. Ansuman Samantaray, Deputy	30 th July,	Guest Speaker in
4	Vice President & Circle Prime,	2015	Corporate Lecture Series(CLS)
	Axis bank.		
	Mr. Dibakar Ghosh,	30 th July,	Guest Speaker in
5	Assistant Vice President & Branch	2015	Corporate Lecture Series(CLS)
	Head, Axis Bank, Agartala.		

18.6 Institute – Industry Collaboration:

One day industrial visit was arranged for the management students on 04th February, 2016 at ONGC Tripura Power Company Ltd. (OTPC), Palatana, Udaipur in the Gomati district of Tripura to get insight of the various managerial and operational activities of this thermal power plant.

18.7 Other Activities:

All dedicated faculty members of the department are deeply involved in academic, research and administrative responsibilities of the Institute.

19.0 CENTRAL LIBRARY

19.1 Introduction:

The main motto of NITA library is to render better and modern services to the NITA library clientele. With this object in view, NITA library has already introduced modern techniques namely RFID technology which includes self check-in and check-out and started sections namely, digital library, periodical section for printed journals, foreign book collection section, reprography section. Recently it introduced OPAC (Online Public Access Catalogue) system in the library (LAN). It also intends to open non-book section providing internet (WAN) facility with institutional repositories and inter library loan services to facilitate its users and facility for online access of previous question papers for different UG & PG examinations to be available in near future.

19.2 Library Information Services Statistics:

Item	2014-2015	2015-2016	Remarks
A. Collections:			
Books	84323 (As per accession register: general=59546 & Book Bank=24777)	84350 (As per Accession register)	Current physical book as per accession register 68436. As because 15914 nos of books fall under damaged, written off, missing, Accession dropped, torned etc. categories though officially may did not declare.
Ph. D. Theses	04	37	59 Nos. M.Tech Dissertation added in 2014-15
Pamphlets and Reports	Nil	10	
Current Periodicals by Subscription	10	7	
Current Periodicals by Exchange/ Gift	310	67	
C.D	Nil	612	
Total	84647		
B. Membership:			
Staff	04	17	
Faculty	53	16	
Students	991	864	
Total	1048		
C. Services : Circulation			
Number of	51165	48912	

Readers visited			
Number of Books/	19562	19494	19494 No's of books have been
Journals issued			issued in 2015-16
Xerox charges	Rs.2613	419	
collection			
D. Reservation of			
Books			
Registered	Nil	585	
E. Reprography			
Service			
Number of Xerox	3730	556	
copies supplied			
F. Expenditure on			
Printed Journals	Rs.13109	Rs.21,104	Rs. 21,104 up to 20/09/2016
E-books	Nil	Nil	In 2015-16 subcription to e-
E-journals	USD 100065.27	Nil	resources has been made
-			through ESS only.
G. New Journals	Nil	335	335 number of e-journals
Added			added through ESS.

19.3 Binding Facilities:

There is no binding section in NIT, Agartala library. Torn books are bound through outside binder. A binding section may be opened in near future for binding the books and journals.

19.4 New Facilities/ Equipments added:

2014-15: Data entry of books had been completed for 33,950 (as on 20/09/2016) to enrich the OPAC (Online Public Access Catalogue) system (LAN) in the library for searching the resources available in the library mainly under 3 (three) approaches Authors, Titles and Subjects.

19.5 Future Plan:

- i. Full computerization of NITA library.
- ii. Starting documentation work and services on different subjects specially in science and engineering.
- iii. Providing Inter Library Loan facility.
- iv. Opening of Non book section.
- v. Starting a binding section in the library.
- vi. Launching user-education programme.

- vii. Online question papers facility to be provided for different UG & PG examinations of NITA.
- viii. 24 x 7 library services will be provided namely digital library, OPAC (Online Public Access Catalogue) through WAN.
- ix. Whole library to be covered under CCTV surveillance.

19.6 Other activities:

The institute library has participated in the NDL project of MHRD, hosted at and executed by IIT Kharagpur. The registered members can browse through the rich contents of NDL portal covering multiple subject domains and find them extremely useful. Most of the users have already been registered under NDL and registration of the rest is under process.

20.0 STUDENT AMENITIES AND ACTIVITY

20.1 Hostels:

The Institute has both Boys' and Girls' Hostel facilities. Students are accommodated in 4 Boys' Hostels and 1 Girls' Hostel. Present status of the Hostels is given below:

Name of the Hostel/ Unit	Hostel Seat Capacity
Aryabhatta Hostel	1024
Howra Hostel	128
Dhalai Hostel	90
Gomati Hostel	128
Gargi (Girls Hostel)	412

^{*}One more boys' hostel of capacity 1500 is under construction.

20.2 Medical Facilities:

A well equipped Medical Unit with Four Medical Officers, two Pharmacists, two Nurse and other supporting staff is available in the campus for rendering medical care to the students, staff and other inmates of the campus. Presently we have two Ambulances in our Medical Unit. In case of emergency, arrangements are made for taking the patients to the Jirania Rural Hospital (Primary Health Centre) which is 4 k.m. away from the campus or to the State Hospital in Agartala which is around 30 k.m. from the campus.

20.3 NCC:

NITAgartala has applied for the NCC unit of 100 cadets for Boys and Girls. Already 50 no. seats are sanctioned for girls and it will start functioning from the month of August 2015

20.4 NSS:

The NSS Unit of NIT Agartala has 100 volunteers. The unit members find pleasure in going out of the routinised student-life and engage themselves in organizing various programmes. The march past of 26th January and of 15th August; tree plantations of 15th August, a rally on 1st December on World AIDS Day, Blood Donation Camp, Special Camp (Seven days- Art competition, Make dustbin, Awareness of bad effect of smoking & awareness on various social issues), Meditation & Yoga programme, Rashtriya Ekta Divas, Contribution to the Aremed Force Flag Day Fund, Campus Cleaning Programme & Swachh Bharat Abhiyaan. All were organized in the campus with great enthusiasm and zeal by the said unit.

20.5 Gymkhana:

The NITA Student Gymkhana is a very active student organization that acts as a link between the students and the administration. The Gymkhana promotes the objectives of fostering extra-curricular and co-curricular activities and welfare of students. The Gymkhana is managed by the

students, for the students, under the guidance and active participation of the faculty and staff members. It comprises of three committee viz. Cultural committee, Sports and Games committee and Technical Committee. In the hierarchy, individual secretaries of clubs and committees follow general secretaries. All the members of the Students' Gymkhana are elected by the students.

20.6 Games & Sports:

NIT Agartala has regular physical activities like Warming-up, Yoga, Meditation and Multi Gym Fitness programmes

2015-16:

The football team of NIT Agartala participated in the exhibition football match which was organized by Agartala Govt. Medical College on 15th August 2015.

The Table tennis & Chess (men & women) of NIT Agartala participated in the Inter NIT Tournament organized by NIT Silchar during 16-18 October 2015.

The Volleyball & Badminton team of NIT Agartala participated in the Inter NIT tournament (Men's) organized by the NIT Surat from 11-14 March 2016.

The Cricket & Basketball (men & women) team of NIT Agartala participated in the Inter NIT tournament (Men's) organized by the NIT Calicat from 26-29 March 2016.

A 32 member of contingent from NIT Agartala took part in the Inter NIT meet at NIT Rourkela during 12th February to 14th February, 2016. Competitions were held in Football, Kabadi, Kho-Kho (men).

In January, 2016, Annual Sports Week of NITA was organized. The Annual Athletic meet held during 23^{rd} to 26^{th} March, 2016. Students, both boys and girls, took part in athletics meet. In this events faculties, staff and their family also participated.

Every year Inter Departmental Sports Competition is organized and all the events are held throughout this academic calendar.

Sports section also organized State level Yoga competition on International Yoga day.

20.7 Techno-Cultural Activities (ADVAITAM 2016):

ADVAITAM 2016, The Annual Techno-Cultural fest was organized by the students of NIT Agartala in the month of February 2016 which witnessed spontaneous participation of students from different engineering colleges, universities, schools from the state and outside state of our country. Mega events like music, dance, instrument playing, drama competition and intercollege/school dance, band competition were held during the festival. Apart from this, technical events, such as, motivational talks by eminent speakers from industry/academia, different competitions on technical expertise at school and college levels, robotics shows, art & crafts

exhibition, cycleathon by daily casual labours etc. were taken place during the festival days. Mr. Virat Chatterjee, Vice President, Snapdeal, Miss. Sonal Kapoor, CEO of PROPASHAN, India foundation like enterpreneurs had graced the festival by delivering their motivational talks.

In the year 2016, ADVAITAM was held from 11thFebruary to 15thFebruary, 2016. During this programme, Saktipunj dance troop from NITA, ACEX DJ band from Goa entertained the campus with their scintillating performances. The fest witnessed a Mega Star night with the presence of Bollywood singer Monali Thakur and her troops.

20.8 Other Activities:

The students of NITA participated in the national level Technical Fest organized by different IITS and NITS. They are also actively engaged in different technical and cultural clubs like - Music, Photographic, Dance, Robotics, Magazine, Fine Arts, Drama Club, and Soft Skill development, Programming, Meditation, Science and Trekking Clubs.

21.0 TRAINING & PLACEMENT AND OTHER FACILITIES

A. Placement details for the year 2015-16:

To provide better career solutions to the students of NIT Agartala and to help them to turn employment challenges into opportunities, the Institute has taken an initiative to revamp its 'Training and Placement' section to a 'Centre for Career Development (CCD)'. The new centre started its functioning from December, 2015 with an aim to provide career development programme like soft skill training, foreign language certification, career counselling by professionals, industry-oriented workshops and lectures, leadership talks, management development programmes and facilitates industry-sponsored research besides providing placement and internship support to the students. The mission of the centre is to prepare every student of NIT Agartala to be career oriented instead of job oriented.

Details of the number of students placed during the period under report are given below as against those registered during 2015-2016:

				Nu	mbe	r of s	tude	nts se	lected	l Bra	nch v	vise/C	ourse	wise,	(B.7	ech,	<i>M.</i> 7	ech,N	IBA,MCA	, M.Sc)	
SI.			l	JG (E	B. Te	ch) A	II Bra	anch				PG (I	И. Тес	h) All	Brai	nch		М			
No	COMPANY	CE	M E	шш	ECE	EI E	CHE	P E	C S E	B _ 0	C	M E	ЕЕ	ЕСЕ	ΗE	PE	C S E	C A	MBA	TOT AL	CTC (LPA)
1	L&T INFOTECH	-	-	-	3	ı	-	1	6	-	-	-	-	-	-	-	ŀ	-	-	9	3.1
2	Polaris	-	-	-	3	-	-	-	8	-	-	-	-	-	-	-	٠	-	-	11	5
3	MuSigma	2	4	2	3	2	-	3	2	-	-	-	-	-	-	-	-	-	-	18	3.5
4	Tech Mahindra	3	5	2	6	7	2	3	2	-	-	-	-	-	-	-	-	1	-	31	3.25
5	IBM	20	7	1 7	7	5	8	-	4	-	3	3	-	1	-	-	-	-	-	85	3.1
6	Tata Motors	-	6	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	7	6.14
7	NCCL	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	•	-	-	6	2.5
8	Infosys	11	7	3	8	4	3	8	1 7	3	1	2	1	2	-	1	-	4	-	75	3.28
9	Oracle	-	-	-	2	-	-	-	4	-	-	-	-	1	-	-	ı	-	-	7	7.5
10	Johnson Control	-	-	1	1	3	-	-	6	-	-	-	1	-	-	-	-	-	-	12	4.5
11	Virtusa	-	1	1	5	3	-	-	7	-	-	-	-	-	-	-	-	1	-	18	5
12	XL Dynamics	1	2	1	1	1	1	1	-	2	-	-	-	-	-	-	·	-	-	10	3.6
13	HDFC Life	2	1	5	1	2	-	-	3	1	-	-	-	-	-	-	٠	-	-	15	3
14	L&T ECC	11	1 5	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	35	5.1
15	Maruti Suzuki	-	3	-	-	•	-	·	-	-	-	-	-	-	-	-	•	-	-	3	6.5
16	Tata Technologies	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	•	-	1	3	4
17	Triconinfotech	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	6
18	Ashok Leyland	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3	3.5
19	Mysis	-	-	1	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	4	5.2
20	Vedanta	-	1	1	_	-	4	-	-	-	-	-	-	-	-	-	-	-	-	6	7.54
21	Fiat	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4.75
22	Subhros	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4.2
23	Reliance Jio Technology	-	-	2	9	-	-	-	2	-	-	-	-	-	-	-	-	-	-	13	4.5
24	Reliance JioTelcom	-	-	-	5	-	-	-	4	-	-	-	-	-	-	-	-	-	-	9	5
25	Axis Bank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	•	-	2	2	3.5
26	Concept Education	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-	•	-	-	4	3.5
27	KEC	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4.75

	International	1	1		l	1			1	1	1	1						1	1	1	
28	Immunoshop	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	3	3.5
29	Ramco Systems	-	1	-	-	2	-	5	1	-	-	-	-	-	-	-	-	-	-	9	4
30	SSZ Infotech	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	4	2
31	BPCL	-	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	11.5
32	Mindtree	-	-	-	-	-	-	ı	6	-	-	-	-	-	•	•	•	-	-	6	7
33	Ways2Capital	4	3	2	-	3	4	6	-	3	-	-	-	-	-	-	-	-	-	25	3.45
34	Mphasis	-	-	1	7	5	-	4	1	-	-	-	-	-	١	١	١	-	-	18	4
35	HPCL	-	3	2	-	3	-	ı	-	-	-	-	-	-	ı	ı	ı	-	-	8	10.5
36	SAP Labs	-	-	-	1	-	-	ı	1	-	-	-	-	-	١	١	١	-	-	2	9
37	CA Technologies	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	8
38	Gammon India	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	4
39	Technibuild	8	1	-	-	-	-	ı	-	-	4	-	-	-	•	•	•	-	2	15	4
40	Capital Aim	1	3	1	4	-	1	6	3	1	-	1	-	-	•	•	•	1	-	22	2.92
41	Capital Via	-	-	-	-	-	-	2	-	1	-	-	-	-	•	•	•	-	-	3	4.82
42	Polmon Instruments	-	-	-	-	1	-	-	1	-	-	-	-	-	1	1	1	-	-	2	3.25
43	Wipro	-	-	3	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	6	3.3
44	Powergrid	2	-	5	-	-	-	ı	-	-	-	-	-	-	ı	ı	ı	-	-	7	11.5
Total	l Offer	81	8	6 2	6 9	4 3	2 4	4 2	8	1 8	8	6	2	4	0	1	0	7	4	540	Avg. Salary 4.9
Actua offer	al no of students ed	60	5 7	4 7	5 2	3 5	2	3 3	5 6	1 7	8	6	2	4	0	1	0	7	3	412	
	No. of students sed out)	14 9	9	8	7 2	5 0	4 2	6 0	7 6	2	9	4 8	4	3 4	7	6	1 2	3 4	15		
No o	f eligible students	10 1	8 2	6 2	6 3	3 9	2 4	4 5	5 7	1 9	9 3	4 8	4 3	3 4	7	6	1 2	3 4	15		

CSE:Computer Science & Engg, ECE:Electronics & Communication Engg, ME:Mechanical Engg, PE:Production Engg, EE:Electrical Engg, EI:Electronics & Instrumentation Engg, CE:CivilEngg, CHE:ChemicalEngg, BIO:BioEngg.

B. Scholarships/ financial assistance:

The details of different categories of scholarships/financial assistance functioning at NIT Agartala during 2015-16 are mentioned below:

Sl.	Category of	Stipend /	Rate of	Income bar	No. of	Duration of the Stipend
No	Scholar	ship	stipend		Students	/ Scholarship
			P.M.(Rs.)			_
B. T	ech. students					
1	Merit Stipend	Hosteller	90	9000/- P.A	4	10 month per year
		Days'	60			
		Scholar				
2	S C Stipend	Hosteller	1200	2.5 lac P.A	193	10 month per year
	_	Days'	550			
		Scholar				
3	S T Stipend	Hosteller	820	2.5 lac P.A	**	10 month per year
	-	Days'	530			
		Scholar				
4	OBC Stipend	Hosteller	750	1.0 lac P.A	**	10 month per year
	_	Days'	350			
		Scholar				

5	NEC Stipend	 1000	No Bar	**	10 month per year
6	Post	 375	No Bar	32	10 month per year
	Madhyamik				
	Stip.				

Note: ** Information /record not available with the stipend section due to implementation of Direct Benefit Transfer.

22.0 CAMPUS AMENITIES AND INFRASTRUCTUCTURE DEVELOPMENT INITIATIVES

22.1 Introduction:

The Institute has gone through a rapid growth in its Infrastructure Development as per commitment in its strategic plan, a journey towards excellence. Converting an existing State Level Engineering Institute (Viz TEC) having infrastructure and logistic inadequacies into an institute of National excellence is a formidable challenge. But the growth process which has taken place during the last five years at NIT Agartala is an indication of growth oriented programmes and realistic planning in the right direction.

22.2 Major Works:

The Institute is spread over an area of 365 acres of land. The following major works have been completed.

S1.	Name of the Works	Rupees in Lakhs
No.		_
1.	Construction of Boys' and Girls' Hostels, Dining and	11566.44
1.	Common Rooms.	(Including deviation)
2.	Construction of Market Complex.	400.00
3.	Internal Road Development.	1441.94
	Construction of Laboratories cum Canteen Building,	
4.	Workshop and Academic Building. Construction of G+6	5178.16
	Academic Building	
5.	Construction of Staff Housing, Guest House, Director's,	6046.49
5.	Residence.	(Including deviation)
6.	Construction of Central School.	2395.00
7.	Construction of Administration Block I & II and Seminar	3913.02
7.	Hall.	
8	Construction of School of Management Block.	3637.28
9.	Construction of Computer Centre and Central Library.	8009.14
10.	Construction of New Housing (H4A & H4B - two blocks	2698.54
10.	consisting of 48 flats).	
11.	Additional Floor of Central School.	995.85
12.	Area development works in and around the campus.	229.732

Work in progress:

The following works are in progress and will be completed very soon.

S1.	Name of the Works	Rupees in Lakhs
No.		
1.	Construction of duplex housing (10 nos.).	1055.50
2.	Construction of 1500 Capacity Boys Hostel.	15243.00
3.	Construction of Sports Complex at NIT, Agartala	5410.819

22.3 Housing Facilities:

As regards residential buildings, staff housing units having twenty four flats in each of H3A, H3B, H4A, H4B, H5 type housing and twelve flats in each of H2A, H2B type housing have been completed and are in use. New H4B2 and H4B3 type housing with 24 flats each are also completed.

22.4 Guest House:

There is one Old Guest House at NIT Agartala having 13 Nos. double bed living rooms. There is a Transit House at Agartala having two Single bed rooms, one double bed room and one conference hall. A new International Guest House having thirty three single bed rooms, ten suits and five VVIP suits has been constructed.

22.5 Hostel:

Boys' Hostels: Arryabhatta: 1024 Capacity, Howrah: 128 Capacity, Dhalai: 90 Capacity, Gomati: 128 Capacity, Girls Hostel: Gargi: 412 Capacity.

22.6 Bank:

1. State Bank of India, 2. Canara Bank, 3. Tripura Gramin Bank are operating in the NIT Agartala campus.

22.7 Post Office:

There is a Sub-Post Office in the NIT Agartala Campus.

23.0 TEQIP - II

Introduction:

The Technical Education Quality Improvement Programme (TEQIP) launched by the Government of India with the World Bank assistance to scale-up and support ongoing efforts to improve quality of Technical Education and enhance existing capacities of the institution to become dynamic, demand-driven, quality conscious, efficient and forward looking, responsive to rapid economic and technological developments occurring both at National and International levels. TEQIP is a long term Programme of 10-12 years duration planed to be implemented in 2-3 phases. The first phase of the TEQIP commenced in March 2003 and ended in March 2009. TEQIP phases II has been introduced in National Institute of Technology Agartala on 3rd August 2011. The overview of the TRQIP-II project of NIT Agartala is given as follows:

Project Progress – Expenditure Statement

Fund Received	Status from 01.04.2015 – 31.03 2016 Rs. (in lakh)
GRANT Received	Nil
Previous Balance	219.27
Interest and other received	8.29
Total (A)	227.56
Expenditure Incurred Upto 31.03.2016 (B)	140.83
Unspent Balance (A-B)	86.73

Project Progress – Expenditure Statement

Sl. No	Category	Activity	Status from 01.04.2015 – 31.03 2016 Rs. (in lakh)
1	Procurement	Procurement of goods (equipment, furniture, books, LRs, software and minor items) and civil works for improvement in teaching, training and learning facilities	Total: Rs. 57.20
2	Assistantships	Provide Teaching and Research Assistantships to increase enrolment in existing and new PG programmes in Engineering disciplines	Total: Rs.00.00
3	R&D	Enhancement of R & D and institutional consultancy activities	Total: Rs. 5.12
4	FSD	Faculty and staff development for improved competence	Total: Rs. 50.45
5	I-I-I- Cells	Enhanced interaction with Industry	Total: Rs.00.00
6	Capacity development	Institutional Management Capacity enhancement	Total: Rs. 4.63

7	Reforms	Implementation of Institutional academic	Total: Rs. 3.28
		reforms by NBA for UG Program of	
		CE,EE,ME	
8	Student	Academic support for weak students	Total: Rs. 0.00*
	support	(*Makeup Examinations and Supplementary	
		Examination along with Summer Class are	
		arranged for weak students. Faculties are	
		paid Rs.1000 per credit upto Rs.4000 per	
		subject in one year from Institute fund .)	
9	IOC	Incremental operating cost	Total: Rs. 20.15
		TOTAL	Rs. 140.83

Project Progress

Conference, Workshop etc. attended by faculty and students in India are as follows:

	Particulars	2015-16
Faculty	Attended Conference / Workshop, etc.	35
	IIM Training attended by Administrator	12
Student	Attended Conference / Workshop, etc.	75

Details of patent filed/applied funded by TEQIP-II are as follows:

Sl.	Fund provided to the	Designation with	Patent title/patent details.
No.	following faculties.	Department.	
1.	Mr. Mitra Barun Sarkar	Assistant Professor,	A touch-pad based device with
		Department of E.C.E. of	integrated electronic tool
		NIT Agartala.	providing authentication for user.
2.	Dr. Srimanta Ray	Assistant Professor,	A membrane-independent off-grid
		Department of ChE, NIT	hybrid power system.
		Agartala.	
3.	Dr. Biswanath Bhunia	Assistant Professor,	An acidophilic xylanase enzyme
		Department of Bio	with broad ph activity from
		Engineering, NIT	aspergillus niger.
		Agartala.	

Following workshop/Training conducted under TEQIP-II:

SL.	Topic of the Workshop/ Training.	Organized by the	Duration
No.		following Department	
1.	Workshop on "Recent Trends in	Civil Engineering	From 18 th to 19 th
	Transportation Engineering"		March 2016.
2.	Two days workshop on	Mechanical Engineering	From 11 th to
	"3D Printing and Laser application in		12 th March,
	Manufacturing Processes"		2016
3.	Two days National Workshop on	Mechanical Engineering	From 25 th to 26 th
	advances in Two-phase Flow and Heat	in association with	March 2016
	Transfer.	Chemical Engineering.	

4.	Two days International Workshop on	Mechanical Engineering	From 11 th to 12 th
	"Product Design and Development"	in association with	March 2016.
		Production Engineering.	
5.	Two days workshop on "Power System	Electrical Engineering	From 17 th to 18 th
	Beyond 2020"		August 2015
6.	Two days Workshop on "Optics and	Electrical Engineering	From 8 th -9 th Oct,
	Photonics".		2015
7.	Two days Workshop on "Recent Trends	Electrical Engineering	From 21 st to 22 nd
	on Power Electronics"		November 2015
8.	One day National Workshop on	Electronics and	On 21.01.2016
	"Challenges of Emerging	Communication	
	Nanotechnology for VLSI	Engineering	
	Nanoelectronics"		
9.	Three days National Workshop on	Mathematics	From 29 th to 31 st
	"Recent Advancement in Soft		January 2016
	Computing Techniques"		-
10.	Computational Study on Fluid Transport	Mathematics	From 5 th -7 th Feb
	Phenomena		2016
11.	2 days national workshop on Human	Computer Science and	From 15 th to 16 th
	Computer Interaction	Engineering	February 2016
12.	Training on "Office, Management using	TEQIP-II	January 2016
	Information and Communication		-
	Technology"		

24.0 FINANCE & ACCOUNTS

24.1 Analysis of Plan and Non-Plan Grants:

Head	2015 16	(Rs. In Lakhs)
Head	2015-16	2014-15
1. Non-Plan		
Income		
Grant from MHRD	2300.00	1500.00
Total	2300.00	1500.00
Expenditure		
Recurring	5041.19	4092.54
Total	5041.19	4092.54
2. Plan		
Grant from MHRD	6499.60	7900.00
Corpus Fund Transfers		
Total	6499.60	7900.00
Expenditure		
Non-Recurring	7068.58	8524.23
	. 000.00	55 = - 0

24.1.1 Plan Fund

<u>Plan</u>	(F	Rs in Lakhs)
Opening Balance	:	1227.39
Grant Sanctioned During 2015-2016	:	6499.60
Funds from other sources	:	30.07
Total Available	:	7757.06
Capital Expenses during 2015-2016		
Building & Construction	:	6813.91
Furniture & Fixtures	:	79.14
Equipments	:	173.03
Other Exp.	:	2.50
Total Utilized	:	7068.58
Unutilized Balance	:	688.48

24.1.2 Non-Plan Fund:

Non – Plan	(Rs in Lakhs)
Opening Balance	: 367.39
Grant Sanctioned during 2015-2016	: 2300.00
Funds from other sources	: 2607.81
Total Available	: 5275.20
Expenditure during 2015 – 2016	
Pay & Allowances	: 2531.08

Recruitment Benefits	:	354.06
Health Services	:	1.87
Student Scholarship	:	773.53
Administrative Expenses	:	350.57
Student Support Activities	:	55.30
House Keeping & Estate Maintenance	:	681.91
Water / Electricity	:	292.87
Total Utilized	:	5041.19
Unutilized Balance	:	234.01

24.2 Establishment Expenditure :

Sl.No	Head	Amount (In Lakhs)
1.	Pay & Allowance	2531.08
2.	Retirement Benefits	354.06

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भारतीय लेखा परीक्षा और लेखा विभाग, INDIAN AUDIT AND ACCOUNTS DEPARTMENT महालेखाकार (लेखा परीक्षा) का कार्यालय, त्रिपुरा, अगरतला OFFICE OF THE ACCOUNTANT GENERAL (AUDIT), TRIPURA, AGARTALA

पिन / PIN - 799006 फैक्स / Fax - 0381-2350158

ई मेल / email: agautripura@cag.gov.in

Date: November 15, 2016

To The Registrar National Institute of Technology, Agartala, Barjala, Jirania, Tripura (West), Pin - 799046.

Subject:- SAR on the accounts of NIT, Agartala for the year 2015-16.

Sir,

I am sending herewith the Separate Audit Report on the accounts of the National Institute of Technology (NIT) for the year 2015-16 along with a Management letter for further action act your end.

Enclo: As stated.

Yours faithfully,

Deputy Accountant General (Audit)

SEPARATE AUDIT REPORT OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA ON THE ACCOUNTS OF THE NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA FOR THE YEAR ENDED 31 MARCH 2016

We have audited the attached Balance Sheet of the National Institute of Technology (NIT), Agartala as on 31 March 2016, the Income and Expenditure Account and Receipts and Payments Account for the year ended on that date under Section 19(2) of the Comptroller and Auditor General's (Duties, Powers & Conditions of Service) Act, 1971. These financial statements are the responsibility of the management of the NIT, Agartala. Our responsibility is to express an opinion on these financial statements based on our audit.

- 2. This Separate Audit Report contains the comments of the Comptroller and Auditor General of India (C&AG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules and Regulations (Propriety and Regularity) and efficiency-cum-performance aspects etc., if any, are reported through Inspection Reports/C&AG's Audit Reports separately.
- 3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

- i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
- ii) The Balance Sheet, Income and Expenditure Account/ Receipt and Payment Account dealt with by this report have been drawn up in the format prescribed by the Ministry of Human Resources Development (MHRD), the Government of India vide order No. 29-4/2012-FD dated 17 April 2015.
- iii) In our opinion, proper books of accounts and other relevant records have not been in maintained by the NIT Agartala as far as it appears from our examination of such books.

- iv) We further report that:
- A. Balance Sheet

Application of Fund

Capital Work-in-progress Capital Work-in-progress (Plan Fund)

₹ 450.72 crore

(Non-Plan Fund)

₹ 5.26 crore

A.1. The above heads were overstated by ₹ 175.43 crore due to not transferring 13 construction works¹ to Tangible Assets though these were already taken over by NIT, Agartala between January 2011 and May 2015 after completion of construction activities. This has also resulted in understatement of Tangible Assets by ₹ 169.19 crore (Plan: ₹ 168.49 crore and Non-plan: ₹ 0.70 crore) and understatement of accumulated depreciation by ₹ 6.24 crore (Plan: ₹ 6.16 crore and Non-plan: ₹ 0.08 crore).

Capital Work-in-progress

(Plan Fund)

₹ 450.72 crore

A. 2. The above is overstated by ₹ 7.37 crore for accounting of Mobilisation Advance paid to a contractor for construction of 1500 Capacity Boys' Hostel at NIT Agartala as Capital Work-in-Progress. This has also resulted in understatement of 'Loans, Advances & Deposits' by the ₹ 7.37 crore.

Corpus / Capital Fund and Liabilities

Designated / Earmarked/ Endowment Fund

Schedule -2

₹ 25.99 crore

A. 3. The above is overstated by ₹ 25.99 crore as it includes closing balance of plan grant which was required to be booked as 'Current Liabilities and Provisions' under Schedule 3 in term of format of accounts approved by MHRD. This has also resulted in understatement of Current Liabilities by ₹ 25.99 crore.

Corpus /Capital Fund and Liabilities

Current Liabilities & Provision

Schedule -3

₹ 47.95 crore

A.4. As per instructions given in the format of accounts notified by MHRD, the Provident Fund Account and the New Pension Scheme Account are owned by the members of those funds and not by the Institute. These accounts are required to be separated from the Institution's Account. NIT, Agartala has, however, incorporated balance of fund of these accounts in its annual accounts. This has resulted in overstatement of Current Liabilities by ₹ 6.46 crore (NPS: ₹ 6.40 crore and Staff Benefit Trust (GPF): ₹ 0.06 crore) with corresponding overstatement of current assets by similar amount i.e. ₹ 6.46 crore (Saving account: ₹ 0.07 crore and Fixed Deposits: ₹ 6.39 crore).

¹ (Plan Fund : 10 nos with value of ₹ 174.65 crore and Non Plan : 3 nos with value of ₹ 0.78 crore).

B. Income and Expenditure Account

Expenditure

Depreciation Schedule - 4 ₹ 7.81 crore

B.1. The above head was understated by ₹ 9.78 crore due to short provisioning of depreciation for delay in capitalisation assets. This has also resulted in overstatement of Fixed Assets – Tangible Assets (Net Block) by ₹ 9.78 crore.

Prior Period Expenses

Schedule - 22

NIL

B.2. The above is understated by ₹ 77. 66 lakh due to incorrect accounting of repair and maintenance expenditure incurred during the year 2009-10 as Çapital Work-in-Progress. This has also resulted in overstatement of Capital Work-in-Progress by ₹ 77.66 lakh.

C. General

- The books of accounts of NIT, Agartala does not provide visible trail of transaction from its initial posting to the final accounts which ensures arithmetic accuracy, correctness and completeness of the annual accounts.
- 2. NIT, Agartala has accounted an amount of ₹ 55.92 crore as cost of construction of 'housing and guest house'. However, as per final bill, total cost of the work was ₹ 60.96 crore. The difference of ₹ 5.04 crore has not been reconciled.
- NIT, Agartala did not furnish records of income tax exemption available to NIT (if any), Tax Deducted at source by the Bank on NIT's interest earning, return filed with income tax authority.
- 4. NIT, Agartala was established by converting Tripura Engineering College into a centrally funded institution vide decision of Union Cabinet dated 23 February 2006. The Institute has identified (October 2007) total net assets (comprising of land, buildings and others) of ₹ 16.08 crore. These assets, though in possession of NIT, Agartala, are yet to be incorporated in the accounts with corresponding liabilities. Further no correspondence was done with the State Government in this regard since October 2007.
- 5. As per the instructions contained in formats of accounts prescribed by MHRD under Schedule 23, Designated/ Earmarked/Endowment Funds are those fund which are set aside by the institute for identified purpose. Incomes on these items are credited to the respective fund accounts. Similarly, expenditures are also debited to fund accounts. NIT, Agartala has maintained 15 fund accounts² wherein related income/expenditure are credited/debited to the

-

² Project: ₹ 29.16 lakh, Retirement Benefit: ₹ 1062.42 lakh, Student Welfare: ₹ 15.38 lakh, Staff Development: ₹ 1.2 lakh, Institute Development: ₹ 690.31 lakh, Infrastructural Development: ₹ 85.37 lakh, Sponsored Project: ₹ 1018.95 lakh, Staff Welfare: ₹ 0.84 lakh, Departmental Promotional (Civil): ₹ 23.57 lakh, NSS Unit: ₹ 0.22 lakh, Director's Relief: ₹ 3.46 lakh, School of Continuing Education: ₹ 0.34 lakh, Guest House: ₹ 24.03 lakh, NIT Transit House:

respective fund account itself. These funds were, however, booked as current liabilities. Thus, there is inconsistency in accounting of these funds.

6. As per the instructions of MHRD contained in schedule 23 of prescribed format of account Straight Line Method of deprecation is required to be followed at the rate specified therein. Further, full deprecation is to be charged for the assets acquired during the period. The management has not complied with the instruction.

D. Grant-in-aid

During the year the institute has received ₹ 88 crore (Plan: ₹ 65 crore and Non Plan: ₹ 23 crore) from Government of India. An amount of ₹ 15.94 crore was lying unspent as on 1 April 2015. Further, internal income of the institute was ₹ 26.38 crore. Against total availability of ₹ 130.32 crore, the institute could utilise only ₹ 121.10 crore leaving unspent balance of ₹ 9.22 crore (Plan: ₹ 6.88 crore and Non-Plan: ₹ 2.34 crore) as on 31 March 2016.

E. Management letter

Deficiencies which have not been included in the Audit Report have been brought to the notice of the Management through a management letter issued separately for remedial action.

- v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet and Income and Expenditure Account and Receipts and Payments Account dealt with by this report are in agreement with the books of Accounts.
- vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in *Annexure* to this Audit Report, give a true and fair view in conformity with accounting principles generally accepted in India:
 - a. In so far as it relates to the Balance Sheet, of the state of affairs of the National Institute of Technology, Agartala as at 31 March 2016.
 - b. In so far as it relates to Income and Expenditure Account of the deficit for the year ended on that date.

For and on behalf of the Comptroller and Auditor General of India

Place: Agantola Date: 15-41-2016

Accountant General (Audit), Tripura

Minaponto

Page 4 of 5

Annexure to the Separate Audit Report on the accounts of the National Institute of Technology, Agartala for the year 2015-16

Audit evaluation of internal control and internal audit system is summarised as under:

(1) Adequacy of internal audit system

Till the close of financial year 2015-16, there was no separate internal audit wing of the institute. A Chartered Accountant firm was appointed by the management for internal audit of annual accounts.

(2) Adequacy of internal control system

- NIT, Agartala has not prepared its own accounting and internal control manual.
- (ii) All the assets belonging to NIT, Agartala are not brought into the accounts. Further, some of the civil works were not capitalised though the same were already taken over.
- (iii) While releasing temporary advance, expenditure head was booked. This may affect the recovery procedures as no outstanding amount was reflected against the advances.
- (iv) Proper accounting records are not maintained to indicate correctness of figures appearing in annual accounts.

(3) System of physical verification of fixed assets and inventory

The physical verification of assets and inventory indicate high value items lying as under non-working conditions (repairable or damaged). No action is being taken to address the issue.

Confidential



No. ECPA/NIT-SAR/2015-16/312

INDIAN AUDIT AND ACCOUNTS DEPARTMENT OFFICE OF THE ACCOUNTANT GENERAL (AUDIT), TRIPURA, AGARTALA

PIN - 799006 Phone: 0381 - 235 0031 FAX: 0381 - 235 0158 Email: agautripura@cag.gov.in

Dated: November 15, 2016

To The Registrar, National Institute of Technology, Agartala, Barjala, Jirania, West Tripura, Pin: 799 046.

Subject: Management Letter on the annual accounts of the NIT, Agartala for the year ended 31 March 2016.

Sir,

Certification audit on the annual accounts of National Institute of Technology, Agartala for the year ended 31 March 2016 was taken up by this office under Section 19(2) of the Comptroller and Auditor General's (Duties, Powers & Conditions of Service) Act, 1971. A Separate Audit Report (SAR) incorporating final comments of C&AG is issued along with this letter. Apart from the audit comments issued in SAR, audit has noticed three points which require management's action to ensure compliance to the instructions of MHRD with respect to preparation of annual accounts.

Yours faithfully,

Enclosed: As stated.

Deputy Accountant General (Audit)

ANNEXURE TO THE MANAGEMENT LETTER

- 1. As per Schedule 9 of the format of accounts prescribed (17 April 2015) by MHRD, the Academic receipts are to be classified as Tuition fee, Admission fee, Enrolment fee, Library Admission fee, Laboratory fee, etc. However, the Institute booked the above amount under Academic receipts as income in the Income & Expenditure Account without item wise classification. Therefore, audit could not vouchsafe the income due to non-maintenance of item wise ledger accounts/non-availability of detailed break-up.
- 2. The management has applied 60 *per cent* depreciation on computer and accessories (worth ₹ 0.75 lakh) against 20 *per cent* as prescribed by MHRD.
- 3. The computer items of ₹10.75 lakh was booked under Machinery and Equipment instead of Computer and Accessories.

SE. Audit Officer(Coml)



NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA

ANNUAL ACCOUNTS 2015-16



KOUSHIK DEBNATH & ASSOCIATES

Lenin Sarani, Old MunicipalityRoad Chartered Accountants Agartala, Tripura (West) 799001

cakoushik2012@gmail.com

Ph: 0381 2381007

National Institute of Technology (NIT), Agartala Internal Audit Report for the Financial Year 2015-16

We have conducted the Internal Audit of the National Institute of Technology, Agartala for the financial year 2015-16 during the period from 01.04.2015 to 31.03.2016 and we report the following observations:

Observations:

1. Details of Funds received by NTT, Agartala during the financial year 2015-16 from MHRD, New Delhi.

For Plan Fund:

Sl	Sanction Memo	Date of	Amount in
No.	Sanction Memo	Sanction	lakhs
1_	F.No.35-2/2015-TS III	04.06.2015	1000,00
2	F.No.35-2/2015-TS III	28.09.2015	1500.00
3	F.No.35-2/2015-TS III	29.02.2016	3999.60
	Total		6499.60

For Non-Plan Fund:

	Total		2300.00
1			
3	F.No.35-3/2015-TS III	16.12.2015	500.00
2_	F.No.35-3/2015-TS III	08.09.2015	1000.00
1	F.No.35-3/2015-T\$ III	03.06.2015	800.00
No.	Sanction Hemo	Sanction	lakhs
SI	Sanction Memo	Date of	Amount in

2. On verification of the Cash Book it is seen that the following bank accounts are maintained for Non-Plan fund by the Institute:

2,26,54,7

Bank Name & Branch	Balance as per Cash Book as on 31.03.2016
SBI, NIT Agartala Br.	2,19,33,333/-
Canara Bank, NIT Jirania Br	4,48,955/-
Cash in hand	2,72,414/-

The Canara bank account is inoperative since 29.01.2009

3. The following bank accounts are maintained for Plan fund by the Institute:

Bank Name & Branch	Balance as per Cash Book as on 31,03,2016
SBI, NIT Agartala Br.	11,94,77,649/-
Canara Bank, NIT Jirania Br	19,541/-
}	11,94,97,190/-

The Bank reconciliation statement of the same shows that an uncleared cheque for Rs. 12,885/- issued on 18.08.2014 is still pending and should be reversed. The Canara bank account is inoperative since long.

- 4. It has been observed that Accounting Heads are mentioned in the Cash Book from 01.10.2015. Entries are booked on the basis of narrations in the Cash Book. Proper accounting heads always to be mentioned while booking entries in cashbook.
- 5. Temporary advances lying unadjusted as on 31.03.2016 amount to Rs.7,24,012/-(Annex enclosed). Efforts to be made to adjust those at the earliest.
- Following are the list of unadjusted advances given to third parties as on 31.03.2016 from Plan fund:

Name of Party/Agency	Amount (Rs) as on 31.03.2016	Unadjusted since
BSNL, Agartala	1,72,764/-	01.04.2015
PHE, Agartala	15,60,100/-	01.04.2015
THB, Agartala	76,40,420/-	01.04.2015
DWS Deptt, Agartala	26,95,300/-	01.04.2015
CPWD, Agartala	16,14,84,092/-	01.04,2015
EPIL	1,02,00,000/-	01.04.2015
Total	18,37,52,676/-	

Following are the list of unadjusted advances given to third parties as on 31.03.2016 from Non-Plan fund;

Name of Party/Agency	Amount (Rs) as on 31.03,2016	Unadjusted since
RD, Agartala	20,00,000/-	01.04.2015

2

8. Fixed Assets:

- a. The Institute maintains Fixed Assets Register in excel (computerized).
- b. No insurance coverage for any fixed assets is taken.
- c. Subscription for e-books for 1 year are treated as Fixed Assets & depreciation charged @ 40% instead of full write off.
- d. As confirmed, the following head of items shown under CWIP as on 31.03.2016 are Assets those are already being put to use however due to non receipt of completion certificate those are yet to be capitalized.

Name of Assets	Amount (Rs) as on 31.03.2016
Construction of Watch tower & Security	56,98,969/-
Construction of School of management	39,31,79,862/-
Construction of Auditorium Building	2,31,51,901/-
Construction of Housing & Guest House	55,92,18,130/-
Construction of Admin Block & Seminar	46,20,28,979/-
Construction of Central Library	28,66,24,924/-
Construction of H4B Building	17,98,21,209/-
Total	190,97,23,974/-

- 9. On verification of the bills pertaining to services rendered to the Institute for gardening/ security/ House keeping, it has been observed that service tax has been charged by the service providers to the Institute. Here reference should be made to Service Tax mega exemption notification 25/2012 (copy enclosed) which exempts Services provided to or by an educational institution in respect of education exempted from service tax, by way of,-
 - Auxiliary educational services; or (a)
 - (b) renting of immovable property;

Auxiliary educational services includes catering, security or cleaning or house-keeping services, transportation of students, faculty and staff, services relating to admission to, or conduct of examination by, such institution.

The Institute incurred Rs. 311.48 lakhs on Security Service, Rs. 58.46 lakhs on Gardening & Rs.170.99 lakh on Housekeeping during the financial year 2015-16.

We thankfully acknowledge the Co-operation extended by the Officers/officials of NIT Agartala in conducting the Internal Audit.

an Afform

FRN-3274778

RODSHIK DEBNATH & ASSOCIATES (Chartered Accountants) AGARTALA

> (Koushik Debnath) Mem: 064341

Date; 21.06.2016

Place: Agartala

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•			_	
•		Details list of unadjusted Tempora		ure "A"
•	SI. No	Name of Employee	Amount (Rs)	
•	1	Abhik Majumder	5,000/-	

SI. NO	Name of Employee	Amount (Rs)
1	Abhik Majumder	5,000/-
2	Ajoy Kumar Das	10,000/-
3	Anirban Bhattacharjee	1,000/-
4	Anupam Jamatia	28,000/-
5	Anupam Pal	11,000/-
6	Apu Kumar Saha	6,000/-
7	Ashim Saha	29,000/-
8	Barnik Saha Roy	1,47,375/-
9	Debabrata Sen	18,000/-
10	Debasis Neogi	5,000/-
11	Debasish Bhattacharya	5,000/-
12	Dibyendu Ghoshal	5,000/-
13	Dilip Debbarma	30,000/-
14	Jahar Debbarma	10,000/-
15	Jayanta Pal	6,050/-
16.	John Debbarma	34,850/-
17	Madhujit Deb	10,000/-
18	Manik Bhowmik	8,985/-
19	Mrinal Debbarma	12,000/-
20	Mrinmoy Majumder	15,000/-
21	Prasun Chakraborty	82,200/-
22	Priyanath Das	5,000/-
23	Ram Naresh Rai	5,000/-
24	Richi Prasad Sharma	15,000/-
25	Sambhu Nath Pradhan	14,400/-
2 6	Saroj Kumar Das	5,000/-
27	Subrata Kumar Ghosh	14,450/-
28	Sukanta Goswami-1	25,100/-
29	Suman Deb	24,452/-
30	Swapan Debbarma	33,000/-
31	Tanumoy Paul	22,700/-
32	Tarun kanti Bandhopadhyay	25,450/-
33	Umesh Mishra	40,000/-
34	Uttam Kumar Bera	15,000/-
	Total	BNATH & 45 7,24,012/-
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TE OF TECHN	HE PERIOD /		Schedule										Schedule				· · · · · · · · · · · · · · · · · · ·								- 1					NE.	S * .	3
Name of Entity: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTAL	TURE ACCOUNT FOR THE PERIOD / YEAR ENDED ON 31.03.2016																		6	- di-			:					NATURE OF THE P.	~ 6	Sign of the state	* ACARTALA	13/
Name of Entity	INCOME AND EXPENDIT		MCOME	1. Opening Bank Balance(8.B A/c)	come from Sales / Services	3. recs / subscriptions 4. Interest Rathed	TOTAL	GXPENDITURE	Bank Charges Closing Bank Balance (S.B. A/c)	2000 B	A44		Particulars	INCOME	I. Opening Balance:	Fixed Deposit	come from Sales / Services-	3. Fees / Subscriptions	Employee/Employer's Contribution	umployee/kmployers Contribution-rid 4. Interest Famed-S. B. Accounts	5. Interest Earned-F.D. Accounts	TOTAL	S S S C C C C C C C C C C C C C C C C C	Fund transfer to CRA (NSDL)	į	rixed Deposit Bank Balance (S.B. A/c)		For VONTEUTY DEBNATER 4. ASSOCIATION	(Chartered Accountants)	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	(CA Koushik Debnath)	Mem No: 054341

· 텔립성(- '' '' '' '' '' '' '' '' '' '' '' '' '	Schedule Current year Previous		C. Gopal Misperaya		47835903	624121	47211782	47836903	1968207	8820800	0	43575		OND	69758444	14963180	0	6781315	69758444	3554839	501800	24466518	0	6776177			
Schedule Current year Schedule Current year 2015-2016 14953180 14953180 19953180 19953180 19953180 10994401	FOR THE PERIOD YEAR ENDED ON RETIREMENTS Schedule Current year 2015-2016 14963180 2015-2016 1094401 1094401 1094401 118600140 12387619 12387619 12387619 17824311 17824311 17824311 17824311 17824311 17824311 17824311 17824311 17824311 17824311 17824311 17824311 17824311 17824311 17824311 17824311 17824318 17824318 178283690	Schedule Schedule			4783	.9	472	4783	196	800		202	Previous yes	EVELOPMENT I	769	480		2.09	1269	356	 	244	ę .	300	2027	Previous yes	r benefit fun
Schedule Schedule	Schedule Sch		r. Detasish Shatlachage		69030918	3645228	65385690	69030918	3173908	17524311	O	47211782	Current year	ш	118600140	86100292	0	12357619	118600140	30863431	1094401	51442267	0	14963180	0 10 00 00	Current year	RETIREMENT
	TURE ACCOUNT FOR 1												Schedule			r- r-				-				:		Schea me	

NCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD VTAR EMELA PRE FUND STAFF WELL AND EXPENDITURE ACCOUNT FOR THE PERIOD VTAR EMELA PRE FUND STAFF WELL AND EXPENDITURE ACCOUNT FOR THE PERIOD VTAR EMELA PRE FUND STAFF WELL AND EXPENDITURE ACCOUNT FOR THE PERIOD VTAR EMELA PRE FUND STAFF WELL AND EXPENDITURE ACCOUNT FOR THE PERIOD VTAR EMELA PRE FUND STAFF WELL AND EXPENDENCE ACCOUNT FOR THE PERIOD VTAR EMELA PRE FUND STAFF WELL AND EXPENDENCE ACCOUNT FOR THE PERIOD VTAR EMELA PROJECT FUND STAFF WELL AND EXPENDENCE ACCOUNT FOR THE PERIOD VTAR EMELA PROJECT FUND STAFF WELL AND EMPLOYEE ACCOUNT FOR THE PERIOD VTAR EMPLOYEE ACCOUNT FOR THE PERIOD F	CNIZ	us vent	2014-2015	53562	0	8100	63867	63867	63867		Previous year	2014-2015	3945111	0	1088427	154802	5189340	107116	000009	1802	0	4479422	5188340		exercity 1905 -4
Schedule	/ YEAR ENDED ON 31.03.2016			63867	0	17712	84172	84172	84172	PROJECT FUR			4479422	0	1084072	159918	6323412	178958	3228031	230	0	ļ	6323412		· · · · · · · · · · · · · · · · · · ·
	ICCOUNT FOR THE PERIOD	Schedule									Schedule													WITH CASE	4

	TUND (CIVIL)	PRI	20	1690568		81000	67793	1839361		0	1839361	1839361			182		11172	0.000	991	52284	44800	7172	52284					S. C. College	Division,
31.03.2016	ROMOTIONAL P	Previous year	2014-2015											NSS UNIT	Previous year	2014-2015					-						Ψ.) 	-
I'VRE ACCOUNT FOR THE PERIOD / YEAR ENDED ON 31.03.2016	DEPARTMENTAL PROMOTIONAL FUND (CIVIL)	Current year	2015-2016	1839361		571633	77355	2488349	131100	0	2357249	2488349			Current year	2015-2016	7172	0	46326	54622	32868	21754	54622						Decasist Statistical
		Schedule							!		L -				Schedule	:						2						-	6
INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD											i 										 - - -			0.00	EBINITIE	~ ~	ACADYA:		
AND EXPENDITURE		Particulars			Services-		ccounts							:	Particulars			services-	counts					MARIE & ACCOUNT	Chartered Accountants)	-	(CA Koushik Debnath)	Mem No: 064341	
INCOME AN			INCOME	1. Opening Balance: S.B. A/c	2. Income from Sales / Services-	es / Subscriptions	4. Interest Earned-S.B. Accounts	TOTAL	EXPENDITIBE	Charges	Bank Balance (S.B. A/c)	TOTAL				INCOME	S.B. A/c	Z. Income from Sales / Services-	4. Interest Farned-S.B.Accounts	TOTAL.	ENDITURE	Bank Balance (S.B. A/c)	TOTAL.	Fot	(Chartered Accountants)	*	CA Kous	Mem N	

													 						-									 	7		- Cook Muse Care	Director,
03 2016	Y DEPOSIT	Previous year	2014-2015	0000000	15595070	0	11560458	604625	45678583	16069860	17046710	12459872	45578583	DEVELOPMENT FU	Previous year	2014-2015	00565	0000005	0	0	25246	2534204	6244909	0	7534204	708755	8242959					
OLOGY, AGARTALA	EMD & SECURITY DEPOSIT	Current year	2015-2016	0	12459872		6917763	568804	38324829	667525	0	13271183	38324829	INFRASTRICTURAL DEVELOPMENT PUND	Current year	2015-2016	332802	7534904	0	6	58969	234954	22303050	0	7769158	767724	8536882				Sales Sales	Dr. Debasish Unatawasaya Registrat
ity: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA	ODER TON THE	Schedule				:									Schedule													 SUATH.			GARTACA .	
Name of Entity: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA	INCOME AND EXPENDITURE ACCOU	Particulars	Ι¦	I. Opening Balance:	S.B. A/c	2. Income from Sales / Services-	3. Pees / Subscriptions	4. Interest Earned-S.B.Accounts	5. Interest barned-r.D.Accounts	EMD & Security Released	Bank Charges	Rank Balance (S.B. A.te)	TOTAL		Particulars	INCOME	l. Opening Balance:	S.B. A/C	Income from Sales / Services	3. Fees / Subscriptions	4. Interest Earned-S.B. Accounts	5. Interest Earned-F.D.Accounts	TOTAL	Expenditure	#2	Bank Balance (S.B. A/c)	TOTAL	KOUSHIK DEBNATH & ASSOCIATES	(Chartered Accountants)	 	(CA Koushik Debnath)	Section Mem No. 054341

Schedule Current year Perticulars Schedule Current year Perticulars Schedule 2015-2015 2014-2015	INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD / YEAR ENDED ON 31,03,2016	T FOR THE PERIOD	YEAR ENDED ON 31.03.2016 SPONSORED PROJECT FUND	0.03.2016	
## Goldware: ## Belance: ## B	Particulars	Schedule	Current year	Previous year	
25463539 28448161 76478752 71476841 22852532 18721961 22852532 201627 201621 1035564 1077940 2041627 7001911 227976437 227738574 45949 7 21374856 25463539 7 21374856 25463539 7 21374856 25463539 7 80520370 7 80520370 7 80520370 7 80520370 7 80520370 7 80520370 7 80520370 7 80520370 7 8	INCOME		2015-2016	2014-2015	
ASSOCIAITS ASSOCI	ng balance:		05463530	28448161	:
ASSOCIATES ASSOCI	Deposit		78478752	71476841	
48SOCIATES auts auts ASSOCIATES auts Di Decessis Bultracasure ASSOCIATES ACARTALA Control Control ACARTALA ACAR	2, Income from Sales / Services-		0	0	:
atis) (Second Test	3. Fees / Subscriptions		22852532	18721961	
1035564 1035564 129872014 1 129872014 1 129872014 1 120872014 1 1 120872014 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- !	· ·	0	o	-
attis	- 1		1035564	1077940	
129872014 1 1 1 1 1 1 1 1 1	sst Earned- F.D. A/c		2041627	7001911	
ACCOUNTAINS ACCOU			129872014	126726814	
ACCOUNTAINS) WATH & ASSOCIATES ACCOUNTAINS ACCOUN		• •	07076437	99738574	
ACCOUNTAINS CONTRACT CONTRACT	harges		340	45949	
ACCOUNTAINS) WATH & ASSOCIATES Accountains) Weightigh Cod341 Cod341 Cod341 Cod341 Cod341 Cod341 Cod341 Cod3441 Cod8441			 		:
WATH & ASSOCIATES Accountants is Debnatib Co64341 Registral Co64341 Registral Co64341 Registral	eposit	7	.	78478752	
SENATH & ASSOCIATES ed Accountants ed Accountants shik Debnath shik Di Debnath shik Debnath sh	alance (S.B. A/c)			25463539	
SENATH & ASSOCIATES ed Accountants est Accountants shik Debnath shik Debnath from Accountants inc. 064341 from Accountants respectively respectively respectively respectively respectively		+	120872014	106706814	-
SENATH & ASSOCIATES ed Accountants ed Accountants shilk Debnath * AGARTALA ## Di Nebasish Bialtacha ## No: 064341 * Registrar, Registrar, Registrar,					
ed Accountants] ed Accountants] ed Accountants] ishik Debnath * AGARTALA ## Di Debasish Bialtacha pa * Registrat. * Registrat. * Registrat.					-
ed Accountants) Shirt Debnath Shir	OUSHIK DEBNATH & AS				
Shirk Debnath	[Chartered Accountants]			!	
Schik Debnath) (S. AGARTALA) (E. AGARTALA) (_ :	
Ison Decision State Control State Control State Control Contro	S)(CV		- 1	-
Di heiasia Biatacia ja Kegistra. Kegistra. Kegistra.	(CA Kousnik Debnath)	TES			
Di Debasia Biatachaya Resistrat	7	1 m			
Di Deliasia Bratacia ya Registrari		##/		الم	
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	LATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA THIRE ACCOUNT FOR THE PERSON / YEAR ENDED ON 31 03 2015	STAFF BENEFIT TRUST (GPF)	Schedule Current year Previous year	2015-2016 2014-2015		98897		5983500		6105119 6016097		5917		7 2 632390	6105119 6016097	DIRECTOR'S	P-1	2015-2016 2014-2015	332482	 	0 0	R	0	337482	:	345914 332482
	Name of Entity: NATIONAL		Particulars	INCOME	1. Opening Balance:	S.B. A/c	2. Income from Sales / Services-		4. Interest Earned-S.B.Accounts	TOTAL	EXPENDITURE	Remitence	Bank Charges	Bank Balance (S.B. A/c)	TOTAL		Particulars	INCOME	S.B. A/c	2. Income from Sales / Services-	3. Fees / Subscriptions	T. Maries defined a procedure	EXPENDITURE	Bank Charges Bank Release (S.R. A7s)	(a)	TOTAL

																														Pienke Pienke
1.03.2016	NUING EDUCATION	Previous year	2014-2015	31450	0	0	1250	32700	0	32700	32700	GUEST HOUSE FUND	Antalous year	20102-4103	643199	0	770150	3/949	DESTRUCT	0	150	1451148	1451298			(A. Gopal Mugertry&
OLOGY, AGARTALA YEAR ENDED ON 31	SCHOOL OF CONTINUING EDUCATION	Current year	2015-2016	32700	0	0	1321	34021	0	34021	34021		Ourrent year	2010-010	1451148	0	881200	4000000	4004014	0	0	2402892	2402892						TACALS.	Dv. Debasish Shattacharya
WIND THOMAL INSTITUTE OF TECHNOLOGY, AGARTALA TURE ACCOUNT FOR THE PERIOD / YEAR ENDED ON 31.03.2016		Schedule											ampanag											: : -	MILES	No.	N.	(TALA JEE)	/k/#	
NAMES OF EACH OF STATES ACCURATE AND EXPENDITURE ACCURATE		Particulars	INCOME	1. Opening Balance: S.B. A/c	2. Income from Sales / Services-	Fees / Subscriptions	Interest Earned-S.B.Accounts	OTAL	ank Charges	Bank Balance (S.B. A/c)	TOTAL	,	LATICHIAN	Opening Balance:	S.B. A/c	Income from Sales / Services-	3. Fees / Subscriptions	4. Interest Earned-S.B.Accounts		EXPENDITURE	Bank Charges	ank Balance (S.B. A/c)	TOTAL	For	KOUSHIK DEBNATH & ASSOCIA		ON	(CA Koushik Debnath)		

SHORT THE WAY THE TANK THE TAN		NIT TRAN	NIT TRANSPT HOUSE FUND
Particulars	Schedule	Current year	Previous vear
		2015-2016	2014-2015
1. Opening Salance: S.B. A/c		270327	211629
Salas / Sameria		10	
3. Pees / Subscriptions		3500	49659
ed-S.B.Accounts		11020	9339
		284847	270627
İ	:	:	
	!	20	300
Bank Balance (S.B. A/c)	7	284797	270327
		284847	270627
		-	TEQIP FUND
Particulars	Schedule	Current year	Previous year
		2015-2016	2014-2015
1. Opening Balance: S.B. A/c		22910066	34940034
1		0	15700000
3. Fees / Subscriptions		972235	1226624
4. Interest Earned-S.B.Accounts		828953	1121475
	+	24711254	52988133
EXPENDITURE		15148542	30075529
		912	2538
Bank Balance (S.B. A/c)	<u></u>	9561800	22910066
	+	24711254	52988133
		:	
(Chartered Accountants)			
	:		 g-
H		Catagor Branch	(A. Gobal Mugaraya
N	_	The contract of the contract o	The state of the s

TATEMENTS [NON- PROFIT ORGANISAN MAL INSTITUTE OF TECHNOLOGY, AGA PART OF BALANCE SHEET AS AT 31.03 PART OF BALANCE SHEET AS AT 31.03 Current Year 2015-2016 6470012674 652046174 Fred Registral	RM OF FINANCIAL STATEMENTS INON- PROFIT ORGANISA: ne of Entity: NATIONAL INSTITUTE OF TECHNOLOGY, AGAIEDULES FORMING PART OF BALANCE SHEET AS AT 31.03 FUND: Carrent Year 2015-2016 6470012674 64398113) count. 1016-1016-1016 1016-1016		track 2016 (Amount - Rs.)	Previous Year	4427264376	(124221839)	6470012674	Di. Gopal Mugeraya Tiffesion, All Tydertalis
NATIONAL INSTITUTE OF UMING PART OF BALANCE UNING PART OF BALANCE Transferred Tr	FORM OF FINANCIAL STATEMENTS [NON Name of BALAKUE OF SHEDULES FORMING PART OF BALANCE SHEDULES FORMING PART OF BALANCE SHEDULES FORMING PART OF BALANCE India Search of Endowment Fund that Income Expenditure Transferred TEAR - END	PROPIT ORGANISATI	TECHNOLOGY, AGAR	Current Year	6470012674	(84398113) (84398113)	7037660735	
	FORM OF FINAL Name of Britty: SHEDULES FOR SHEDULES FOR SHEDULES FOR SHEDULES FOR THE YEAR FORM OF FINAL STEAR - END TEAR - END	SCIAL STATEMENTS (NON	NATIONAL INSTITUTE IN THE INC.			transferred		

Distriction Charles and a Conference of the Conf	FUND WISE BRAKE UP	BRAKE UP	TOTALS	
SCHEDUEL 2- DESIGNATED / EARMARKED FUNDS	Current Year	Previous Year		
	2015-2016			
a) Opening Balance of the Funds	134795272	0	134795272	
b) Additions to the Funds:			<u> </u>	
I Donations / Grants From ALCIE Wand for Conits Assets for the Releases	640450564	6853318130	0	
Total of Capital Assembly to Desire Street	652046174	6590829185	7242875359	
Mot Dund for Conitol Assets(to to Bolonce Cheet)	05 86 6103	262489047	25000227	
of Fund for Capital Assets(u. to parameteristic)	(43,00,01)	200120	100404664	
Fund for Revenue Purpose(tr to Income of Expenditure A/C)	300438	204800	962508	
II) Income from Investments made on account of funds			5 6	
III) Other additions (specify nature)	(0 000	
a) Fund from DHE, Govt of Tripura(DONER Project)	0	112537000	112637000	
b) Bank Interest(S.B. A/C)(Forming part of Sch.12)	5342545	62761923	68104468	
IV) Others Income	0	12551056	12551056	
V) Advance Received back from Parties	ō	0	0	
VI) Fund for Virtual Class Room	0	1195524	1195524	
VII) Grant from NMEICT	0	448873	448873	
TOTAL (a+b)	138051643	452448183	590499826	
c) Utilisation / Expenditure towards objectives of funds				
I) Capital Expenditure	_	•		
-Fixed Assets		_	•	
Vehicle		1686081	1686081	
Electric Instalations	472836	33422075	33894911	
Hostel Building, quarters etc		24896321	24896321	
Const. of Ladies Toilets		115284	115284	
Furniture & Fittings	12107647	103321924	115429571	
Equipment & Machinery-Grass Cutter	-	40000	40000	
Computer & Accessories	2645467	74744571	77390038	
Plant & Machinery		385000	385000	
Generator		21000	51000	
Machinery & Equipments-Air Conditioner	•	4961678	4961678	
Equipment & Machinery	20253321	631046733	651300054	
EPBX Machine	-	409937	409937	
Books & Journals		3032073	3032073	
`	(8862268)	23580479	14718211	
Const of Boundery Wall	(45291313)	65421346	20130033	
Type II & III Querters	1829565	31148960	32978525	
70)	45291313	009566	46286913	
		18621297	18621297	1
16s	-	23151901)	23151901	
Academic, Library Building	_	136098725	136098725	سوا

																																			•						
631 <u>6</u> 3243 441198	8862268	1264545737	192830778	40800000	8105457	785976	8614183	23221691	Ö	1801227	429760	2698969	31943969	393179862	10447478	550451659	332854872	559218130	462028979	286624924	-	179821209	725602710	42523002	000000	5868452	3110	2306504	5459883	1018605	778822	372575151	100000000	7040010000	60000000000		4234497155	324272301	0015	Dr. Ochal Mugeraya	Director,
• • • • • • • • • • • • • • • • • • •	0	0	0	0	0	0	ō	213078320.	1264545737	9906684	785976	5010888	11943969	375112362.	10447478	436366415	291854872	541219154	453246342	286624924	7047117	104245739	426103823	42523002	2000000	1400170	843020	2306504	5459883	1018605	778822	372575151	0000000111	201620020	0016700600		4349809450	262637806	5100		
• • • • • • • • • • • • • • • • • • •	8862268	1264545737	192830778	40800000	8105457	785976	8614183	(189856629)	(1264545737)	(8105457)	(356216)	688081	20000000	18067500		114085244	41000000	17998976	8782637	_	(7047117).	75575470	299498887		1408000000	(40900000) 4468282	(839910)						10000000	47.104.0250	1000000		147265505	61634495	0	Or Debusish Bhattachary	Registran, Mit, Agentals
Ne pri grafficial penta Sports Equipments	Workshop	Boys & Girls Hostel	Internal Road	33 KV Sub Station	Main Gate & Auxilery Gate	Basket Ball	Central Stores	Const of Internal Road	Canst of Boys & Girls Hostels	Const of Main Gate & Sub Gate	Const of Basket Bail Cort	Const of Watch Tower & Security Barrack	Const of Market Complex	Const of School of Management	Const of Sewarage Treatment Plant (STP)	Const of Sports Complex	Const of Central School	Const of Housing & Guest House	Const of Admn Block & Seminer Hall	Const of Central Library	Const of Central Stores	Const of H4B Building	Const of 1500 Beded Boys Hostel	Const of Duplex Building	Const. of Bodiestal Person Street, 493277	Const. of Dedicated Power Supply(33AV) Const of SOOKVA Substation	Const of Internal Electrification	Const. of Hostel Building	Const. of Admn Building & Class Room	Const of Multipurpose Building	Const of Security barrack	Const of Computer Centre	Const of Central Plaza	MIOI.	DEBINA	Others	Advance to Parties(Schedule ZA) Less: Adjustment Tr to Fixed Assets (* AGARTALs)	CH	Security Deposit to THECL	AND ACCOUNT	ê

2649771 0 0 0 0 0 0 0 0	265292677 326927172 0 0 115296 250000 750000 364860 865296 266657537 327792468 134795272	Let Goppl Mugeraya Director, NIT, Agertalfa.
00000	1) 6 1634495 265292 10 436 114 500000 250 14211+2111 500410 265657 14211+2111 75916712 1347992 1477952 1	D. Gebrarin R Repierrar, R.T. Agartala
Stock in Transit: Machinery & Equipments Networking in Transit Computer & Accessories Furniture & Fittings in Transit Exp. For Virtual Class Room Exp. For NMEICT		(Japaniyol Ray) ACARTA(A FEB DO. 1. Agarina. T. Agarina.

10 10 172764 172764 13 172764 13 172764 13 172764 13 172764 13 172764 13 172764 13 172764 1	SCHEDUEL 2 A. DETAILS OF ADVANCE TO PARTIES	Current Year	Previous Year	Adjustment	TOTAL
Control of Boundery Wall Control of Boundery Wall Control December Control of Administrative Building & Others Panel of Administrative Building 1727644 172764 172764 172764 172764 172764 172764 1727644 172764 172764 172764 1727644 1727644 1727644 1727644 1727644 1727644 1727644 1727644 1727644 172764		2015-2016	2014-2015	tr to Fixed Assets	
Count of Boundery Well 172764 17		(1)	(2)	(3)	(1+2-3)
** CSE I 68900000 27945128 41000000 1280000 1280000 1280000 1280000 128000000 12800000 12800000 12800000 12800000 12800000 12800000 128000000 12800000 12800000 12800000 12800000 12800000 12800000 128000000 12800000 12800000 12800000 12800000 12800000 12800000 128000000 12800000 12800000 12800000 12800000 12800000 12800000 128000000 128000000 12800000 12800000 12800000 12800000 12800000 12800000 128000000 12800000 12800000 12800000 12800000 12800000 12800000 128000000 12800000 12800000 12800000 12800000 12800000 12800000 128000000 12800000 12800000 12800000 128000000 12800000 12800000 12800000 12800000 128000000 128000000 128000000 128000000 128000000 1	ance to:				
172704 172704 1560100 1560100 1560100 1560100 1560100 102000000 10200000 10200000 10200000 10200000 10200000 10200000 102000000 10200000 10200000 10200000 10200000 10200000 10200000 102000000 10200000 10200000 10200000 10200000 10200000 10200000 102000000 10200000 10200000 10200000 10200000 10200000 10200000 102000000 10200000 10200000 10200000 10200000 10200000 10200000 102000000 10200000 10200000 10200000 10200000 10200000 10200000 102000000 102000000 10200000 10200000 10200000 10200000 10200000 10200000 102000000 102000000 102000000 102000000 102000000 10200000000	D. Deptt(Const of Boundary Wall)		0		0
1560100 7640420 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S.N.L.(Call User Group-CUG)		172764	_	172764
1560100 1560100 1560100 1000000 10000000 101265505 1265505 1265505 1265505 1265505 1266582 12665830 12665830 12665830 12665830 12665830 12665830 12665830 12665830 12665830 12665830 12665830 12600000 1262637806 147265505	D. Deptt(Repairing of Administrative Building)		0		O ,
## CSE 68900000 10000000 1280000 1280000 1280000 128000000 12800000 12800000 12800000 12800000 12800000 128000000 128000000 12800000 12800000 12800000 12800000 12800000 128000000 12800000 12800000 12800000 12800000 12800000 12800000 12800000 12800000 12800000 12800000 12800000 12800000 12800000 12800000 12800000 12800000 128000000 128000000 12800000 12800000 12800000 12800000 12800000 12800000 12800000 12800000	D. Deptt(Hostel Building & Others)		0		0
2695300 2695300 10200000 10265505 12650000 12600000 12800000	C. Ediron Kemoval Flamu		2010057		1350100
tic Tank) se IV) gs) t) 2695300 t) 2695300 10260000 10260000 t) 1265505 12600000 12600000 12800000 12800000 12800000 12800000 128000000 128000000 128000000 128000000 128000000 128000000 128000000 128000000 128000000 128000000 128000000 128000000 128000000 128000000 128000000 128000000 1884402 1884402 1884402 1884402 18848402 188888888888888888888888888888888888	pura Housing Board,Academic Building, Library) RCI "Dedicative Power Supply	-	7640420		0240420
pric Tank; shop) tral Computer Centre & CSE I 68900000 1000000 1280000 1280000 1000000 1000000 12851962 ad	D. Deutt(Auditorium)	-	0	_	0
m 0 0 0 0 0 0 0 0 0	D. Deptt(Boundery Wall & Septic Tank)		0	_	0
m 0 0 0 0 0 0 0 0 0	D. Deptt(Boundery Wall & Type IV)		0		0
1000000 10000000 100000000	D. Deptt(Multipurpose Buildings)		0		0
m) cert) complex; com	D. Deptt(Security Barrak)		0		O
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As at the Previous year- end	As at the Current year- Peend	Total up to the year-end	On deduction s during the year	On Additions during the year	As at the beginning of the year	Cost/valuation at the year-end	Deductions during the year	Additions during the year	Cost/ valuation As at beginning. of the year	
	NET BLOCK	ABSETS	CAPITAL	ADJUSTMENT (TR. TO CAPITAL ASSETS)	ADJUSTIN		OCK	GROSS BLOCK		i
17131941	11847972	147385543	0	7126737	140258806	159233515	0	1842768	157390747	
17131941	11847972	147385543		- 7 <u>1</u> 26 <u>737</u>	140258806	159233515	!!!!	1842768	157390747	40%
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FORM OF FINANCIAL STATEMENTS (NON. PROFIT ORGANISATIONS)
Name of Entity: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA
SHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2016

		(Amount - Rs.)
SCHEDULE 5- INVESTMENTS FROM BARMARKED /	Current Year	Previous Year
ENDOWNENT FUNDS:	2015-2016	2014-2015
1) In Govt securities	0	0
2) Other approved Securities	0	0
3) Shares	0	0
4) Deventures & Bonds	0	0
5) Subsidiaries & Joint Ventures	0	0
(6) Others (to be specified)	0	0
TOTAL:	0	0

		(Amount - Rs.)	
SCHEDULE 6- INVESTMENTS - OTHERS	Current Year	Previous Year	
	2015-2016	2014-2015	ĺ
1) In Govt securities			ı
a) F.D. with Canara Bank, Agartala Br.	0		0
b) F.D. with S.B.I., NT Agartala Br.	0		0
2) Other approved Securities	•		_
3) Shares			•
4) Deventures & Bonds	-		0
5) Subsidiaries & Joint Ventures			$\overline{}$
6) Others (to be specified)			$\overline{}$
TOTAL	0		_
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San Contraction	F	P. T. Agertals.	

SCHEDULB 7 CURRENT ASSETS	Current Year		Previous Year	ar
Current Assets:	2015-2016		2014-2015	
1) Inventories:			;	
a) Stores and Spares Stock in Transit		·	:	
NON-PLAN FUND	<u> </u>	<u> </u> 		
PLAN FUND				
Machinery & Equipments	0	:	· · ·	2649771
b) Loose Tools				
c) Stock in Trade		<u> </u>		İ
Finish Good				
Work in progress	:			
2) Sundry Debtors:				
al Debts Outstanding for a period exceeding six months	· · · · · · · · · · · · · · · · · · ·	<u> </u>		
b) Others		100		190
3) Cash balance in hand/including cheques / Drafts and Imprest	rest	<u>9</u> !		5
Closing Cash Balance Non Plan	272414		1523727	
Closing Cash Balance- Plan	0	272414	67780	1591507
4) Bank Balances: a) With Scheduled Banks			 - 	
- On Savings Account		<u> </u>	-	
Canara Bank- Non Plan A/c No- 876	448955		448955	
ings Accounts			. ;	
SBI, NITA BrNon Plan(A/c-30369892838)	21933333		42214178	
SBI, NITA BrPlan(A/c-30358199684) Canara Bank Agt BrPlan (A/c-9007)	119477649		181068495	
SBI, NITA BrN. P. S. Fundia/c-30471674447	93234		35437	
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CHAMP (Specific and)	NES+	· • Languages	A CONTRACTOR	
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597539237		573480845		TOTAL TOTAL
	· 		+	counts:
	 			On Savings Accounts
				- On Deposit Account
i				- On Current Account
				b) With Non Sheduled banks
787815517	4/211/82	351850545	05383090	rixed Deposit with 1GB MIIA Br-inst. Dev. rund
0.0000	17046710	14000000	183/8390	Fixed Deposit with SBI Agt BrEMD & Security Deposit
	30000	-	30000	Fixed Deposit with 551 Agt BrMoutoshi Kar Memorial
	784/8/32		6005000	Fixed Deposit with Itab MITA Br-SDr Fund
	7534204	<u>!</u>	8216977	Fixed Deposit with TGB NITA Br-Int. Dev Fund
	40013949		2620000	Jeposit with 351 Agt Drrabr Fulld
	59333605		63876540	Fixed Deposit with SBI Agt BrNPS Fund
	22162525		26506381	Fixed Deposit with Canara Bank, Agt. BrGeneral A/c
:	3004085		3283715	Fixed Deposit with SBI Agt BrGeneral A/c
-			·	On Deposit Account(Including Margine Money)
310477247	22910066	221352786	9561800	SBI, NITA BrTEQIP Fund(A/c-32067844633)
 	270327		284797	SBI, NITA BrNIT Transit House Fund(A/c-31092166195)
	1451148		2402892	SBI, NITA BrGuest House Fund(A/c-31664487420)
	32700	!	34021	SBI, NITA BrSchool of Cont. Edu.(A/c- 30939795485)
	332482		345914	SBI, NITA BrDirector's Relief Fund(A/c-31536875510)
	798897		632390	SBI NITA BrStaff Benefit Trust(A/c-31509918149)
	7172	<u> </u>	21754	SBI, NITA BrNSS Unit(A/c-30786417404)
	1839361		2357249	SBI, NITA BrDPF(Civil)(A/c-30534090278)
:	63867	:	84172	SBI, NITA BrStaff Welfare Fund(A/c-30534092027)
i	25463539		21374858	SBI, NITA Br. SDP Fund(A/c-30773081908)
<u> </u>	708755		767724	TGB, NITA Br. Inf. Dev Fund(A/c-8026010030064)
	12459872	<u> </u>	13271183	SEI, NITA BrEMD & Security Deposit(A/c-30936141729)
	624121		3645228	SBI, NITA BrInst. Dev. Fund(A/c-30534091012)
İ	985732		1537670	SBI, NITA BrStudent Welfare Fund(A/c-30534089717)
	14963180		20142229	SBI, NITA BrR. B. Fund(A/c-30693303036)
 	4479422		2916193	SBI, NITA BrProject Fund(A/c-30533908751)

St. No. Date of Deposit Certificate / Account No. Amount(East Maturity date. Ma
SIT ACCOUNTS aunt No Amount(Rs) 3239960 43755 6345 63471 43755 6346 64871 64871 64871 6368001 64871 6368001 64871 6368001 64871 6368001 6368001 6368001 6368001 6368001 6368001 6368001 6368001 637839 6368001 637839 6368001 637839 6368001 637839 6368001 637839 6368001 637839 637839 6387839 6387839 6387839 6387839 6387839 6387839 6387839 6387839 6387839 6387839 6387839 6387839 6387788
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5372475	5372475	5372475	5372475	5372475	5372475	5372475	92408194			2599167	505545	188221	799488	835995 8151	320364	329364	329294	328570	306784	331962	340336	341447	341097	339284	334553	3280781	340217	569804	357766	357810	53925	364760	916034	540977	542135	741418	1067349	748940 SBI,	753876	750803		
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31.03.2017	31.03.2017	31.03.2017	31.03.2017	31.03.2017	31.03.2017	31.03.2017				02.04.2017	16.04.2017	03.09.2016	17.09.2016	23.10.2016	27 01 2017	27.01.2017	13.02,2017	26.03,2017	18.04,2015	25.05.2016	11.06.2016	22.07.2015	26.08.2016	15.09.2016	12.11.2016	18.12.2016	27.01.2017	06.02.2017	26.03.2017	28.05,2016	03.06.2016	15.06.2016	29.07.2016 - 20.08.2016	22 00 2016	21.10.2016	12.11.2016	09.12.2016	18.01.2017	21.02.2017	24.03.2017	**************************************	Or Debasish Brattachark
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356659781	35665977821	35665977355	356659769	35665976500	356559761	35665975868	TOTAL		lier-1	30359167844	30452528964	304770896	30494319962	30536974539	305/2095/50	30659223516	30679572359	30723233180	307414504	30772790529	30790483174	30833062025	308690201	30894559896	30954910750	30995065723	31036380751	31048976850	31110608821	31149019728	31195703339	31211169672	31295128285	31438847	31473011005	31498348868	315319004	315904827	316386191	31683863		. Danel
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31.03.2016	31.03.2016	31.03.2016	31.03,2016	31.03.2016	31.03.2016	31.03.2016			Pension Scheme Fund-Tier-1	02.04,2014	16.04.2014	03.09.2015	17.09,2015	23.10.2015	27 01 2015	27.01.2016	13.02.2016	26.03.2016	18.04.2015	25.05.2015	11.06.2015	22.07.2015	26.08.2015	16.09.2015	12.11.2015	18.12.2015	27.01.2016	06.02.2016	26.03.2016	28.04.2015	03.06,2015	15.06.2015	29.07.2015	2102.00.02	22.09.2015	12.11.2015	09.12.2015	18.01.2016	20.02.2016	24.03.2016		
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745210 SBI, NITA Br.	SBI, NITA Br	SBI, MTA Br.	- 4	٠.	SEI MITA ET	SRI MITA R	SBI, NITA Br	SBI, NITA Br	721251 SBI, NITA Br	727618 SBI, MITA Br	783076 SBI, NITA Br	SBI, NITA Br	951532 SBI, NITA Br	1124320 SBI, NITA Br.	SBI, NITA Br	SBI, NITA Br.	SBI, MITA Br	SBI, NITA Br	SBI, NITA Br	170014 SEL NITA EL	1081649 SBI, NITA BE	SBI, NITA Br	SBI, NITA Br	173279 SBI, NITA Br	1108971 SBA, NITA BE	SHI NITA B	SBI, NITA Br.	SBI, NITA Br	SSOCIAL SEL NITA BE	SBI, NITA Br	1 135350 JSB1, MILA BI	SBL NITA Br	SBI, NITA Br	SBI, NITA Br	SBI, NITA Br	SBI, NITA Br	SBI, NITA Br	-	SBI, NITA Br	+	,	2.5
745210	1493647 SBJ,	741381			70880				721251	727618	783076	1002105 SBI,	951532	1124320		1082827			1234042	11/0014	1108164		1134061	1173279	1100971	1235839		1243206	1220778	1222142	10000001	1200958	1220736	1250964	1238294	1292904	1277865	1275068	1272772 SBI	68335095	_	
12.05.2016	22.07.2016	07.09.2016	21.09.2016	16.11.2016	16 19 2016	20 01 2017	16.02.2017	22,03,2017	11.04.2016	11.05.2016	29.06.2016	19.07.2016	30.08.2016	22.09.2016	12.10.2016	16.11.2016	07.12.2016	11.01.2017	19.02.2017	07.03.2017	11.05.2016	19.07.2016	19.07.2016	21.08.2016	12.09.2016	13.11.2016	11.12.2016	02.01.2017	13.02.2017	10.03.2017		09.06.2016	09.07.2016	19.08.2016	15.09.2016	27.10.2016	26.11.2016	11.12.2016	14.01.2017		一	Or, Debasiah Bhattacharya
694554	1395669	694370	670136	669175	700000	408779	739020	712191	670577	678158	673430	864136	891205	981255	954695	1016401	1018999	991980	1157923	6666011	1032833	1072885	1063433	1098899	1116004	1160033	1157229	1166630	1145489	1146712	1110317	1119317	1137900	1171785	1159761	1213630	1199455	196523	C N94347	\$8876540		1160/
31744689276	31847516759	31926034223	31950668862	32036725156	220303000378	30150080442	32194047063	32249818696	32280294988	32327269715	32401165700	32435516795	32509160200	32560299037	32599643066	32659511373	32697478395	32764700868	32834658624	32868656275	32939260002	33139988769	33139997241	33225984529	33289073330	33447651803	33513368081	33556271054	33654581837	33714504141	226242245	33885767374	33951373023	34052685763	34193289361	34340260470	34431831658/2014	34483805686	3460133974337	TOTAL		¥
12.05.2015	22,07,2015	07.09.2015	21.09.2015	16,11,2015	16,11,2013	20.01.2013	16,02.2016	22.03.2016	11.04.2015	11.05.2015	29.06.2015	19.07.2015	30.08.2015	22.09.2015	12.10.2015	16,11,2015	07.12.2015	11.01.2016	19.02.2016	07.03.2016	13.04.2015	19.07.2015	19.07.2015	21.08.2015	12,09,2015	13.11.2015	11.12.2015	02.01.2016	13.02.2016	10.03.2016	10.04.2013	09.06.2015	09.07.2015	19,08.2015	15.09.2015	27,10,2015	26,11,2015	11,12,2015	14,01,2016	2	<u>}</u> . ₹	(Jagatiyoti Roy)

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	2558903 TGB NITA Br.	3412202 TGB NITA Br.	TOB	4265253 TGB NITA Br.	1706100 TGB NITA Br.	2559542 TGB NITA Br.	2388908 TGB NITA Br.	2218270 TGB NITA Br.	2047634 TGB NITA Br.	1876995 TGB NITA Br.	1876996 TGB NITA Br.	1876996 TGB NITA Br.			1876996 TGB NITA Br.	1706362 TGB NITA Br.	1365089 TGB NITA Br.	1024819 TGB NITA Br.	683212 TGB NITA Br.	341291 TGB NITA BE.	7135839 TGB NITA Br.		7240010 TGB NITA Br.	_		-	_	1448000 TGB NITA Br.	2204511 TGB NITA Br.	88198257		2294150 TGB NITA Br.	2294150 TGB NITA Br.		1147074 TGB NITA Br.		1147074 TGB NITA Br.	917728 TGB NITA Br.	-	+-	231520 TGB NITA Br.	253699 TGB NITA Br.	Δ	11726747	ا
	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.05.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	08.06.2016	25.02.2017			08.06.2020	08.06.2020	08.06.2020	08.06.2020	08.06.2020	08.06.2020	08.06.2020	08.06.2020	08.06.2020	08.06.2020	25.02.2017			・ローニタでは
	2335280	3114010	4671014	3892512	1557004	2335864	2180141	2024415	1868691	1712964	1712965	1712965	1712965	1712965	1712965	1557243	1245794	935260	623506	311466	6512238	6607310	6607305	6607305	5285843	3964382	2642921	1321459	2041627	80520379		1506539	1506539	753269	753269	753269	753269	602660	452012	301342	152036	234954	E 7 / 7.	82169L	1/2/
	459	460	461	462	463	476		478	479	480	481	482	483	484	485	486	487	488	489	490	8026142100058	8026142100067	8026142100076	8026142100085	8026142100094	8026142100100	8026142100119	8026142100128	8026142103578	TOTAL			467	468	469	470	471	472	•		475	80261421	F AGAR	TOTALO	7/8/
ored Project Fund	31,03,2015	31.03.2015	31.03.2015	31.03.2015	31,03,2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	25.02.2016		Infrastructural Development Fund	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03.2015	31.03,2015	31.03.2015	31.03.2015	31.03.2015	25.02.2016		*	7

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475	306	3968	316	237	1584	: 262	1956	1958	5794	579	579	579	5796	77.	537		537	70391094		1958	1050	1930	195	1958	1958	1958	1958		1958	10586060		 - -	3		385078205			
08.06.2016	2100 90 80	08.06.2016	08.06.2016	08.06.2016	08 06 2016	08.06.2016	06.02.2017	06.02.2017	12.03.2017	12.03.2017	12.03,2017	12.03.2017	12.03.2017	25.02.2017	31.03.2017	31.03.2017	31.03.2017			06.02.2017	2100 00 90	06.02.2017	06.02.2017	06,02,2017	06,02,2017	06.02.2017	06.02.2017	06.02.2017	06.02.2017			 	07.11.2016					ingrafys f. the.
4339210	3616008	3616008	2892805	2169606	1446403	723909	18362111	1837839	5438740	5438740	5438740	5438740	5438740	113991	2000000	2000000	5000000	65385690		1837839	1837830	1837839	1837839	1837839	1837839	1837839	1837839	1837839	1837839	18378390			30000		351850545			Or, Debasiah Bhaltar, Regierrar, Not. Agartata
509 pun	0.5	311	512	250	514	515	33642377597	33642378738	34783371607	34783371562	34783371459	34783371051	34783369621	8026142103596	35665970393	35665969151	35665968884	TOTAL		33642378772	22640278000	33642378976	33642379038	33642378107	33642379232	33642379301	33642379436	33642379538	33642379606	TOTAL			34732977775		GRAND TOTAL	THE PARTY.	Service Control	SS (VINIALA)
nstitute Development F	1500 80 16	31 03 2015	31 03 2015	31 03 2015	31 03 2015	31 03 2015	06.02.2016	06.02.2016	12.03.2016	12.03.2016	12.03.2016	12.03.2016	12.03.2016	25.02.2016	31,03,2016	31.03.2016	31.03.2016		vii) EMD & Security Deposit Fund	06.02.2016	06.00 0016	06.02.2016	06.02.2016	06.02.2016	06.02.2016	06.02.2016	06.02.2016	06.02.2016	06.02.2016			viii) <u>Moutoshi Kar Memorial</u>	31.12.2015				<i>**</i>	(Sepaliyot Roy) Assu. Registrar (Findings)

SCHEDULE 8 LOAN, ADVANCES & DEPOSITS 1. Advance to employees: (Non-interest bearing) a) Salary b) Redical Advance c) Medical Advance d) Other (to be specified) 2. Long Term Advances to employees: (Interest bearing) a) Vehicle loan b) Home loan c) Other (to be specified) c) Other (to be specified) d) Advances and other amounts recoverable in cash or in kind or for value to be received. a) On Capital account. RD Deptt(Hostel Repair & Maints) RD Deptt(Electrification) RD Deptt(Const of Security Barrack)	Current Year 2015-2016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Previous Year 2014-2015	
broute 8 Loan, advances & Deposition Ivance to employees: (Non-interest bearing) Salary Nedical Advance Other (to be specified) Other (to be specified) Nelicle loan Other (to be specified) Home loan Other (to be specified) Other (to be specified) Other (to be specified) Other (to be specified) Other (to be specified) Other (to be specified) Other (to be specified) Rances and other amounts recoverable in cash or in kind or alone to be received. On Capital account. RD Deptt(Hostel Repair & Maints) RD Deptt(Electrification) RD Deptt(Const of Security Barrack)	2015-2016 2015-2016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		2014-2015 2014-2015	
Salary Salary Festival Medical Advance Other (to be specified) Dig Term Advances to employees: (Interest bearing) Vehicle loan Home loan Other (to be specified) Vehicle loan Home loan Other (to be specified) Other (to be specified) Other (to be specified) Other (to be specified) Other (to be specified) Other (to be received. On Capital account. SD Deptt(Hostel Repair & Maints) RD Deptt(Electrification) RD Deptt(Const of Security Barrack)			2000000	
Salary Pestival Medical Advance Other (to be specified) Nehicle loan Home loan Other (to be specified) Vehicle loan Home loan Other (to be specified) On Capital account. RD Deptt(Electrification) RD Deptt(Electrification) RD Deptt(Const of Security Barrack)	000000			
Medical Advance Other (to be specified) org Term Advances to employees: (Interest bearing) Wehicle loan Home loan Other (to be specified) Other (to be specified) On Capital account. On Capital account. RD Deptt(Hostel Repair & Maints) RD Deptt(Const of Security Barrack)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		2000000	
Medical Advance Other (to be specified) orig Term Advances to employees: (Interest bearing) Vehicle loan Home loan Other (to be specified) dvances and other amounts recoverable in cash or in kind or alue to be received. On Capital account. RD Deptt(Hostel Repair & Maints) RD Deptt(Electrification) RD Deptt(Const of Security Barrack)	000000		2000000	
Other (to be specified) ong Term Advances to employees: (Interest bearing) Vehicle loan Home loan Other (to be specified) dyances and other amounts recoverable in cash or in kind or alue to be received. On Capital account. RD Deptt(Hostel Repair & Maints) RD Deptt(Electrification) RD Deptt(Const of Security Barrack)	5000000		2000000	
ving Term Advances to employees: (Interest bearing) Vehicle loan Home loan Other (to be specified) dyances and other amounts recoverable in cash or in kind or alue to be received. On Capital account. RD Deptt(Hostel Repair & Maints) RD Deptt(Electrification) RD Deptt(Const of Security Barrack)	7 000000		2000000	
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ital account. tt(Hostel Repair & Main tt(Electrification) tt(Const of Security Barn	2000000		2000000	' '
tt(Hostel Repair & Main tt(Electrification) tt(Const of Security Ban	2000000		2000000	
RD Deptt(Hostel Repair & Maints) RD Deptt(Electrification) RD Deptt(Const of Security Barrack)	2000000	<u> </u>	2000000	! !
RD Deptt(Electrification) RD Deptt(Const of Security Barrack)	 			
RD Deptt(Const of Security Barrack)	00	 	2121255	-
	•		0	
RD Deptt[Const of Market Complex]	٥	2000000	0	4121255
b) Prepaid Expenses	-	- 1	i	- 1
Loan to NIMCET Fund		ا ا ^ہ ا	. ! ; ;	ਰ! !
c) Others	 			·
Tamporary Advance to Sundry Parties		724012	! ! !	1284332
LTC Advance to Employees	 	172300	! !	12000
4) INCOME ACCRUED				!
a) On Investment - Others.				
i) Interest on Pixed Deposit-General A/c	253372		2277578	
ii) Interest on Fixed Deposit-SDP Fund	0	253372	0	2277578
5) CLAIMS RECEIVEABLE				
Fund receiveable from EMD A/c				
For Non Plan	1602777	 	 - - -	
- For Plan	2550302	4153079	0	
	_	7302763		7695165
ATE TO SECOND A SECON			Ja	
(3) (美)	Or Defression Bhousans		Dr. Gopai Miugenaya	
	Programmy Programmy Registrary,		Director,	

Name of Entity: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA	ntity: National institute of technology, agartala f of income & expenditure for the period/ year e	OGY, AGARTALA	
OULE 9 - ACADEMIC RECEIPTS demic Collection and Rese (Subscription		PERIOD/ YEAR END	ED 31.03.2016
SCHEDULE 9 - ACADEMIC RECEIPTS Academic Collection Academic C		(Amount - Rs.)	
lemic Collection	Current Year	Previous Year	i
emic Collection	2015-2016	2014-2015	
of Boon / Suberrinting	244218050	177216930	
4/ Annual rees / Subscription 3] Seminer / progrum Fees			· ·
4) Consultancy Fees 5) Others (Specify)-	i i		!
	!	0	
TOTAL	244218050	177216930	
THE DEBUTY		0	
		 	
- - 1	Or Debasish Shattachary	No.	Son Mugeraya
	Registrar,	7,715	NIT, Apartaha
	:	! ! !	
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			i i
	- - - -		
	†	!	

5 31.03.2016	- 1 									l l		!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!		 									1 1			Copal Mugafaya Director
TECHNOLOGY, AGARTALA OR THE PERIOD / YEAR ENDER	(Amount - Rs.)	Previous Year	2014-2015		150000000	0			0		a · · · · · · · · · · · · · · · · · · ·	150000000	(Amount - Rs.)	Previous Year	2014-2015		0		-				i i l		0	Hardes.
STITUTE OF TECHNOLA	 	Current Year	2015-2016	- - - 	230000000	0	0	:				230000000		Current Year	2015-2016			0	0		.				0	Or. Debasish Bhattachara Recistors
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD / YEAR ENDED		SCHEDULE 10 - GRANTS / SUBSIDIES		(freevocable Grants & Subsidies received)	1) Central Govt. Draw MIDD, Non Dian	b) From AICTE	c) Central Counselling Fees-MHRD	2] State Govt.	Institution / Welfare bodies	International Organisations	otners (Specify)	TOTAL		SCHEDULE 11 - INCOME FROM INVESTMENTS		1) On Term Deposits:	a) With scheduled Banks- Non-Plan Fund	State Bank of India, NIT Agartala Br.	Canara Bank, Agartala Br	c) With Institutions	d) Others	2) On Loans:	a) Employees / Staff	9) Outers 3) Interest on Debtors and Other Receive bles		Carlot A 12 70 10 10 10 10 10 10 10 10 10 10 10 10 10

1 •

Name of Entity: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/ YEAR E	FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS) Name of Entity: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA MING PART OF INCOME & EXPENDITURE FOR THE PERIOD / YEAR ENDED 31.03.2016	ORGANISATIONS OGY, AGARTALA PERIOD/YEAR ENI	 ded 31.03.2016
·		- (Amount - Rs.)	i i
SCHEDULE 12 - INTEREST EARNED	Current Year	Previous Year	
	2015-2016	2014-2015	
1) On Term Deposits:			
a) With scheduled Banks- Non-Plan Fund		0	
State Bank of India, NIT Agartala Br.	!	271870	
	2599280	2005708	i i !
b) With Non scheduled Banks	i i 		
c) With Institutions	:		
d) Others	 - - -	! ! !	! ! ! ! !
2) On Savings Accounts:			
With scheduled Banks			
Non-Plan Fund:			
Canara Bank, Agartala Br	O	0	 -
State Bank of India, NIT Agartala Br.	3270319	5493203	
Plan Fund:	- ! ! -	! 	
Canara Bank, Agartala Br	0	0 	
State Bank of India, NIT Agartala Br.	5291418	6302962	
Vith Non scheduled Banks		0	
c) Post office savings Accounts	! 		· ;
d) Others	 		
3) On Loans:			
a) Employees / Staff			
b) Others			
i) Inft on Mobilization Advance(NCCL)	9690603	$\frac{5765753}{0}$	
4) Interest on Debtors and Other Receivables	0031200	30000001	i i ·
A SANATA		20000	
		CW	-
AGMRF 1	Control of the Contro		#An Jecone Reso
-	Or. Deposite chemical ya	3	ctor
		T 1-72	MIT Avertage

1.03.2016		-									 					 		: ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !		Dr. Gopal Mugernya. Drector, NT, Agantele.
RGANISATIONS) DGY, AGARTALA ERIOD/ YEAR ENDED 3	(Amount - Rs.)	Previous Year	2014-2015		: : : : : : : : : : : : : : : : : : : :	- - - - - - - - - - - - - - - - - - -	301074	0 - :	- - - - -	301074				(Amount - Rs.)	Previous Year	2014-2015	0			Regon '17.
INANCIAL STATEMENTS [NON- PROFIT ORGANISATIONS] IIIY: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA OF INCOME & EXPENDITURE FOR THE PERIOD/ YEAR ENDED 31.03,2016		Current Year	2015-2016	0	!		1624459	0	0 .	1624450		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	i :		Current Year	2015-2016	0			Cr. Cobassa Brack Alex Registration Street Angers 18
FORM OF FINANCIAL STATEMENTS NON- PROFIT ORGANISATIONS) Name of Entity: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD! YEAR E		SCHEDULE 13 - OTHER INCOME		A. Income from Land & Building	B. Sale of Institute's Publications	D. Others (Specify)-	alMisc Income	b) Recruitment Fees(Interview)	c) Sale of Tender Form	1 A FOR	**************************************				SCHEDULE 14 - PRIOR PERIOD INCOME		1. Academic Receipts	3. Interest earned	4. Others (Specify)-	TOTAL (September 1975) (Sept

ISATIONS) AGARTALA EAR ENDED 31.03.2016	(Amount - Rs.)	Previous Year	2014-2015	458605		<u>0</u>	0			i i i i i i i i i i i i i i i i i i i	· · · · · · · · · · · · · · · · · · ·	:		4405082	4863687					4552682	0	0		4550589		311005		
FORM OF FINANCIAL STATEMENTS (NON- PROFIT ORGANISATIONS) Name of Entity: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA FORMING PART OF BALANCE SHEET FOR THE PERIOD/ YEAR ENDED 31.03.2016	- (Amc	ī	2015-2016 20	311005	· ! ! ! ! ! !	0	0		0 !				· · · · ·	2869255	3180260					2785170				2785170	 -	395090		#Eŝ
SCHEDULES FORMING PART OF BALANCE		SCHEDULE 13A - STIPEND FUND	RECEIPTS	Opening Balance	1) State Govt. hund for Supend	a) SC Welfare Deptt-SC Stipend	SDM-ST Stipend	d DHE- NEC Stipend	e) Post Madhyamik & OBC	f) ST Welfare Society	Z) GOVI. Agenoles	al NEC-Shillong-national Scholarship	NEC-Smilong-Supera	3) Institution / Welfare bodies	TOTAL (i)	i .	EXPENDITURE:	NEC-Stipend	Post Madhyamik Stipend	Otherstate-Stipend	Post Matric Scholarship-SC & UEC	LIG-Stipend	Post Matric Scholarship-OBC	Refund to SDM(ST Stipend)		Net Amount (Tr. to Schedule 3)	(- - -	(V) V (V)

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/ YEAR ENDED 31.03.2016

		(remount - too)
SHEDULE 15 - STAFF PAYMENT & BENEFIT	Current Year	Previous Year
	2015-2016	2014-2015
a) Salaries and Wages		
i) Regular Faculty & Staffs	147852178	136063120
ii) Contractual Faculty & Staffs	96969677	73036364
b) Allowances and Bonus	_	664812
c) Contribution to Provident fund	_	•
d) Contribution to other funds (Specify)		
el New Pension Scheme Fund-Tier-I	6906883	6384753
f) Staff Welfare Expenses		9
g) Expenses on Empolyees Retirement and Terminal benefits		Ü
h) LTC Facility	2772293	3252538
ij Medical Facility	187435	192071
j) Children Education Allowance	2237283	759071
k) Other (Specify)		
1) Telephone Re-imbursement	105259	146733
2) CPDA	3002396	5558496
TOTAT	250033404)	226057958

			(Amount - Rs.)	
SHEDULE 16 - ACADEMIC EXPENSES		Current Year	Previous Year	
		2015-2016	2014-2015	
a) Laboratory Expenses		1804795	1257431	
b) Honararium to Visiting Examiner & others	thers	2970613	3790827	
c) Expenses on Workshop			133380	
d) Convocation Expenses		1454178	1989592	
e) Scholarship-Institute		69511564	43794263	
f) Others (specify)			0	
1) Contingency to PhD/M.Tech	STATE OF THE PARTY	867070	567224	
2) Expenses for Research Affairs		277975	O	
TOTAL	18/	76886195	51532717	
3	* (ACEPTALA) &		7	
3	/s/ B	STATE OF THE	V	
(Jagatiyoti Roy)		Or. Debasish Bharacharva	Or. CopaCatogeray	ı,
N. T. T. Agastala.	SO ACCOUNT	STORES HIN	NT Appril	٠

1185334 252810 86720883

4951288 105719153

Or Debasiah Bhattacharya

CHAR

17) Expenses for Golden Jubilee

18) Networking/Vset Expenses

Registrar,

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD / YEAR ENDED 31,03,2016 1495188 2185595 4583136 109500 1560394 15060 134468 1642600 99450 28500 389055 34050 740263 478004 25277214 260535 479134 13564537 27223875 4982181 Previous Year 2014-2015 (Amount - Rs.) Name of Entity: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA FORM OF FINANCIAL STATEMENTS (NON- PROFIT ORGANISATIONS) 60000 781531 3354004 1770605 4670975 28750 367335 21522 406515 100413 218170 1000001 8500 428491 2648211 5846132 .7099106 28600423 1082075 31148866 2026241 Current Year 2015-2016 SHEDULE 17 - ADMINISTRATIVE & GENERAL EXPENSES 14) Rent to PWD-Agartala Transit House 11) Games, Sports & Cultural Activity e) Travelling & Conveyance Expenses i) Telephone & Communication 3) Institution Membership Exp h) Advertisement and publicity 13) Statutory Audit Fees-A.G. 15) BOG Meeting Expenses 1) Miscellaneous Expenses 10) Networking Expenses 4) Recruitment expenses 5) Liveries 6) Security Services (Newspaper & Periodical 7) Gardening Expenses 8) Sweeping & Cleaning f) Expenses on Seminar d) Printing & Stationery g) Hospitality Expenses a) Electricity and Power 12) Internal Audit Fees 2) Medicine Expenses 16) Cable Charges k) Others (Specify) b) Water Charges 9] Lawyer Fees c) Postage

FORM OF FINANCIAL STATEMENTS (NON- PROFIT ORGANISATIONS) Name of Entity: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/ YEAR ENDED 31.03.2016

		(Amount - Rs.)
SHEDULE 18 - TRANSPORTATION EXPENSES	Current Year	Previous Year
	2015-2016	2014-2015
		030860
a) Registration, modified cut. for new car.		200
b) Transportation Expenses	257995	202267
c) Vehicle Repair & Maintenance	484337	352360
d) Fuel Charges	915388	1200836
e) Others (Specify)		
TOTAL	1657720	1989731

		(Amount - Rs.)	
SHEDULE 19 . REPAIRS & MAINTENANCE	Current Year	Previous Year	
	2015-2016	2014-2015	
a) Repair & Maintenance	4888311	2284031	
b) Repairs & Maints-Electricals	2217137	376243	
c) Repair & Maintenance - Building	2215381	1980750	
d) Repair & Maintenance - Computer & Accessories	2763908	1504687	
ej Others (Specify)		0	
TOTAL	12084737	6145711	
Habatyod Royl Assiii Rajariwa Assiii Aspariwa	thatbatteries	Copyl stugeraya Overbox, NIT, Agartela.	

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
Name of Eatity: NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2016 000 21355 000 21355 (Amount - Rs.) (Amount - Rs.) Previous Year (Amount - Rs.) Previous Year Previous Year 2014-2015 2014-2015 6787 000 000 0 6787 Current Year 2015-2016 Current Year 2015-2016 Current Year 2015-2016 Dr. Cobassan Bhartachaya SHEDULE 22 - PRIOR PERIOD EXPENSES a) Provision for Bad and Doughtful Debts SHEDULE 21 - OTHER EXPENSES b) Irrecoverable Balance Written off SHEDULE 20 - FINANCE COSTS 4. Transportation Expenses 1. Establishment Expenses 3. Administrative Expenses b) Interest on Other Loans a) Interest on Fixed Loans 5. Repairs & Maintenance Academic Expenses c) Bank Commission Others (Specify) d) Others (Specify) c) Others (Specify) TOTAL TOTAL

Particulars	Currel 201	Current Year 2015-16	Previor 201	Previous Year 2014-15
A. CASH FLOW FROM OPERATING ACTIVITIES				
Susplus/(deficit) for the year Less: Expenditure on other Fund (NMEICT)	(8,43,98,113) 4,48,873	(8,48,46,986)	(12,42,21,839) 50,127	(12,42,71,966)
Adjustments for the Non-operating Incomes/Expenses				
Depreciation Write offs	7,81,30,809		4,93,72,484	
Interest expenses on Loans	•	7,81,30,809	,	4,93,72,484
In consequently of any and any and any	(6.01.25.405)	(67,16,177)	1 44 15 06 200	(7,48,99,482)
(increse//Decrease) in Current Liabilities	(4,96,702)	(6,26,32,107)	(7,04,16,188)	1,37,10,90,014
Net Cash Flow from Operating Activities	<u> </u>	(6,93,48,284)		1,29,61,90,532
B. CASH FLOW FROM INVESTING ACTIVITIES (Purchase)/Sale of Fixed Asstes (Durchase)/Sale of Fixed Investments	(66,33,02,064)		(2,20,77,42,184)	
Interest received	1	(66,33,02,064)	(200)	(2,20,77,72,184)
Net Cash Flow from Investing Activities		(66,33,02,064)		(2,20,77,72,184)
C. CASH FLOW FROM FINANCING ACTIVITIES Additions to General Fund during the year		1		a
Grants/funds in nature of founders/promoters contribution Endowment fund(principal sum)	ribution	64,94,59,564		1,24,35,176 78,96,35,140
Interest paid on Loans	r 11.	64,94,59,564		80,20,70,316
Net Increase in Cash Equivalents (A+B+C)		(8,31,90,784)	-	(10,95,11,336)
Cash and cash Equivelents as at the beginning of F.Y.	ST THINMEN THE	22,53,42,676		33,48,54,012
Cash and Cash Equivelent at the end of the period	Z AGANTALA B	14,21,51,892		22,53,42,676
Zigotykoen)	SWAND OF THE STATE	Or Debatish Bhattacharya	V §	Godel Mugeraya

•	SIGNIFICANT ACCOUNTING POLICIES		
	SCHEDULE-23	1. INTRODUCTORY:	· · · · · · · · · · · · · · · · · · ·

The National Institute of Technology, Agartala is one among the Institutions of National Importance setup under the National Institutes of Technology Act, 2007 (No.29 of 2007) and supplemented by the first Statute prepared and declared by Government of India, Ministry of HRD, New Delhi Vide Gazette of India Part II Section 3 Sub Section (i) dated 23.04.2009.

The Government of India, Ministry of HRD, New Delhi releases funds to the Institute for both Plan and Non-Plan Expenses.

The Institute has prepared the Annual Accounts 2014-15 as per the format provided by the Ministry of HRD with the approval of the Comptroller and Auditor General of India and communicated to all NITs Vide Letter No. F.29-4/2012-IFD dated 17,04.2015.

2. ACCOUNTING CONVENTION:

The Financial Statements are prepared on the basis of Historical cost Convention unless otherwise stated and on the Accrual method of Accounting

REVENUE RECOGNITION: က်

Tuition fee payable by students is accounted for on cash basis. Interest on term deposits is accounted on actual basis. Sale of application/ tender forms and other Misc Income are accounted on cash basis.

4. INVENTORY VALUATION:

The Institute is booking expenditure on spare parts, laboratory chemicals, consumables and other stores on cash basis as and when purchased and hence no closing stock for the same shown in the balance sheet.







Registray, NiT, Agartela

INVESTMENT:

No Investment except Fixed Deposit was made during the year under audit. Investments are valued at

FIXED ASSETS ý.

Fixed Assets like equipments, furniture etc., are stated at cost of acquisition inclusive of inward freight, duties and taxes and incidental and direct expenses related to acquisition. The cost of building is taken on the basis of Completion Report. Cost of purchase of Library books, e-books are treated as fixed assets.

DEPRECIATION

Depreciation is provided on Reducing Balance Method/Diminishing Return Method as per rates specified in the guidelines and format of Ministry of HRD, Government of India in respect of following Assets.

(i)Building- 2%, (ii) Electrical Installation- 5%, (iii) Plant and Machinery- 5%, (iv) Lab Equipment- 8%, (v) Office Equipment-7.5%, (vi) Computer & Assocories- 20%, (vii) Furniture & Fittings- 7.5%, (viii) Vehicle-10%, (ix) Library Books- 10% and (x) e-Books/e-Journal- 40%. However, depreciation has been charged on pro-rata basis.

GOVERNMENT GRANT/SUBSIDIES

- Government Capital grants for setting up Projects are treated as Capital Receipts (the said grants are shown under the Head Earmarked/Endowment Fund -
 - Fixed Assets acquired out of specific grants are shown at their full value of acquisition ল

RETIREMENT BENEFIT:

Provision towards Retirement Benefits payable has been made as per accrual basis for the year 2015-16.







NEW PENSION SCHEME (NPS): 10.

Employees' contribution to NPS along with matching contribution of the Institution has been deposited in a separate Bank Account and the NPS contributions are remitted to CRA (NSDL) on monthly basis

11. NIT Agartala is maintaining the following fund accounts separately:

Si. No	Name of Fund	Name of Bank, Branch	Account No
1	New Pension Scheme	SBI, NIT Agartala Br.	30471674447
2	Project Fund	-do-	30533908751
cs	Retirement Benefit Fund	-do-	30693303036
4	Student Welfare Fund	-op-	30534089717
.s	Institute Development Fund	-op-	30534091012
9	EMD & Security Fund	-op-	30936141729
7	Sponsored Project Fund	-do-	30773081908
80	Staff Welfare Fund	-op-	30534092027
6	Departmental Promotional Fund(Civil)	-op-	30534090278
10	NSS Fund	-do-	30786417404
1	Staff Benefit Trust Fund	-qo-	31509918149
12	Directors' Relief Fund	-do-	31536875510
13	School of Continuation Education	-do-	30939795485
14	Guest House Fund	-op-	31664487420
15	TEQIP Fund	-do-	32067844633
16	NIT Transit House Fund	SBI, Kunjaban Br	31092166195
17	Infrastructure Development Fund	TGB, NIT Agartala Br	8026010030064

CAPITAL COMMITMENTS: 12.

All major construction works are being executed by CPWD, RD Deptt, Government of Tripura, Bridge & Roof & functioning in the campus on deposit work basis. Certain construction works are also executed through process of tender









SCHEDULE -24 CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

1. CONTINGENT LIABILITIES:

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2. CURRENT ASSETS, LOANS AND ADVANCES:

In the opinion of the Management, the current assets, loans and advances have a value on realization in the ordinary courses of business, equal at least to the aggregate amount shown in the Balance Sheet.

3. TAXATION:

The Income of the Institute is exempted from Income tax under section 10(23C) of the Income Tax Act 1961. Hence no provision has been made for Income tax.

4. FOREIGN CURRENCY TRANSACTION:

Expenditure is recorded at the prevailing rate on the date of the transaction based on demands raised by State Bank of India, Agartala Branch.

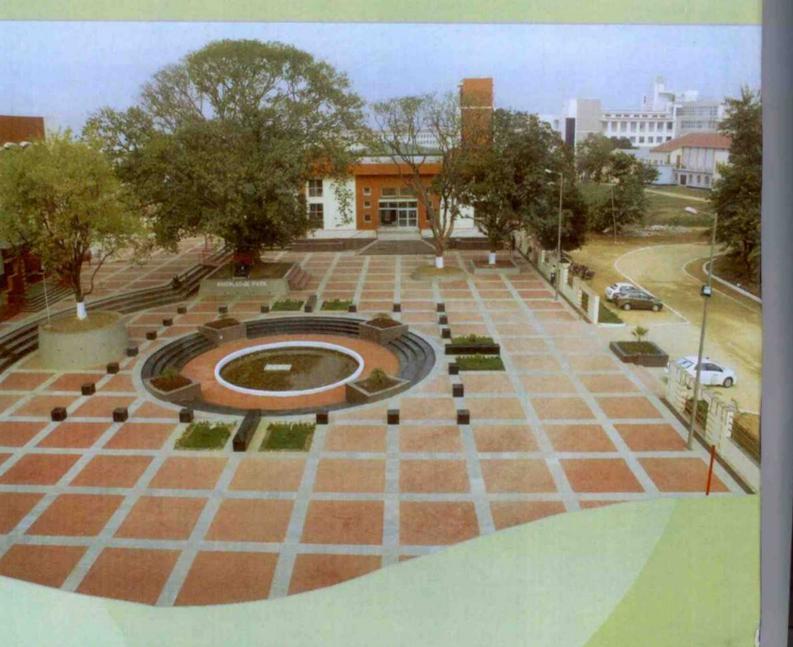
5. Corresponding Figures for the previous year have been regrouped/rearranged wherever necessary.

6. Schedules 1 to 23 are annexed to and form and integral part of the Balance Sheet as at 31.03,2016 and Income and Expenditure and Receipts and Payment Accounts for the year ended on that date.





NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA Barjala, Agartala, Tripura, India - 799046



Email: nita.director@gmail.com

Website: www.nita.ac.in