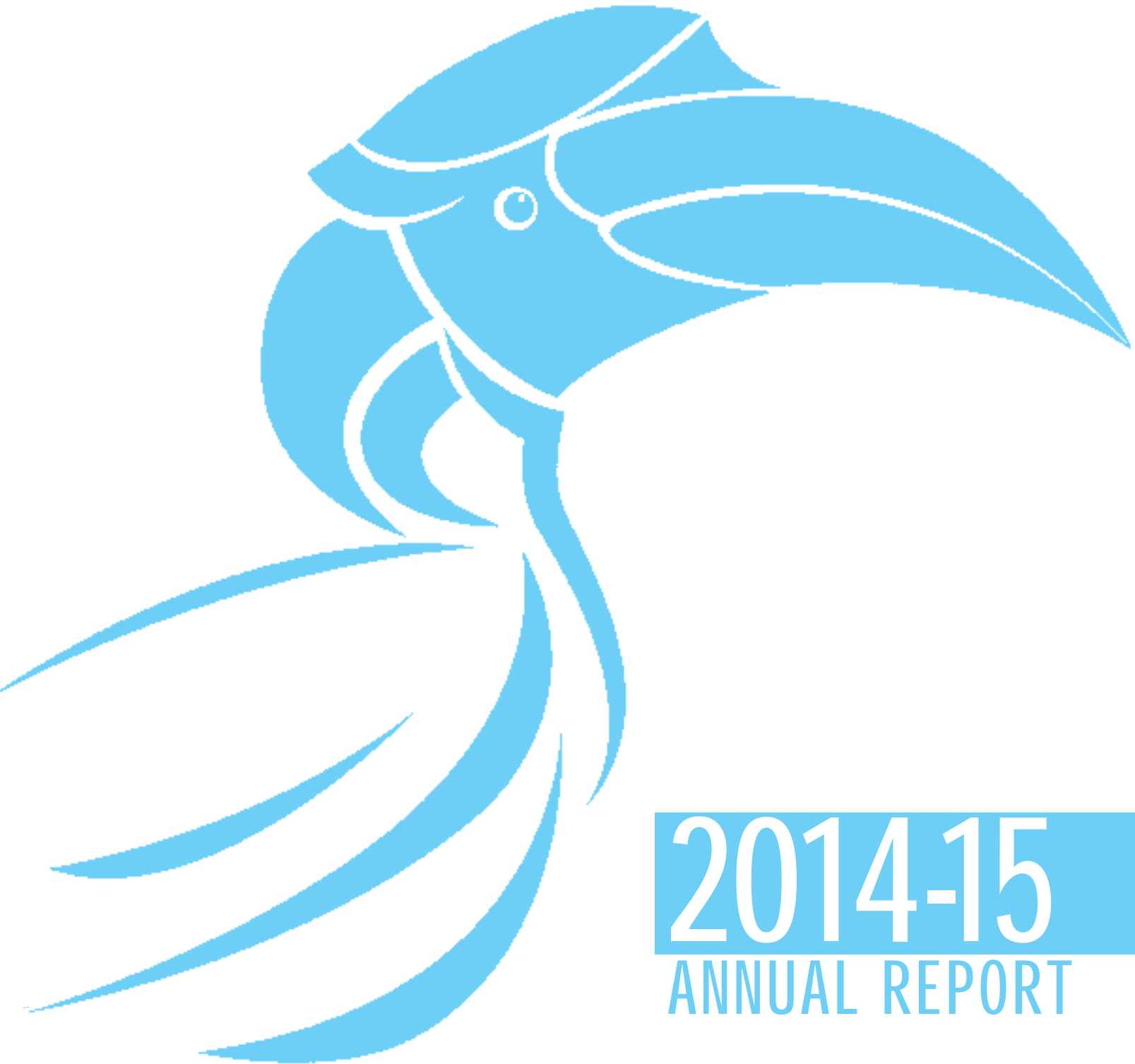


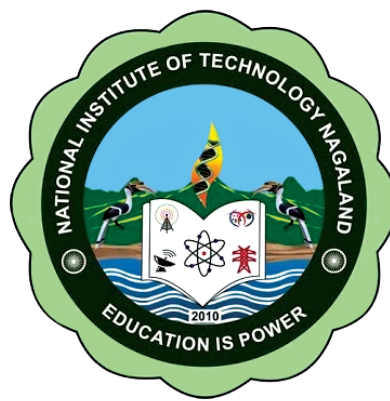


NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND



2014-15
ANNUAL REPORT

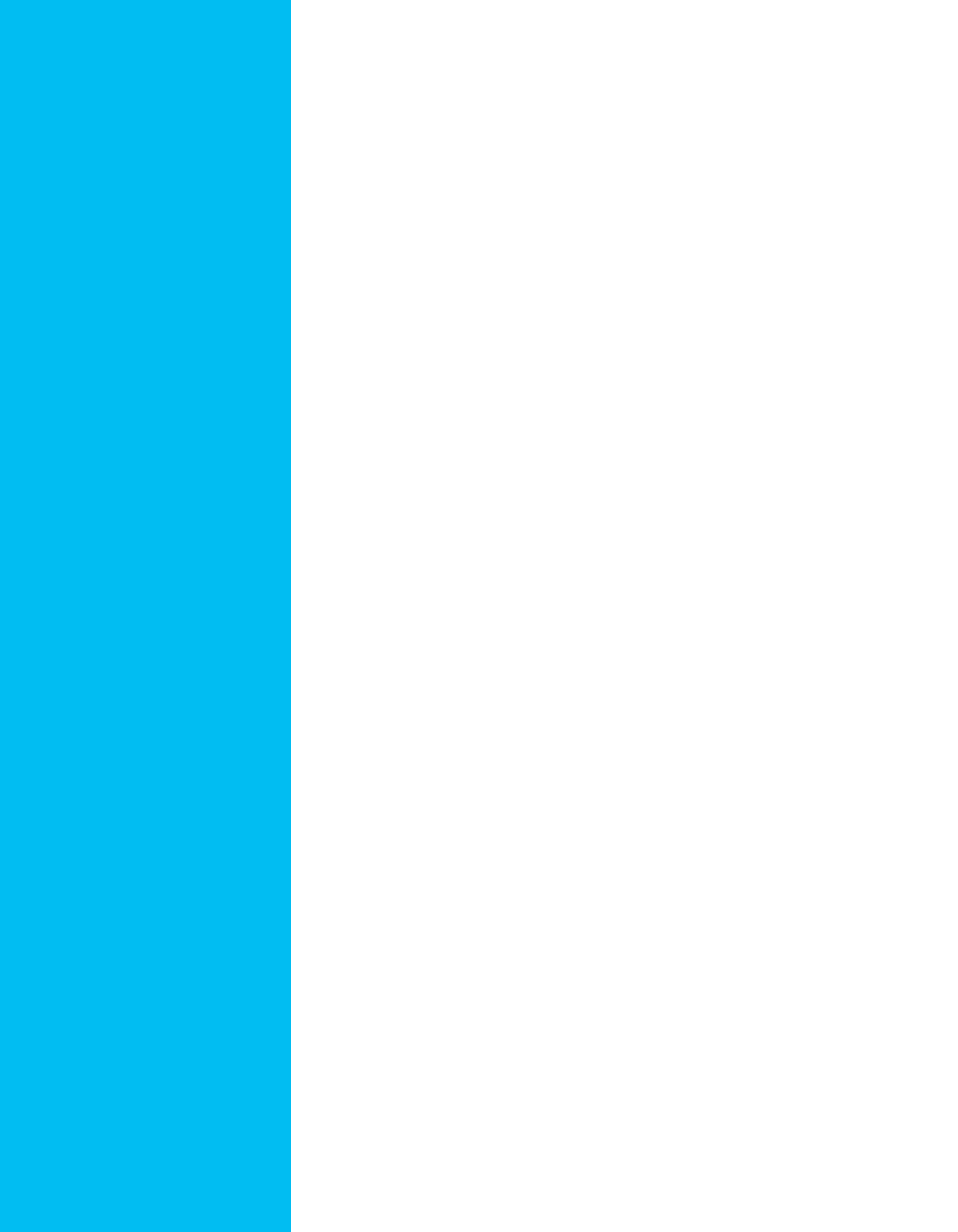
NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND



Annual and Audit Reports 2014 - 2015

National Institute of Technology Nagaland
Chumukedima, Dimapur 797 103

(under the Ministry of Human Resource Development, Government of India)
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1. OVERVIEW

1. Introduction

National Institute of Technology Nagaland, an Institute of National importance is a higher education technical Institute located at Chumukedima (Dimapur), Nagaland. It is one among the ten newly approved NITs by the Government of India in 2009 under the 11th Five Year Plan and it started functioning from the academic year 2010. Initially, this Institute started its journey under the mentorship of NIT-Silchar in Assam. It functioned in the campus of NIT-Silchar for two years.

Land for permanent campus was identified for the Institute during January 2012 and it is located at a hilly terrain area at Chumukedima near Dimapur, Nagaland. The first academic session of the Institute in its permanent campus started on 20th September 2012. The foundation stone of the Institute was laid by the then Hon'ble Minister of Human Resource Development (and Minister of Communications and Information Technology), Government of India on 13th October, 2012. The infrastructure for class rooms, hostel and dining blocks for Boys and Girls were established initially with bamboo structures and thereafter with pre-fabricated buildings. Other academic and administrative activities were conducted in the existing buildings after appropriate refurbishment.

1.1. Reaching the permanent campus

The campus is well-connected through all means of communication. Dimapur Airport is 14 km away from the Institute and the distance of Dimapur Railway Station from the Institute is about 18 km. Regular train services are available from Guwahati to Dimapur. Guwahati is at a distance of about 300 km from the Institute. Day and Night bus/taxi services are available from Guwahati to Chumukedima. Kohima, the capital of the State of Nagaland is about 60 km from the permanent campus of the Institute and regular bus/taxi services are available in this route. The place has a healthy climate with moderate temperature ranging from 15oC to 33oC with an average annual rainfall of 300mm.

1.2. Permanent Campus

The land of 291 acres (which had been originally allotted for the Office of the Deputy Commissioner) was handed over by the Government of Nagaland with few buildings to NIT-Nagaland for the establishment of its permanent campus. The infrastructure for class rooms, hostels (as shown in Figure 1) and dining blocks for Boys and Girls have been created with refurbishment of the existing RCC buildings and construction of a few pre-fabricated

buildings. Pre-fabricated structures for new class room blocks, laboratories (Physics, Chemistry, Electrical Machines, Power Systems etc.) and hostels have been constructed. The Institute's administration is always trying to make NIT-Nagaland a 'Green Campus' by banning deforestation, hunting and fishing within its jurisdiction and also actively engaged in 'Tree Plantation' every year on World Environmental Day i.e. on 5th June.

1.3. Vision and Mission

VISION

To advance knowledge through quality education and research, to cultivate invention improving the human condition and to educate students for a life of professional achievement, service to society and individual fulfilment – moving our world towards a more sustainable path.

MISSION

The Institute is committed to generating, disseminating and preserving knowledge and to working with others to bring this knowledge to bear on the nation's great challenges. NIT-Nagaland is dedicated to providing its students with an education that combines rigorous academic study and the excitement of discovery with the support and intellectual stimulation. We seek to develop in each member of the NIT-Nagaland Faculty and the students the ability and passion to work wisely, creatively and effectively for the betterment of this region, the nation and the world.

NIT-Nagaland shall strive continuously to:

- Impart and develop the skills of the students in order to shape them as outstanding professionals with high ethical standards to solve the societal problems.
- Achieve academic excellence through dedication to duty with team spirit, commitment to research, innovation in learning and faith in human values.
- Mould the students with the state-of-the-art technology resources to match the expectations of the industry and society.
- Provide intellectually stimulating environment for the development of human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a wide range of professions needed by the nation with emphasis on self-reliance to service and lead the nation.

- Provide scientists and technologists who would be the leaders in research, participate in design, development and technology management in the country to meet global challenges.

1.4. Human Resources

The Institute has since received sanction for faculty and non-faculty posts as per its students' strength. However, the entire process of recruitment could not be completed due to non-availability of qualified candidates willing to serve in this remote area of the country. In fact, this particular problem is now being faced by most of the Centrally-funded Technical Institutes in the North-Eastern Region. This aspect needs immediate attention at an appropriate level. The Institute has however started its academic journey with the available human resources, infrastructural facilities etc.

1.5 Road Ahead

In the aforesaid process, the Institute is trying its level best to take care of the necessary Academic activities, Research work etc. with the existing faculty members, laboratories, library, IT facilities etc. It has also provided full-fledged hostel facilities to all the students. All the students are residing in the hostels located within the campus. Due compassion and care is being paid to ensure that the students do not feel that they are staying away from home. This is essential to provide a congenial ambience to enable the students to continue their studies in a proper manner.

1.6 Responsibilities

The Institute has been established for imparting technical education and to promote regional diversity and multicultural

understanding in the State, where students can utilize their skills and proficiency, initiating them into prospective horizons, thereby finding a vocation in which each individual is best fit for. The nobility of the Institute has reframed the mind-set of the people of Nagaland enabling them to rebuild a better society. NIT-Nagaland has indeed raised the hopes of social welfare. Being a premier technological Institute of the State, it aims at promoting the students of Nagaland by advocating scientific and technical pursuits in a rich – resourced topography, which is an excellent measure of learning, understanding and employment.

NIT-Nagaland is also responsible for accomplishing a noble task of catering to the needs of the local people and fulfilling the aspirations of the talented youths belonging to the people residing in the remotest areas of the State. In order to ensure that the students can avail the facilities of Technical Education, the Institute has to play a bigger role while providing suitable training programme to the students at 10+2 stage in the schools of the State. Details of the efforts in this regard are provided in Chapter-13. The Institute is also striving hard to provide necessary technological know-how to the local industries so that the overall pace of industrial development of the State is expedited.

1.7 Conclusion

The Institute has been through many difficulties since its establishment in 2010; but ultimately it has won over all the challenges and is moving forward with more than 350 students on roll, and many excellent members of faculty and competent administrative staff. The Institute is also quite confident to accomplish the entrusted tasks and fulfil its dreams in near future.



Figure 1. View of the Campus

“Education is the ability to listen to almost anything without losing your temper or your self-confidence”
- Robert Frost

2. STATUTORY BODIES

2.1. Board of Governors

The Ministry of Human Resource Development constituted the Board of Governors vide its Letter No. F.No.27-3/2012 – TS.III dated 05-10-2012. The members of the BoG are listed in Table 1 below:

Table 1. Members of the BoG

Sl. No.	Name & Designation
1.	Shri Nayan Mani Borah Chairperson, NIT Nagaland
2.	Additional Secretary or Joint Secretary Department of Higher Education, MHRD
3.	Financial Advisor, Department of Higher Education Integrated Finance Division, MHRD
4.	Shri C. J. Ponraj Chief Secretary, Government of Nagaland
5.	Shri F. P. Solo Commissioner and Secretary Department of Higher and Technical Education, Government of Nagaland
6.	Dr. V. Ramachandran Director, NIT Nagaland
7.	Dr. V. Jagadeesh Kumar Professor, Department of Electrical Engineering & Director, Central Electronics Centre, IIT Madras
8.	Prof. B. K. Konwar Vice-Chancellor, Nagaland University
9.	Dr. Chitralekha Mahanta Professor, Department of Electronics and Electrical Engineering, IIT Guwahati
10.	Dr. Ajay S. Kalamdhad Assistant Professor Department of Civil Engineering, IIT Guwahati
11.	Dr. B. K. Patel Dean of Student Affairs, IIT Guwahati
12.	Mr. Nzanthung Ngullie Deputy Registrar, NIT Nagaland

Shri Nayan Mani Borah, Former Chairman & Managing Director, Oil India Ltd., was nominated as the first Chairperson of the Board of Governors, National Institute of Technology-Nagaland. At present, he is associated with the Appellate Tribunal for Electricity as Technical Member (Petroleum and Natural Gas).

Dr. V. Ramachandran (former Vice-Chancellor, Anna University, Tiruchirappalli), Professor, Department of Information Science and Technology, Anna University, Chennai was appointed as the first full-fledged Director of National Institute of Technology-Nagaland and he assumed charge on 8th February 2012.

2.2. Finance Committee

The Finance Committee was constituted as per the NIT Act 2007, NIT (amendment) Act 2012 & the First Statutes of the NITs and with the approval of the Board of Governors. The members of the Finance Committee are listed below in Table 2:

Table 2. Members of the Finance Committee

Sl.No.	Name & Designation
1	Shri Nayan Mani Borah Chairperson, NIT-Nagaland
2.	Joint Secretary, Department of Higher Education, MHRD or his nominee
3.	Financial Advisor (M/o. Human Resource Development) or his nominee, Integrated Finance Division, MHRD
4.	Shri F. P. Solo, Commissioner and Secretary, Department of Higher and Technical Education, Government of Nagaland
5.	Finance Advisor (Special Invitee), Government of Nagaland
6.	Dr. V. Ramachandran, Director, NIT Nagaland
7.	Dr.V.Jagadeesh Kumar, Professor, Department of Electrical Engineering & Director, Central Electronics Centre, IIT Madras
8.	Mr. Nzanthung Ngullie, Deputy Registrar, NIT Nagaland

2.3. Building and Works Committee

As per the approval of the Board of Governors, the Building and Works Committee was constituted. The members of the Building and Works Committee are listed below in Table 3:

Table 3. Members of the Building and Works Committee

Sl. No.	Name & Designation
1.	Dr. V. Ramachandran Director, NIT Nagaland
2.	Shri R. Srinivasan Director (TE), Department of Higher Education, MHRD
3.	Shri Navin Soi Director (Finance), Department of Higher Education, Integrated Finance Division, MHRD
4.	Dr. V. Jagadeesh Kumar Professor, Department of Electrical Engineering Director, Central Electronics Centre, IIT Madras
5.	Dr. V. Sankaranarayanan Former Member Secretary, Tamil Nadu State Council for Science and Technology and Former Director, Tamil Virtual University, Director (University Projects), B.S. Abdur Rahman University
6.	Er. Chanbemo Lotha Chief Engineer, PWD (Housing), Kohima, Nagaland
7.	Er. K. Miachio Chief Engineer, Department of Power, Kohima, Nagaland
8.	Mr. J. Arul Valan Associate Dean (Planning & Development), NIT Nagaland
9.	Mr. Nzanthung Ngullie Deputy Registrar, NIT Nagaland

2.4. Senate

As per the approval of the Board of Governors, the Senate of the Institute was constituted. The members of the Senate are listed below in Table 4:

Table 4. Members of the Senate

Sl.No.	Name & Designation
1	Dr. V. Ramachandran Chairman, Director, NIT Nagaland
2.	Dr. V. Jagadeesh Kumar Professor, Department of Electrical Engineering Director, Central Electronics Centre, IIT Madras
3.	Dr. V. Sankaranarayanan (Former Member Secretary Tamil Nadu State Council for Science and Technology & Former Director, Tamil Virtual University, Director (University Projects), B.S. Abdur Rahman University
4.	Dr. R .R. Bhargava Emeritus Professor , Department of Mathematics, IIT Roorkee
5.	Dr. Rowena Robinson Professor, Department of Humanities and Social Sciences, IIT Guwahati
6.	Dr. Narayana Prasad Padhy Professor, Department of Electrical Engineering, IIT Roorkee
7.	Dr. S. R. Mahadeva Prasanna Professor, Department of Electronics and Electrical Engineering, IIT Guwahati
8.	Dr. S. Selvakumar Professor and Head, Department of Computer Science and Engineering, NIT Tiruchirappalli
9.	Dr. N. Ammasai Gounden Professor, Department of Electrical and Electronics Engineering, NIT Tiruchirappalli
10.	Dr. B. Venkataramani Professor, Department of Electronics and Communication Engineering, NIT Tiruchirappalli
11.	Dr. Amrit Puzari Assistant Professor, Department of Chemistry NIT Nagaland
12.	Ms. D. Ganga Assistant Professor and Head Department of Electrical and Electronics Engineering, NIT Nagaland
13.	Ms. Rini Lahiri Assistant Professor and Head, Department of Electronics and Communication Engineering, NIT Nagaland
14.	Mr. J. Arul Valan Assistant Professor and Head, Department of Computer Science and Engineering, NIT Nagaland
15.	Mr. Nzanthung Ngullie Assistant Professor, Department of Civil Engineering NIT Nagaland
16.	Dr. Jhimli Bhattacharyya Associate Dean (Academic), NIT Nagaland
17.	Mr. Nagaraju Baydeti Deputy Registrar (Academic) NIT Nagaland

2.5. MEETINGS OF THE STATUTORY BODIES

The venue and date of various important meetings of the statutory bodies held during the financial year 2014-2015 are mentioned below in Table 7:

Table 7. List of Statutory Body meetings held during 2014-2015

Meeting	Venue	Date
Third meeting of the Senate	E246-C, Department of Electrical Engineering, Indian Institute of Technology Madras	14-07-2014
Second meeting of the Finance Committee	Conference Hall, Administrative Block, NIT Nagaland	25-07-2014
Fifth meeting of the Board of Governors	Conference Hall, Administrative Block, NIT Nagaland	25-07-2014
Fourth meeting of the Senate	Conference Hall, Administrative Block, NIT Nagaland	28-03-2015

Board of Studies

The meetings of the Board of Studies were convened on July, 2014 for the Departments of Electrical and Electronics Engineering, Electronics and Communication Engineering and Computer Science and Engineering in order to finalize syllabus for the PG Programmes in the disciplines of Power Systems Engineering, VLSI Systems and Computer Science and Engineering.

“Education is the most powerful weapon which you can use to change the world”

Nelson Mandela

3. ADMINISTRATION

3.1 Administrative Officers

As per the approval of the Senate, the faculty members listed below in Table 5 are given additional responsibilities to look after various academic and administrative activities of the Institute and the position has been intimated to the Board of Governors.

Table 5. Administrative Officers

Name	Designation
Mr. Nzanthung Ngullie	Deputy Registrar & Public Information Officer
Dr. Jyoti Prasad Borah	Associate Dean (Student Affairs)
Dr. Jhimli Bhattacharyya	Associate Dean (Academic)
Mr. J. Arul Valan	Associate Dean (Planning and Development) & HoD, Department of Computer Science and Engineering
Dr. Dipu Sarkar	Associate Dean (Research)
Ms. D. Ganga	HoD, Department of Electrical and Electronics Engineering
Dr. Debadatta Pati	HoD, Department of Electronics and Communication Engineering
Dr. Amrit Puzari	HoD, Department of Science and Humanities & Coordinator & Training and Placement Cell
Mr. Nagaraju Baydeti	Deputy Registrar (Academic)
Dr. A. Wati Walling	Executive Warden
Mr. Lithungo Murry	Faculty In-charge, Library
Ms. Arambam Neelima	Deputy Warden (Girls Hostels)
Mr. Kevinguto Khate	Deputy Warden (Boys Hostels)
Mr. Rosang Pongen	Deputy Warden (Boys Hostels)

3.2 Administrative / Non-Teaching Staff

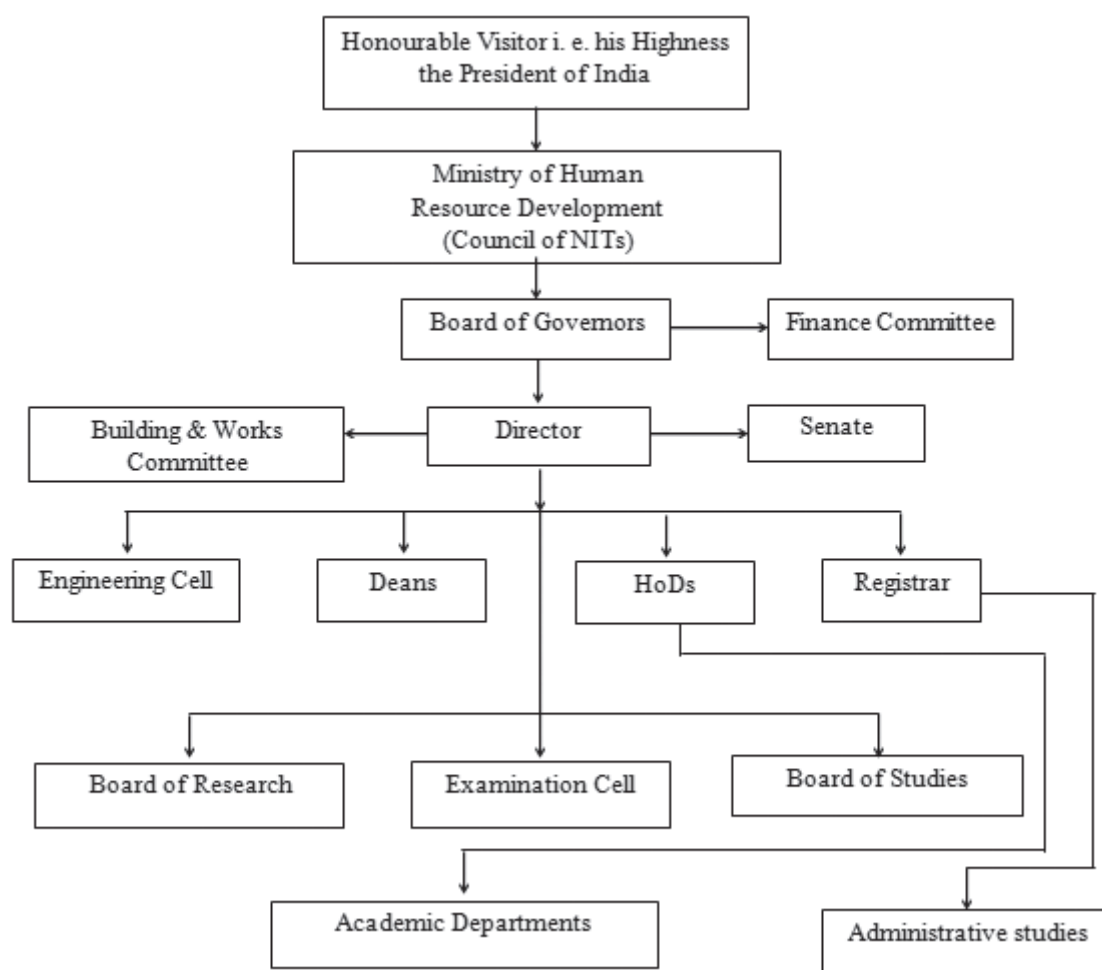
The following members (listed below in Table 6) were selected on the basis of the recommendations of the Staff Selection Committee through regular interview procedure while following the model recruitment rules.

Table 6. Administrative / Non-Teaching Staff

Sl. No.	Name	Designation
i.	Dr. Lairenlakpam Shanta Meitei	Assistant Librarian
ii.	Mr. Dipjyoti Gogoi	Sports Officer
iii.	Mr. Seizalal Singson	Technical Assistant (ECE)
iv.	Mr. Kamal Kant Kashyap	Technical Assistant (ECE)
v.	Mr. Bikash Sharma	Technical Assistant (CSE)
vi.	Ms. Arenmongla	Nurse
vii.	Mr. Eliyamo Kithan	Superintendent
viii.	Mr. Mhonthung Ngullie	Accountant
ix.	Mr. Mathivanan	Laboratory Assistant (CSE)
x.	Ms. Gopa Tewari	Laboratory Assistant (EEE)
xi.	Mr. Yanger. A. Walling	Junior Assistant

Sl. No.	Name	Designation
xii.	Mr. Benrio Ngullie	Junior Assistant
xiii.	Ms. Sunita Mazumder	Junior Assistant
xiv.	Mr. Pappu Kumar Sharma	Junior Assistant
xv.	Mr. Sorenthung Ovung	Library Attendant
xvi.	Ms. Meribeni Ngullie	Library Attendant
xvii.	Mr. Neichuto Kin	Workshop Attendant
xviii.	Ms. Siagailakle	Multitasking Staff
xix.	Ms. Kevisinuo Shuya	Multitasking Staff

3.3 Organizational Structure



3.4 Initial position of appointment of faculty & non-faculty members

Initially, all the faculty members were working on contract basis and classes were conducted by inviting experts from reputed institutions / industries. Later on, staff recruitment was done twice for the teaching posts sanctioned by the MHRD on regular basis for handling classes at NIT-Nagaland. Totally twenty-nine faculty members have joined as Assistant Professors and Assistant Professors (Contract) on regular basis.

3.5 New appointments

Group – A	: 05
Group – B	: 04
Group – C	: 13

Table 7. Faculty

Sl. No.	Name	Designation	Date of joining
i.	Dr. Debadatta Pati	Assistant Professor	18-08-2014
ii.	Mr. Om Prakash Acharya	Assistant Professor	18-08-2014
iii.	Dr. P. Chinnamuthu	Assistant Professor	16-03-2015

Table 8 . Non-Teaching Staff

Sl. No.	Name	Designation	Date of joining
Group - A			
i.	Dr. Lairenlakpam Shanta Meitei	Assistant Librarian	11-08-2014
ii.	Mr. Dipjyoti Gogoi	Sports Officer	01-04-2015
Group - B			
iii.	Mr. Seizalal Singson	Technical Assistant (ECE)	08-07-2014
iv.	Mr. Kamal Kant Kashyap	Technical Assistant (ECE)	11-08-2014
v.	Mr. Bikash Sharma	Technical Assistant (CSE)	18-08-2014
vi.	Ms. Arenmongla	Nurse	12-03-2015
Group - C			
vii.	Mr. Eliyamo Kithan	Superintendent	09-03-2015
viii.	Mr. Mhonthung Ngullie	Accountant	09-03-2015
ix.	Mr. Mathivanan	Laboratory Assistant (CSE)	08-07-2014
x.	Ms. Gopa Tewari	Laboratory Assistant (EEE)	18-08-2014
xi.	Mr. Yanger. A. Walling	Junior Assistant	09-03-2015
xii.	Mr. Benrio Ngullie	Junior Assistant	09-03-2015
xiii.	Ms. Sunita Mazumder	Junior Assistant	09-03-2015
xiv.	Mr. Pappu Kumar Sharma	Junior Assistant	08-04-2015
xv.	Mr. Sorenthung Ovung	Library Attendant	08-07-2014
xvi.	Ms. Meribeni Ngullie	Library Attendant	08-07-2014
xvii.	Mr. Neichuto Kin	Workshop Attendant	01-08-2014
xviii.	Ms. Siagailakle	Multitasking Staff	12-03-2015
xix.	Ms. Kevisinuo Shuya	Multitasking Staff	12-03-2015

“If the poor boy cannot come to education, education must go to him”

Swami Vivekananda

4. ACADEMIC ACTIVITIES

4.1 NIT in Nagaland

With the coming of NIT Nagaland to Chumukedima (Dimapur), the NIT aspirants have been much benefited. The Home State reservation is being one of the key opportunities where many students from Nagaland may get admission to the Institution. Apart from the technical manpower, up-liftment of the locality and the Naga society is conspicuously visible with the establishment of NIT Nagaland

4.2 Courses Offered

The Institute offers four years undergraduate programmes (B.Tech.) in Electrical and Electronics Engineering, Electronics and Communication Engineering and Computer Science and Engineering. The Institute started a five year dual degree programme (B.S.M.S.) in Materials Science from the academic year 2014-2015 and also started three Post Graduate programmes (M.Tech.) in Power Systems Engineering, VLSI Systems, and Computer Science and Engineering.

4.3 Admission Procedure

Under Graduate / Dual Degree Programmes (B. Tech. / B.S.M.S.)

Students are admitted into the undergraduate programmes based on their rankings in the Joint Entrance Examination (JEE) conducted by the CBSE. The entire undergraduate admission process is governed as per the Central Seat Allocation Board (CSAB) and the post-graduation admission process is governed as per the Centralized Counselling for M.Tech. / M.Arch. / M.Plan. Admissions guidelines (of CCMT) and instructions are received from the MHRD, Government of India.

Students having passed final examinations of 10+2 system conducted by recognized Central / State Board, Central Board of Secondary Education, Council for the Indian School Certificate Examination, with Physics, Chemistry, Mathematics and English subjects are eligible for admission to first year B. Tech. course. In NIT Nagaland, 50% of the seats are reserved for Home State quota and the remaining 50% for other States (OS) quota, i.e., all other States and UTs (Union Territories) except the Home State. The Home State of a candidate (also called state of eligibility) is defined as the State of Nagaland from which the candidate has passed 12th standard (or equivalent) examination and is a native of the State of Nagaland.

Admission to the first year of Engineering / Technology Programmes at NIT Nagaland is on the basis of All India Rank (AIR) prepared by the CBSE considering score in JEE (Main) and normalized score of class 12th or equivalent qualifying exam (60% and 40% weightage, respectively) across India by Common Merit List (CML) through a centralized seat allocation procedure. Candidates are offered only one seat based on their choice and their JEE (Main) All India Rank (AIR) in Paper-I or Paper-II as applicable. Allocation of seat is done through the CSAB in order of preference of choices filled in by the candidates and availability of seats.

Post Graduate Programmes (M. Tech.)

Three PG courses have been introduced from the academic year 2014 - 2015 with an intake of 15 students in each branch. A Dual degree programme on Materials Science (B.S.M.S.) was introduced to inculcate new dimension of study with the intake of 30 students. The PG programmes are offered in the following specializations as mentioned in the table 9 below:

Table 9. Post Graduate Degree Programmes

Sl. No.	Courses introduced	Specialization
i.	M.Tech.	Power Systems Engineering
ii.	M.Tech.	VLSI Systems
iii.	M.Tech.	Computer Science and Engineering
iv.	B.S.M.S. Dual Degree	Materials Science

Candidates seeking admission to M.Tech. Degree Programme under various modes of study should have completed and passed regular full time B.E. / B.Tech. Degree in an appropriate branch from an approved Institute / University with minimum 60% marks (or CGPA 6.5/10) in aggregate and for SC / ST candidates 55% marks (or CGPA 6.0/10) in aggregate in the qualifying

examination. The AMIE (approved by the AICTE) degree holders in an appropriate area of study may also be considered eligible, subject to the condition that the candidate possesses eligible GATE score in the appropriate discipline. Candidates with B.E. / B.Tech. under lateral entry should have passed the three year diploma in engineering from an approved Board / Organization

with minimum 60% marks and for SC / ST candidates with minimum 55% marks. The entire admission process is governed as per the Centralized Counselling for M.Tech. / M.Arch. / M.Plan. The (CCMT) guidelines and instructions are received from the MHRD, Government of India.

Initiative has also been taken for admission of the candidates who have less GATE score or do not possess GATE score by conducting Departmental Admission Test at NIT Nagaland. The admission to B.S.M.S. Dual degree programme is made through the CSAB for eligible JEE (Main) candidates.

4.4 Examination and Evaluation

4.4.1 B. Tech. / B.S.M.S.

- a. Performance of the student in each course of study is evaluated based on (i) two internal assessments and (ii) end-semester examination.
- b. The theory and practical courses are evaluated for a maximum of 100 marks. The project work is also evaluated for a maximum of 100 marks for each phase.
- c. For all theory courses, the continuous internal assessment will carry 50 marks and the end-semester examination will carry 50 marks.
- d. For all practical courses, the continuous internal assessment will carry 75 marks and the end-semester examination will carry 25 marks.
- e. For project work of each phase, the continuous internal assessment will carry 50 marks and the end-semester examination will carry 50 marks.
- f. The end-semester examination (theory and practical) of 3 hours' duration is conducted between November and December during the Odd semester and between May and June during the Even semester.
- g. The project work has to be carried out in two phases. The phase - I has to be carried out during VII semester and Phase - II, which is a continuation of Phase - I, to be carried out during VIII semester. The end-semester examination for project work consists of evaluation of the final report submitted by the student or students of the project group (of not exceeding 3 students) by an external examiner followed by a viva-voce examination conducted separately for each student by a Committee consisting of the external examiner, the guide of the project group and an internal examiner (Project Coordinator).
- h. The academic performance of the students is being assessed on a continuous basis during the semester.
- i. The Academic Regulations 2008 followed by the students of Batch 2010 and Batch 2011 are merged with Academic Regulations 2012 as per the recommendations of the Performance Analysis Committee and subsequently by the

Senate, and the results were announced accordingly. A common grading system was evolved during the process of merging.

- j. Continuous assessments are conducted through tests (minimum 2), assignments, quiz and seminars periodically.

4.4.2 M. Tech.

- a. Performance in each course of study shall be evaluated based on (i) two internal assessments and (ii) end-semester examination
- b. For all theory courses, the continuous internal assessment will carry 50 marks and the end-semester examination will carry 50 marks.
- c. For all practical courses, the continuous internal assessment will carry 75 marks and the end-semester examination will carry 25 marks
- d. For project work of each phase, the continuous internal assessment will carry 60 marks and the end-semester examination will carry 40 marks
- e. The end-semester examination (theory and practical) of 3 hours' duration shall ordinarily be conducted between October and December during the Odd semester and between April and June during the Even semester.
- f. Each student has to do the project work independently in two phases as per the curriculum. The Phase-I has to be carried out during III semester and Phase-II, which is a continuation of Phase -I, to be carried out during IV semester. The end semester examination for project work shall consist of evaluation of the final report submitted by the student by an external examiner followed by a viva-voce examination conducted separately for each student by a Committee consisting of the external examiner, the guide and an internal examiner normally the Project Coordinator nominated by the Head of the Department

4.5 Evaluation of Performance

All the programmes follow semester pattern and credit- based system of teaching and evaluation. The academic year is divided into two semesters (Odd and Even). Students are required to attend every lecture, tutorial and practical classes. They are awarded attendance grades which are considered to make them eligible for appearing at the end semester examinations. Students are awarded Cumulative Grade Point Average (CGPA) for evaluation of their academic performance.

The performance of a student is evaluated in terms of two indices, viz., the Semester Grade Point Average (GPA) which is the Grade Point Average for a Semester and Cumulative Grade Point Average (CGPA) which is the Grade Point Average for all the completed semesters at any point of time.

4.6 Students' Strength

The details of the intake of students for the academic year 2014-15 are furnished below in Table 10:

Table 10. Students' Strength

Students Intake - 2014 - 2015														
Total Sanctioned Intake of Students at UG & PG level) (Category - wise)						Total Actual Admission at UG & PG level (Category - wise)								
Course / Category	Gen	SC	ST	OBC	Total	Gen		SC		ST		OBC		Total
						B*	G**	B*	G**	B*	G**	B*	G**	
UG	152	38	124	76	390	82	9	39	6	48	23	84	4	295
PG	24	12	6	3	45	12	4	4	2	8	0	8	0	38
Ph.D.	---	---	---	---	0	12	6	2	1	4	3	5	2	35
Grand Total	176	50	130	79	435	106	19	45	9	60	26	97	6	368
* Boys, **Girls														

4.7 Ph.D. Degree Programme

In order to provide facilities for research activities and to encourage the staff members to pursue research, Ph.D. programme was introduced during the academic year 2012-2013 [with special regulations framed (vide resolution S001.05)] in the departments of Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering, Physics, Chemistry, Mathematics, Science and

Humanities. With the approval of the Senate, research scholars had been admitted in to all the departments through regular interview. There are 33 research scholars in total pursuing their research in the Institute as Full time / Part-time (Internal) / Part-time (External) candidates. The Ph.D. programme is governed by the Special regulations framed to suit the requirements of the newly established Institute. The following table (Table 11) shows the number of candidates admitted (department-wise) till the academic year 2014- 2015.

Table 11. Department-wise Research Scholars' Strength

Sl. No.	Department	No. of Research Scholars admitted
i.	Computer Science and Engineering	16
ii.	Electrical and Electronics Engineering	05
iii.	Electronics and Communication Engineering	05
iv.	Science and Humanities	07
	Total	33

Details of Ph.D. scholars

The research scholars admitted in to various departments of the Institute and their areas of Research are listed below in Table 12:

Table 12a. Department of Science and Humanities

Registration No.	Name of the Research Scholar	Area of Research
2013262001	Renchumi Kikon Kuotsu	Gender issues in Democratic - Electoral Politics Conflict between Traditional Customary Values and Democratises
2013261001	RD. Ralandinliu Kahmei	Synthesis and Characterization of Nanomaterials
2014202002	Dipraj Saikia	Development of transition metal doped IIVI diluted magnetic semiconductors towards spintronic application
2014262003	Talinungsang	Welting Studies of metal oxide thin films
2014262004	Mr. Pulak Chutia	Organic Synthesis Applied Catalysis
2014262005	T. Poongodi	Optimization of Flow of Commodity
2014261002	Jane Roseline Yimchunger	Theory of Rings and Modules

Table 12b. Department of Electrical and Electronics Engineering

Registration No.	Name of the Research Scholar	Area of Research
2013232001	D. Ganga	Real-Time Electrical Drive Design and Implementation for Industrial Automation
2013232002	B. Shakila	Secured Data Handling in Smart Grid with Cloud Computing
2013232003	M. Prakash	Integration of Distributed Energy Resources to Power Grid
2013232004	A. Thirumurugan	Design and Simulation of Quantum Trapping Vacuum Tube Train
2014232005	Swaraj Banerjee	Economic Load Dispatch

Table 12c. Department of Electronics and Communication Engineering

Registration No.	Name of the Research Scholar	Area of Research
2013242001	Smaranika Subhasini	Image Processing - Colour edge detection
2014242002	Rini Lahiri	Erbium -doped TiO ₂ Thin Film Fabrication
2014242003	Palungbam Roji Chanu	Impulse Noise Removal From Digital Images
2014242004	Madhusudan Singh	Device Modelling
2014242005	Monalisa Hazarika	Development of Hybrid Carbon Nano composition for device and bio medical applications

Table 12d. Department of Computer Science and Engineering

Registration No.	Name of the Research Scholar	Area of Research
2013252001	B. Ravi Kumar	Software Reliability Models for Distributed Systems
2013252002	S. Balaji	Challenges in Convergence of GSM Network with MPLS VPN Network
2013252003	A. Nagavaradharajan	Optimal Energy Conservation in Wireless Sensor Networks
2013252004	K. Santhi	Performance Enhancement of Web Services in Heterogeneous Environment
2013252005	P. Moorthi	Reliability and Security Enhancement of Web Services
2013252006	M. Muthukumar	QoS Enhancement of Private Cloud Computing
2014252007	R. Srinivasan	E-Governance Models
2014252008	Nagaraju Baydeti	Performance Enhancement of 5G Networks
2014252009	Sibesh Lodh	Mobile Adhoc Networks
2014252010	J. Arul Valan	Cloud Based Models for Big Data Analytics in Smart Grids
2014252011	Dilwar Hussain Mazumder	Big Data Analytics
2014252012	Lithungo K Murry	Computer Networks
2014252013	Pranesh Das	Machine Learning
2014252014	P. Sevanthi	Multi-Core Architecture
2014252015	Sanchamo Yanthan	QoS Enhancement of Distributed Services
2014252017	Oinam Nickson Meetei	Natural Language Processing

4.8 Details of Guest / Special Lectures

In order to cope up the academic requirements, Guest Faculties were invited and classes were conducted regularly. The details of the guest lectures delivered during the academic year 2014-15 to meet the academic requirements are furnished below in Table 13:

Table 13. Details of Guest / Special Lectures

Name of Guest Faculty / Resource person	Designation / Organization	Course Title
Mr. R. Naresh Giridharan	CEO, Inteqsys Private Ltd., Chennai.	SH251 Engineering Economics
Ms. Sarita Panigrahy	Guest Faculty, NIT Nagaland.	EE203 Electronic Devices and Circuits, EE205 Electronic Devices and Circuits Laboratory
Mr. Abhishek and the Team	CRETA HR SOLUTIONS Pvt. Ltd., New Delhi.	Skill Development Programme
Mr. A. Sadagopan	Retd. AGM, BSNL.	Technical skill Development Programme for IES Examinations
Mr. S. Balaji	Senior Sub-Division Engineer, BSNL.	Technical skill Development Programme for IES Examinations
Mr. J. Santhanakrishnan	Retd. Deputy General Manager (BSNL).	Technical skill Development Programme for IES Examinations
Mr. S. Balaji	Senior Sub-Division Engineer, BSNL.	VL103 Advanced Digital Communication Techniques
Prof. A. Kannammal	Department of Computer Applications, Coimbatore Institute of Technology.	CP104 Design and Management of Computer Networks
Dr. V. Mariappan	Senior Architect, Mobility COE, Ness Technologies, Bangalore.	CP104 Design and Management of Computer Networks
Prof. C. Aravindan	Department of Computer Science and Engineering, SSN College of Engineering, Chennai.	CP101 Advanced Data Structures, CP953 Algorithms and Machine Learning Techniques
Prof. T. N. Saha	Prof. T. N. Saha, Retd. Professor, Dept. of EEE, IIT Kharagpur.	PS105 Power System Planning
Ms. Sangeeta Chauhan	Advisor, "Make It In Germany".	Career Opportunities in Germany
Prof. A. P. Shanthi	Professor, Dept. of CSE, Anna University.	CP102 Multicore Architecture
Prof. Ranjani Parthasarathi	Professor, Dept. of IST, Anna University.	CP102 Multicore Architecture
Prof. S. R. Mahadeva Prasanna	Professor, Dept. of EEE, IIT Guwahati.	PEC905 Advanced Signal Processing
Ms. D. Vaidehi, Ms. Jincy Achamma Jose	Rajiv Gandhi Memorial, Telecom Training Centre, BSNL.	Networking/IPv6/MPLS Training
Mr. A. Sadagopan	Retd. AGM, BSNL.	Training to Enhance Skills for Facing Gate Examination
Mr. S. Balaji	Senior Sub-Division Engineer, BSNL.	Aptitude Training and Personality Development
Mr. J. Santhanakrishnan	Retd. Deputy General Manager (BSNL).	Aptitude Training and Personality Development

Name of Guest Faculty / Resource person	Designation / Organization	Course Title
Dr. Ing Marian Walter	Senior Researcher and Deputy Head, at the Chair for Medical Information Technology, RWTH, Aachen University.	Research and Career Opportunity
Dr. Kh. Manglem Singh	Associate Professor, Dept. of CSE, NIT Manipur.	PEC907 Advanced Digital Image Processing
Ms. Sarita Panigrahy	Guest Faculty, NIT Nagaland	EE909 Biomedical Instrumentation EE253 Linear Integrated Circuits
Dr. Aniruddha Mondal	Assistant Professor, Dept. of Physics, NIT Durgapur	PEC402 VLSI Fabrication Technology
Mr. A. Sadagopan	Retd. AGM, BSNL.	SH251 Engineering Economics
Mr. N. S. Geethesh Meti	Managing Partner, Mysore Embedded Technology Institute	Workshop in "Embedded Systems and its Recent Trends"
Prof. T. N. Saha	Retd. Professor, Dept. of EEE, IIT Kharagpur,	PS153 Power Quality and Reliability
Prof. Monojit Mitra	Prof. Monojit Mitra, Department of Electronics and Telecommunication Engineering, IEST Shibpur	EC353 Transmission Lines and Wave Guides
Prof. K. Jayaraman	ICET Competency Developer, Bangalore.	VL151 System on Chip Design EE254 Measurements and Instrumentation
Mr. A. Sadagopan	Retd. AGM, BSNL, Chennai.	SH251 Engineering Economics
Mr. V. Vasanth Kumar	Sr. Applications Engineer, VI Solutions	VL151 System on Chip Design
Mr. Sanjay Goswami	Assistant Professor, Department of Computer Applications, Narula Institute of Technology, Kolkata	Workshop in MATLAB Programming

4.9 Result statistics

The first batch of B.Tech. students completed their course and graduated in the academic year 2014-2015. All the grade cards along with their provisional degree certificates, transfer certificates, migration certificates and conduct certificates were provided to those students who had successfully completed their degree programme. Table 14 shows the statistics of the number of students graduated from the first batch (2010-2014).

Table 14. No. of students graduated in 2014-2015

Sl.No.	Degree Awarded	No. of students graduated
i.	B.Tech. in Computer Science and Engineering	17
ii.	B.Tech in Electronics and Communication Engineering	29
iii.	B.Tech in Electrical and Electronics Engineering	28

The Institute recognizes the efforts of the students, who have shown academic excellence, by awarding Gold Medals to the toppers of the Institute and also at Department level. Table 15 below shows the list of students who have been awarded Gold Medals:

Table 15a. Institute Topper

Sl. No.	Reg. No.	Name of the Student	CGPA	Classification	Dept.
i.	2010104020	Rashi Dutt	9.86	First Class with Distinction	ECE

Table 15b. Department Level Toppers

Sl. No.	Reg. No.	Name of the Student	CGPA	Classification	Dept.
i.	2010104020	Rashi Dutt	9.86	First Class with Distinction	ECE
ii.	2010103001	Alok Ranjan	9.79	First Class with Distinction	EEE
iii.	2010105013	Sahil Dadhich	8.82	First Class with Distinction	CSE

4.10 Details of Scholarship

The students of NIT Nagaland are getting scholarships and Table 16 below shows the details of the students who are receiving scholarships from various organizations:

Table 16. Scholarship details

Sl. No.	Name of The Student	Reg. No.	Cate-gory	Issuing Authority	Amount (in Rs.)	Issue Date
i.	Rahul Kumar	2011103048	OBC	District Welfare Officer, Darbhanga, Bihar	26,900.00	20.03.2014
ii.	Amit Kumar	2011103030	OBC	District Welfare Society Patna, Bihar	52,800.00	17.04.2014
iii.	Maloth Vijay Kumar	2010104006	ST	District Welfare Office, Warangal, AP	37,600.00	17.04.2014
iv.	Halavath Ramesh	2012103064	ST	District Welfare Office, Medak, AP	40,000.00	17.04.2014
v.	Abhimanyu Kumar	2012104061	SC	District welfare Society, Nalanda, Bihar	6,600.00	17.04.2014
vi.	Lalit Prasad	2011104040	OBC	District welfare Society - Puru Champaran, Bihar	2,200.00	17.04.2014
vii.	Gajbhar Rahul Bhimrao	2010103005	SC	District Welfare Officer, Nanded, Maharashtra	60,640.00	21.06.2014
viii.	Nelson Arafat Ali	2011105029	OBC	West Bengal Minoroties Development & Finance Corporation	20,000.00	11.09.2014
ix.	Babul Das	2012104066	OBC	REC Power Distribution Company Ltd.	24,000.00	30.01.2014
x.	Teegala Raghavarun Reddy	2012104083	Gen	REC Power Distribution Company Ltd.	24,000.00	30.01.2014
xi.	Priya Kumari	2012105056	OBC	REC Power Distribution Company Ltd.	24,000.00	30.01.2014
xii.	Abhijit Debnath	2012104060	OBC	REC Power Distribution Company Ltd.	24,000.00	30.01.2014
xiii.	Mani Shankar Kumar	2012103068	OBC	REC Power Distribution Company Ltd.	24,000.00	30.01.2014
xiv.	Anita Kumari Paswan	2011105019	SC	DWO, MADHUBANI, BIHAR	53,850.00	18.02.2015
xv.	Halavath Ramesh	2012103064	ST	DTW Office, Medak, Telangana	43,000.00	21.02.2015
xvi.	Maloth Vijay Kumar	2010104006	ST	DTW Office, Warangal, Telangana	37,600.00	21.02.2015

4.11 Faculty Development Programmes

Based on the recommendations of the Senate, it was proposed to change the existing curriculum to Objective and Outcome-based. The Senate recommended for conducting a training programme for the faculty for a comprehensive understanding of Objective and Outcome based education. Subsequently, three faculty members of NIT Nagaland attended the training programme viz. “Transforming Engineering Education System to Match Global Standards – Objective and Outcome Based Education System” during 2nd to 5th July, 2014 which was organized by EQUATE, New Delhi. This programme enables

the Institute for transforming the traditional education system into Objective and Outcome-based education system. The list of faculty members attended this programme are listed below:

Dr. Dipu Sarkar, Assistant Professor, Department of Electrical and Electronics Engineering

Mr. Naorem Khelchand Singh, Assistant Professor, Department of Electronics and Communication Engineering

Mr. Nagaraju Baydeti, Assistant Professor, Department of Computer Science and Engineering

*“The philosophy of the school room in one generation will be the philosophy of government in the next”
-Abraham Lincoln*

5. ACADEMIC DEPARTMENTS

5.1. Computer Science and Engineering

The list of Faculty / Staff in the Department of Computer Science and Engineering are mentioned below in Table 17a:

Table 17a. Faculty / Staff in Department of Computer Science and Engineering

Name of the Faculty	Designation
Mr. J. Arul Valan	Assistant Professor and Head
Ms. K. Santhi	Assistant Professor
Mr. Lithungo K Murry	Assistant Professor
Mr. Dilwar Hussain Mazumder	Assistant Professor
Ms. Arambam Neelima	Assistant Professor
Mr. Nagaraju Baydeti	Assistant Professor
Mr. Sibesh Lodh	Assistant Professor
Mr. Bikash Sarma	Technical Assistant
Mr. V. Mathivanan	Laboratory Assistant
(On Contractual Basis)	
Mr. M. Muthukumar	Assistant Professor
Ms. P. Sevanthi	Teaching Assistant
Mr. Pranesh Das	Teaching Assistant
Mr. P. Moorthi	Teaching Assistant

The list of available laboratories in the Department of Computer Science and Engineering are mentioned below in Table 17b:

Table 17b. Laboratories in the Department of Computer Science and Engineering

Sl. No.	Name of the Laboratory
i.	Programming Laboratory
ii.	Computer Networks Laboratory
iii.	XML and Web Services Laboratory
iv.	Computer Graphics Laboratory
v.	Operating Systems Laboratory
vi.	Database Management Systems Laboratory
vii.	Service Oriented Architecture Laboratory

Research publications / Seminars/ Workshops / Conferences / Short-term Courses organized / attended by the Faculty members:

1. Arambam Neelima and Kh Manglem Singh, "Perceptual Hash Function based on Scale-Invariant Feature Transform and Singular Value Decomposition: The Computer Journal", September 2015; doi: 10.1093/comjnl/bxv079. (Issue no and Vol No. not yet assigned)
2. Arambam Neelima and Kh Manglem Singh, "A Robust Image Hash Function based on Color and Texture Features of the Image", (Accepted for Publication in IEEE digital Explore), 2015.
3. Arambam Neelima and Kh Manglem Singh, "A perceptual hash function based on Color and texture features of an image", Published in IEEE ISACC 2015, Assam University, Silchar.

4. Arambam Neelima and Kh Manglem Singh, "A survey on video hashing", Published in ESTER 2015, Organized by NIT Manipur, NIT Manipur.
5. Pranesh Das attended a winter school on statistical data analysis methods at Indian Statistical Institute, Kolkata, organized by Inter Disciplinary Research Unit (ISRU), February 2015.
6. Dilwar Hussain Mazumder attended QIP sponsored Workshop "on Recent Trends in Networks and Distributed Computing", at IIT-Guwahati.
7. J. Arul Valan attended a Workshop on "Big Data Techniques and Tools", Organized by CDAC, Chennai.
8. Dilwar Hussain Mazumder attended Summer School on "Big Data Analytics" at IIT-Kharagpur.
9. Nagaraju Baydeti attended "India Defense and Aerospace Symposium" organized by National Instruments, Bangalore on 24-06-2015.
10. Nagaraju Baydeti attended "National Conference on Communications (NCC) 2015" at Indian Institute of Technology-Bombay from 27th February, 2015 to 1st March, 2015.

5.2 Electronics and Communication Engineering

The list of Faculty / Staff in the Department of Electronics and Communication Engineering are mentioned below in Table 18a:

Table 18a. Faculty / Staff in the Dept. of Electronics and Communication Engg.

Name of the Faculty/Staff	Designation
Dr. Debadatta Pati	Assistant professor
Dr. P. Chinnamuthu	Assistant Professor
Mr. Omprakash Acharya	Assistant professor
Mr. Jay Chandra Dhar	Assistant professor
Mr. Naorem Khelchand Singh	Assistant professor
Ms. Palungbam Roji Chanu	Assistant professor
Mr. Madhusudan Singh	Assistant professor
Mr. Kamal Kant Kashyap	Technical Assistant
Mr. Seizalal Singson	Technical Assistant
(On Contractual Basis)	
Ms. Rini Lahiri	Assistant professor and Head
Mr. Krishna Dutta	Teaching Assistant
Ms. Smaranika Subhasini	Teaching Assistant
Mr. Asolo Kent	Technician

The list of available laboratories in the Department of Electronics and Communication Engineering are mentioned below in Table 18b:

Table 18b. Laboratories in the Dept. of Electronics and Communication Engg.

S.No.	Name of the Laboratory
i.	Basic Electronics Laboratory
ii.	Digital Principles and System Design Laboratory
iii.	Electronic Circuits Laboratory
iv.	Microprocessor and Microcontroller Laboratory
v.	Linear Integrated Circuits Laboratory
vi.	Embedded Systems Laboratory
vii.	Digital Signal Processing Laboratory

S.No.	Name of the Laboratory
viii.	Control System Laboratory
ix.	VLSI Design Laboratory
x.	Microwave and Optical Communication Laboratory
xi.	Digital Communication Laboratory
xii.	System on Chip Laboratory

Research Publications / Seminars / Workshops / Conferences / Short term Courses organized / attended by Faculty members:

1. Debadatta Pati and S. R. Mahadeva Prasanna, "Processing of linear prediction residual in spectral and cepstral domains for speaker information". Int. J. of Speech Technology (Springer), DOI 10.1007/s10772-015-9273-9, Feb. 2015.
2. Dipanjan Nandi, Debadatta Pati and K. S. Rao, "Implicit excitation source features for robust language Identification". Int. J. Speech Technology, Springer, 2015.
3. Naorem Khelchand Singh, Bijit Choudhuri, Aniruddha Mondal, Jay Chandra Dhar, Tamal Goswami, Saptadip Saha, Chitrakleha Ngangbam, "2D Like Photonic Crystal Using In₂O₃-SiO_x Heterostructure Nanocolumn Arrays and Humidity Sensing" Electronic Material Letters, 2014, 10, pp.975.
4. P Chinnamuthu, A Mondal, Jay Chandra Dhar, N K Singh, "Visible light detection using GLAD TiO₂nanowire arrays Japanese Journal of Applied Physics" 2015, 54, pp. 06FJ01.
5. Jay Chandra Dhar and Aniruddha Mondal, "Axial SiO_x-TiO₂ Heterostructure Nanowire Schottky photodiodes for High Performance Detection". International Conference on Nano Science & Engineering Application (ICONSEA-2014) in Jawaharlal Nehru Technical University, Hyderabad.
6. Jay Chandra Dhar and Aniruddha Mondal, Nitrogen doped TiO₂ nanowires based schottky detector: high internal gain The First International Conference on Emerging Materials: Characterization & Application in National Institute of Technology Durgapur and CSIR-Central Glass & Ceramic Research Institute, Jadavpur, Kolkata.
7. Naorem Khelchand Singh and Aniruddha Mondal, UV-Vis broad band photodetector using SiO_x-In₂-xO₃-y heterostructure nanocolumn, 3rd International Conference on Nanotechnology (NANOCON014), Bharati Vidyapeeth University College of Engineering, Pune.
8. Ricky. Anthony, Rini Lahiri and Sambhunath Biswas, "An L-Band-Cascaded Erbium-Doped Fiber Amplifier for Uniform Gain Without Gain Equalizing Filter Microwave and Optical Technology Letters", September 2014, Vol. 56, No. 9.
9. Rini Lahiri and Aniruddha Mondal, A Review on TiO₂ Nanowire Based Photodetector, Conference proceeding of International conference on Emerging Materials: Characterization & Applications.
10. Rini Lahiri, International conference on Emerging Materials: Characterization & Applications, (4th - 6th December 2014). Organized by NIT-Durgapur & CSIR-Ceramic Glass and Ceramic Research Institute, Kolkata.
11. Rini Lahiri, Short-term Course on "Experimental Techniques for Materials Characterizations", (27th February - 3rd March 2015). Organized by Department of Physics, NIT-Durgapur.
12. Rini Lahiri, Familiarization workshop on "Nanofabrication Technologies", (25th - 26th April 2015). Held by Tezpur University & Indian Nanoelectronics User's Programme (INUP), IIT-Bombay.
13. Jay Chandra Dhar, Development of Semiconductor Devices Laboratory in the Department of Electronics and Communication Engineering.
14. Madhusudan Singh, Three days Faculty Development Program at NIT- Nagaland on Feb-2015.
15. Palungbam Roji Chanu, MATLAB Fundamentals WORKSHOP from 12-14 Nov, 2014 at NIT-Nagaland.

5.3 Electrical and Electronics Engineering

The list of Faculty / Staff in the Department of Electrical and Electronics Engineering are mentioned below in Table 19a:

Table 19a. Faculty / Staff in the Dept. of Electrical and Electronics Engineering

Name of the Faculty/Staff	Designation
Ms. D. Ganga	Assistant Professor and Head
Dr. Dipu Sarkar	Assistant Professor

Name of the Faculty/Staff	Designation
Mr. M. Prakash	Assistant Professor
Ms. B. Shakila	Assistant Professor
Mr. Swaraj Banerjee	Assistant Professor
Mr. Dushmanta Kumar Das	Assistant Professor
Ms. Gopa Tewari	Laboratory Assistant
(On Contractual Basis)	
Mr. Gyan Deori	Teaching Assistant

The list of available laboratories in the Department of Electrical and Electronics Engineering are mentioned below:

Table 19b. Laboratories in the Dept. Of Electrical and Electronics Engineering

Sl. No.	Name of Laboratory
i.	Power Systems Laboratory
ii.	Electrical Machines and Drives Laboratory
iii.	Embedded Systems Laboratory
iv.	Power Electronics Laboratory
v.	Measurements and Instrumentation Laboratory
vi.	Data Acquisition Laboratory
vii.	Control Systems Laboratory

Research Publications / Seminars / Workshops / Conferences / Short-term Courses organized / attended by the Faculty members:

- Dipu Sarkar, Abhinandan De, Chandan Kumar Chanda, Sanjay Goswami, "Kruskal's Maximal Spanning Tree Algorithm for Optimizing Distribution Network Topology to Improve Voltage Stability", Electric Power Components and Systems, Page 1921-1930, Vol-43, Issue-17, 2015.
- N.K De, Dipu Sarkar, "Basic Electrical Engineering", (University Press) Orient Blackswan, 2015, ISBN 10: 8173719446 ISBN 13: 9788173719448
- Dushmanta K. Das, Sandip Ghosh and Bidyadhar Subudhi, "An Improved Robust Stability Analysis for Systems with two delays by extracting overlapping feature", Journal of Control and Decision (Taylor & Francis), 2015 pp 1-18, vol. 230.
- Mukesh Kumar, Dushmanta K. Das, Sudish Kumar Singh, Sandip Ghosh, "A New Robust Stability Analysis Approach For Discrete-time System With Time-varying Delay", submitted to IEEE sponsored ICEPE-15, NIT- Meghalaya, 2015.
- Sudish Kumar Singh, Dushmanta K. Das, Mukesh Kumar, Sandip Ghosh, "Delay-dependent Robust Stability Analysis of Non-linear Discrete-time System", submitted to IEEE sponsored ICCCC-15, NIT-Meghalaya, 2015.
- M. Prakash attended training program on "Renewable Energy Sources & Grid Integration" conducted at Power Systems Training Institute (Bangalore) during 22nd - 24th December, 2014.
- B. Shakila attended training program on "Power System Communications, SCADA & EMS" conducted at Power Systems Training Institute (Bangalore) during 24th -28th November, 2014.
- M. Prakash attended short term course on "Renewable Energy & Smart Grids (RESG-2015)" held at PEC University of Technology, Chandigarh during 27th - 31st July 2015.
- B. Shakila attended short term course on "Computational Methods for Smart Grids" held at IIT-Guwahati during 09th -13th March 2015.

5.4 Science and Humanities

The list of Faculty / Staff in the Department of Science and Humanities are mentioned below in Table 20:

Table 20a. Faculty / Staff in the Department of Science and Humanities

Name of the Faculty/Staff	Designation
Dr. Amrit Puzari	Assistant Professor and Head
Dr. Jhimli Bhattacharyya	Assistant Professor
Dr. Jyoti Prasad Borah	Assistant Professor
Dr. Wati Walling	Assistant Professor
Dr. Debarun Dhar Purkayastha	Assistant Professor
Dr. Prem Prakash Mishra	Assistant Professor
Dr. Manoj Kumar Patel	Assistant Professor
(On Contractual Basis)	
Dr. Deep Sarmah	Assistant Professor
Dr. Sanjib Choudhury	Assistant Professor
Mr. Pulak Chutia	Technical Assistant
Mr. Dipraj Saikia	Technical Assistant

The list of available laboratories in the Department of Science and are mentioned below:

Table 20 b. Laboratories in the Department of Science and Humanities

Sl.No.	Name of Laboratory
i.	Physics Laboratory
ii.	Chemistry Laboratory

Research publications / Seminars/ Workshops / Conferences / Short-term Courses organized / attended:

- Jhimli Bhattacharyya, Anirban Basu and Gopinatha Suresh Kumar. Intercalative interaction of the anticancer drug mitoxantrone with double stranded DNA: A calorimetric characterization of the energetics. Journal of Chemical Thermodynamics, 2014, 75, 45-51.
- Jhimli Bhattacharyya, Daisuke Miyoshi, Naoki Sugimoto. On Gold Nano Particle Immobilised DNA Hybridization. Presented at International Conference on Advanced Nanomaterials & Nanotechnology (ICANN-2013) organized by at Indian Institute of Technology-Guwahati, Guwahati, Dec 2013.
- Debarun Dhar Purkayastha, M. Ghanashyam Krishna and V Madhurima. Molybdenum Doped Tin Oxide Thin Films for Self-Cleaning Applications. Materials Letters, 2014, 12, 421-23.
- Debarun Dhar Purkayastha, L.D. Varma Sangani, M. Ghanashyam Krishna and V.Madhurima. Photo-induced Wettability of TiO₂ Film with Au Buffer Layer. AIP Conference Proceedings, 2014, 1591, 881-883.
- Sanjib Choudhury, B. K. Singh and Digna Kalita. Improvement in MSE Estimation of Population Mean using auxiliary Information. International Journal of Agricultural and Statistical Sciences, 2014, 10(2), 325-332.
- Sanjib Choudhury and B. K. Singh, Chain product-cum-dual to Ratio Estimator using to auxiliary characters under double sampling in Sample Surveys. Journal of Applied Statistical Science, 2014, 20(2), 129-148.
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14. R. D. Raland, J. P. Borah and C. Boragohain. Synthesis and Structural Investigation of NIFe₂O₄ Nanoparticles Proceeding of International Conference on Electron Microscopy and XXXV Annual Meeting of Electron Microscopy Society of India (EMSI) University of Delhi, July 2014.
15. Manoj Kumar Patel Some Properties of Semi – projective module and their endomorphism rings. International Conference on Algebra and its Applications, Department of Mathematics, AMU, Aligarh, December 2014.
16. Manoj Kumar Patel Some Properties of Semi-Projective Module, National Conference on Trends in Mathematical Science Research held at Department of Mathematics, Assam University, Silchar, September 2014.
17. Manoj Kumar Patel, AIS on Combination held at Department of Mathematics, HRI Jhansi, Allahabad, 2014.
18. Dr. Prem Prakash Mishra, National Centre for Mathematics Instructional School for Lectures in Numerical Analysis at Punjab University, Chandigarh on June 2014.
19. Dr. Deep Sarmah, National Centre for Mathematics Instructional School for Lectures in Numerical Analysis at Punjab University, Chandigarh on June 2014.

5.5 Civil Engineering

The list of Faculty / Staff in the Department of Civil Engineering are mentioned below in Table 21:

Table 21. Faculty / Staff in the Department of Science and Humanities

Name of the Faculty/Staff	Designation
Mr. Nzanthung Ngullie	Assistant Professor
Mr. Rosang Pongen	Assistant Professor

5.6 Mechanical Engineering

The list of Faculty / Staff in the Department of Civil Engineering are mentioned below in Table 22:

Table 22a. Faculty / Staff in the Department of Science and Humanities

Name of the Faculty/Staff	Designation
Mr. Kevinguto Khate	Assistant Professor

The list of available laboratories in the Department of Science and are mentioned below:

Table 22b. Laboratories in the Department of Science and Humanities

Sl.No.	Name of Laboratory
i.	Workshop

“The direction in which education starts a man will determine his future in life”
Plato

6. TRAINING AND PLACEMENTS

6.1 Introduction

The Training and Placement Cell of the Institute plays a vital role in counselling and providing guidance to the students of the Institute for their professional growth and successful career placement. The placement is a crucial stage between the completion of academic programme of studies and entry into suitable employment. In order to provide sufficient opportunities to the students to secure proper placement, the Placement Cell conducts workshops and mock interviews.

The Cell of the Institute centrally handles all aspects of campus placements for the graduating students of all the departments. The Cell is well-equipped with excellent infrastructure to support all the stages of the placement processes. The concerned staff members also assist in arranging Pre-Placement Talks, Written Tests, Group Discussions and Interviews etc. as per the requirements of the Organizations.

6.2 Placements for the students

From the first outgoing batch 2010 - 2014, 70% of the students got placed in reputed organizations like Indian Army (SSB), National Instruments, IBM, Polaris, Infosys, Aricent, Tech Mahindra, Dynalog Electronics and Ways2capital. The

students have participated in the Summer Training & Internship programmes during the year 2014-15 from the Organizations / Industries / Institutes mentioned below:

- Ameex Technologies Pvt. Ltd., Chennai
- Bhaba Atomic Research Center, Mumbai
- Bharat Heavy Electricals Limited, Haridwar
- Brigosha Technologies Pvt. Ltd., Guwahati
- Centre for Development of Telematics, New Delhi
- Cetpa Infotech Pvt. Ltd., Noida (UP)
- Defence Research & Development Organization (LRDE, Bengaluru)
- Enix Technology, Tiruchirapalli, Tamil Nadu
- Electronics Corporation of India Limited, Hyderabad
- Institute for Plasma Research, Gandhinagar, Gujarat
- Indian Institute of Technology-Bombay
- Indian Institute of Technology-Kharagpur
- Indian Institute of Technology - BHU, Varanasi
- Indian Institute of Technology-Guwahati
- Indian Telephone Industry, Bengaluru
- Mysore Embedded Technology Institute (METI), Mysore

6.3 Placement details

The first batch (2010-2014) students got placements in the following organizations listed in Table 23:

Table 23. First batch (2010-2014) students' placement details

Sl. No.	Name of the Organization	CTC (In Rs.)	EEE	ECE	CSE	Total
1.	NATIONAL STOCK EXCHANGE OF INDIA (NSEIL)	3.27 LPA	----	1	-----	1
2.	POLARIS FINANCIAL TECHNOLOGY	4.05 LPA	----	----	2	2
3.	L&T ECC	5.0 LPA	0	0	0	0
4.	MU- SIGMA	3.27 LPA	0	0	0	0
5.	TECH MAHINDRA	2.74 LPA	0	0	0	0
6.	IBM GLOBAL SERVICE	3.24 LPA	1	1	2	4
7.	NUCLEUS SOFTWARE	4.50 LPA	0	0	0	0
8.	L&T INFOTECH	3 LPA	1	----	1	2
9.	RETAIL ON	4.20 LPA	----	----	2	2
10.	VIRTUSA	5 LPA	----	1	---	1
11.	NOKIA NETWORKS	6.50 LPA	----	1	2	3
12.	FACE	3.0 LPA	1	1	--	2
13.	NATIONAL INSTRUMENTS	INTERN	1	----	--	1

Sl. No.	Name of the Organization	CTC (In Rs.)	EEE	ECE	CSE	Total
14.	ZALONI	2.7 LPA	----	1	----	1
15.	WIPRO	3.15 LPA	1	1	----	2
16.	VODAFONE	4.2 LPA	----	2	----	2
17.	DRDO	AS PER SCALE OF PAY	0	0	0	0
18.	AMAZONE	13.0 LPA	0	0	0	0
19.	SMARTICAN	4 - 10 LPA	0	0	0	0
20.	INDIAN ARMY	7.0 LPA	2	5	1	8
21.	HP INDIA LTD.	3.5 LPA	----	1	1	2
22.	PRADAN	4.5 LPA	1	1	1	3
23.	AMDOCS	4.8 LPA	0	0	0	0
24.	GOOD THROUGH SOFTWARE SOLUTIONS PVT. LTD.	2.4-3.0 LPA	1	----	----	1
25.	WAYS2CAPITAL	3.45 LPA	3	2	1	6
26.	EPIC RESEARCH	3.5 LPA	2	3	----	5
27.	MAGNETI MARELLI	4.0 LPA	----	2	----	2
28.	MONEY CAPITAL HEIGHT RESEARCH PVT. LTD.	3.3 LPA	4	5	4	13
29.	TRIFID RESEARCH	2.4 LPA	1	---	1	2
30.	FRESHDESK	4.5 - 6.5 LPA	0	0	0	0
31.	CAPITAL VIA	4.02 LPA	3	2	----	5
32.	BHARAT PETROLEUM CORPORATION LIMITED	AS PER SCALE OF PAY	4	---	---	4

6.4 Placement Statistics

The details are as under:

- Total number of students registered for Placement : 71
- Total number of student placed : 55
- Percentage of students placed : 77.46%

6.5 Placement of the second out-going batch

In respect of the second outgoing batch (2011 - 2015), 75 percent of the students got placed so far in reputed organizations like NSE (National Stock Exchange), IBM (GBS), Wipro, Polaris Financial, Virtusa, HP India Limited, LNT Infotech, Nokia Networks, Ways2capital and Ameex Technologies.

*“He, who opens a school door, closes a prison”
-Victor Hugo*

7. CENTRAL FACILITIES AND SERVICES

7.1 Computer Centre

The Institute has a computer centre to provide campus-wide networking via dedicated NKN connectivity of 100Mbps bandwidth. The Institute also has redundant 8Mbps connectivity from BSNL. All the activities related to Internet connectivity are taken care of by the experienced staff members of the centre.

7.2 Central Library

The Central Library provides modern collection of knowledge resources and innovative information through acquisition, organization and dissemination of knowledge resources and also provides on-demand access to the available intellectual resources and research products to the faculty and students of the Institute, as well as to the greater community of learners beyond NIT Nagaland with the support of value-added services to the users.

With the addition of 2133 books during the year 2014-2015, the Central Library has a total collection of over 8046 volumes in the area of Engineering, Technology, Physical Sciences, Management, Social Sciences and Humanities including text books and reference books. The Central Library is also having 1400+ e-books as well as 700+ e-journals on Computer Science, Engineering, Materials Science and Physical Science, and other non-book materials such as audio-visual materials, NPTEL videos, CDs/DVDs, etc. The library also has the latest collection of periodicals, magazines and newspapers. The library is well-furnished with book-shelves and the books are arranged subject-wise according to the Dewey decimal classification.

The Library is fully computerized by using “i-Kollege” Web based Integrated Management System with RFID Technology and circulation services are executed through RFID enabled Smart ID systems. The computerized bibliographic database for the entire collection has been made available in Machine Readable format and tagging of RFID of entire collections is up to date. The library is connected to the campus LAN and Wi-Fi to facilitate the users to access the electronic resources available in the library. Photocopy, printing and scanning facilities are also available in the library in limited quantity at nominal rate.

7.3 Laboratories

The laboratories such as Electrical Machines and Drives laboratory, Advanced Communication laboratory and VLSI design laboratory were built with state-of-the-art facilities in such a way that classes can be held for both the UG and PG courses. The facilities in the laboratories also have extensive scope for carrying out projects and research activities. The Electrical Machines are low power machines to suit the condition of the earth. The machines are integrated with LabVIEW software to test and analyze the performance parameters. The Electronics laboratory is established with Cadence software which is useful in understanding the chip design. A research laboratory having various sensors and data acquisition systems is established to experiment and interact with real world. State-of-the-art Power Systems Laboratory has been established which enables the Under-graduate, Post-graduate and Research scholars to enrich their knowledge by using SCADA and Mipower software. The prototypes for Generation, Transmission and Distribution of power are available to study the system performance in a practical manner.

7.4 Fee waiver for SC / ST students

All the SC / ST students of the Institute are exempted from the payment of semester's tuition fees.

7.5 Games and Sports

Apart from academic activities, the students are very enthusiastic in games and sports. Facilities have been created for the students to play football, volleyball, basketball, cricket and other games. It is an acknowledged fact that NIT Nagaland along with its emphasis on academics gives no less priority to games and sports. Throughout the year, various sports activities are being conducted, giving ample opportunities to the students to prove their proficiency. The sports equipments / kits are issued to the students for both practice sessions as well during tournaments.

With a view to develop sportive nature among the students, many activities like Kabaddi Tournament, Collage-making Competition, Photography Competition, Chess Competition,

Carrom Tournament, Debate Competition and Volleyball Tournament were conducted. The students have also organized many events to improve their aptitude skills.

7.6 Dispensary

The Institute has a dispensary facility with a visiting doctor from the District Government Hospital, Dimapur on a weekly basis. Due care is being taken towards health for all students. The Institute's vehicle (ambulance) is available on 24*7 basis and the students can use this facility to visit the District Hospital in case of emergency.

7.7 Workshop

The Workshop is provided with various engineering tools and equipments where all the first semester under-graduate students are provided with an exposure to hands-on experience on various basic engineering practices in Civil, Mechanical, Electrical and Electronics Engineering. It forms an integral part for the Department of the Mechanical Engineering (proposed

to be started from the academic year of 2016-17) as well as other departments for carrying out manufacturing activities for the purpose of research, training and also during project work in B.Tech., M.Tech. and at Ph.D. level. Due to the availability of various maintenance tools and machines, workshop section also provides a supporting hand to the Institute's maintenance section. The Workshop of the Institute has various sections as listed below:

- Plumbing
- Carpentry
- Welding
- Fitting
- Sheet metal
- Electrical Engineering
- Electronics Engineering
- Machining
- Forging
- Foundry



Figures 2a and 2b. Machines inside the Workshop and Lathe Machines

7.8 Other facilities

The Institute has an operating centre of the State Bank of India where the SBI personnel attend two days in a week to offer necessary banking services. The Institute is also equipped with the ATM of the State Bank of India for the convenience

of students and staff members. The Institute has a Canteen, where healthy and tasty food items are available. A new mess building was established with modern kitchen facilities for the preparation of food and dining purposes. The Institute has a Dispatch Section which takes care of handing over the posts / parcels to the faculty, staff members and the students.

“Education should be so revolutionized as to answer the wants of the poorest villager, instead of answering those of an imperial exploiter”

—Mahatma Gandhi

8. INFRASTRUCTURE DEVELOPMENT ACTIVITIES

8.1 Appointment of Project Management Consultancy

The Expression of Interest for appointment of Project Management Consultant for NIT-Nagaland was released as per the resolution made in BWC 002.01 through Notice Inviting EOI No. 0064/NIT-N/EO/01-03/2014 dated 16-01-2014. About 10 Central Public Sector Undertaking Units had shown their expression of interest towards this tender. A meeting was convened at 3.20 p.m. on 07-02-2014 at the Administrative Block, NIT Nagaland to open the technical bids received till 07-02-2014, 3:00 p.m. as per the notification in the presence of the representatives from the organizations. The technical bids were opened at 4:00 p.m. on 07-02-2014, and the eligibility criteria and other required details submitted by the bidders were documented and verified. The next day i.e. on 08-02-2014 by 10:00 a.m., the financial bids of the successful technical bidders were opened and the Project Management Consultancy charges quoted by each vendor are announced. Among all the technically successful bidders, FEDO (FACT Engineering Design and Organization), Cochin, Kerala was found to be the lowest bidder with consultancy charges quoted as 4.9 percent plus service tax as applicable. Hence the contract for Project Management Consultant was awarded to FEDO, Cochin, Kerala.

8.2 Establishment of Campus Networking

The complete IT infrastructure with respect to Campus Networking has been established. Optical Fiber Cable communication with strength 100 Mbps is established by NKN and redundant 8 Mbps by BSNL. All the students, research scholars can avail the facility to connect to the online video lectures conducted in various reputed Institutes across the globe. The Institute has established facilities for Video Conferencing to conduct classes of other renowned professors in remote and show video lectures of NPTEL during the class. The Phase I contents of NPTEL courses were obtained from IIT Madras for the students and Faculty members to refer.

8.3 Establishment of Power Systems Laboratory

A modern Power Systems Laboratory that has different capabilities for experimental research and educational purposes was established. This set-up will enable the students and

research scholars to model the realistic behaviour of a large Power System. The Laboratory set-up will be an excellent base not only for innovative research ideas; but also for teaching Power Systems Engineering concepts to UG and PG students who are interested to get an overall idea of Power System operations and Smart Grid. The main aim is to integrate the power system components together that involves both hardware and software interactions using appropriate Communication and Information Technologies.

8.4 Developmental activities

The developmental activities in the permanent campus had been commenced with immediate effect for providing with all the academic and administrative facilities for effective functioning. An MoU was signed with Hindustan Prefab Limited (HPL), a Government of India Enterprise, during April 2012 to carry out the construction of pre-fabricated buildings. The class rooms and laboratory sheds were established with pre-fabricated buildings to meet the urgent requirements. Four hostel buildings, three for Boys and one for Girls were also constructed with pre-fab structures. The buildings constructed for the Office of the Deputy Commissioner were also refurbished to make them suitable for educational purpose. One building was made both for academic and administrative purpose, in which all the offices, computer laboratories, electronics laboratory, server room and library were established. A unique logo has been designed and created for the Institute. Efforts have been made to bring continuous water supply to the campus from the nearby perennial river.

8.5 Expansion of the campus

In order to expand the campus, it has been proposed to have conventional RCC buildings rather than Pre-fab structures in the next phase of construction. The Fact Engineering and Design Organization (FEDO) has been identified as Project Management Consultant through open tender. Consecutively, Master Plan was drafted and approved by the BoG. To ensure the safety of the campus, fencing is being laid at the periphery of the campus area.

8.6 Proposal of 1 MW Grid-connected Solar Photo voltaic Power Plant

Development is driven by energy, whether in the form of finite resources or renewable form. For future growth to be rapid and sustainable, energy has to be resource- efficient and environment-friendly to the extent possible. Sustainable use of energy is the key word. It is proposed that the project would be started at the earliest and certainly at the beginning of 2016-17.

It is predicted that the installed power generating capacity will not be keeping pace with the projected demand in the near future. Thus, it is necessary to set up alternative power plants. Solar energy sources are environment-friendly and renewable, thus making excellent options for the NIT Campus to be self-sufficient in energy. Solar Photovoltaic (PV) is a method of

generating electrical Power by Converting Solar Radiation directly into DC (Direct Current) electricity. Photovoltaic power generation employs solar panels composed of a number of solar cells containing a photovoltaic material.

As the Grid-connected Solar Photovoltaic Power Plant has been widely accepted as a viable solution to adopt alternative energy, NIT Nagaland has proposed supply, installation and commissioning of a 1000 KW Grid Connected Solar Photovoltaic Power Plant to feed a local ACDB (at 415 voltage) situated within 50 metres from a proposed 'Solar Garden' which will utilise roughly 5 acres of land. This can be used as back-up power supply for the various Departments, Hostels and Staff Quarters. The Institute is exploring options of the various subsidies available through the Ministry of Renewable Energy, Govt. of India, to implement the project.

8.7 Water Treatment Units in the Campus

As NIT Nagaland is situated in a hilly terrain with the Department

Buildings, Hostels and Quarters located in different elevations, single centralised water treatment unit has not been found to be feasible in preliminary surveys.



Figure 3. Water Treatment Unit

To meet the needs of the growing population inside the campus, construction of two 70 kL decentralised water treatment plants have been started in addition to an already existing functional plant. The compact plants with aeration, sedimentation chamber and Rapid Sand Filters will treat the water for particular zones like Hostels area and Staff Quarters area.

8.8 Rain water harvesting in the campus

In order to ensure sufficient storage of water during the dry months, NIT Nagaland has taken steps to harvest rain water from

the terraces/ roofs of the buildings through the gutters and rain water down-take pipes. At some locations, it has been planned to channelize the surface drain-off water towards the rain water harvesting tanks. The Institute engaged a specialised agency to provide and execute the 'Modular Technology' for storage and reuse of rain water and diversion of the excess water exceeding the designed volume to the open valley area. At present, there are twelve rain water harvesting tanks inside the campus out of which three units are having a capacity of 100kL and the remaining nine units are having a capacity of 50 kL.

“Teaching is a very noble profession that shapes the character, calibre, and future of an individual. If the people remember me as a good teacher, that will be the biggest honour for me -”

A. P. J. Abdul Kalam

9. RESEARCH ACTIVITIES AND INNOVATIVE MEASURES

9.1 Research and Development

Research is an integral component of any educational programme. In order to do research in a meaningful manner, it is imperative to review the recent advances in the concerned subjects from time to time. The main purpose of attending International Seminars, holding conferences etc. is to have interactions with the scientists, mathematicians, engineers and management experts, and thus come to know about the advances made in the recent past in the broad areas of Engineering Sciences, Material Sciences, Mathematical Sciences, Physical Sciences, Environmental Sciences and Sustainable Development. This is expected to provide a boost to the research activities.

The Institute has taken up challenges to create potential and productive research culture in the Institute in the process of which notable exercises are: introduction of Ph.D. programmes in Computer Science & Engineering, Electronics & Communication Engineering, Physics, Chemistry and Mathematics; organization of research conferences; and encouraging and sponsoring members of faculty to enrol as members of scientific & professional societies. In the process of bolstering the research activities, many faculty members have published research papers in leading national and international journals.

9.2 Research activities and facilities

Research works are being carried out in all the departments in various thrust areas like Smart Grids, Big Data Analytics, Nanomaterials, 5G Communication, e-Governance, Security in Computing etc. Continuous steps are being taken to improve the facilities to be provided for the Research activities.

Mission 10x programme was organized by Wipro Technologies during February 2014 for the faculty members to explore the new methodologies in teaching, the techniques to practice various methods for teaching and to improve the student-staff relationship.

9.3 Innovative measures

An Industry - Institute conclave was held at NIT-Nagaland during February 2014 by inviting leading MNCs for the first time in the NE region. The conclave has not only given an

opportunity for proposing Centres of Excellence with IBM, HP and Technology Learning Centre by Wipro but also for the recruitment of students.

The skill development programmes to get expertise in the aptitude learning, Group Discussion, Personality Development and social awareness were organized. A special counselling session was also conducted for the students. Programmes such as hands-on-practice in VLSI design, Embedded Systems, Workshop on Networking Fundamentals, Matlab, PSIM and Lab View were conducted. Many special lectures including training for Indian Engineering Services and Skill Development Programme for SC/ST students by the Ministry of Micro, Small & Medium Enterprises were organized for the benefit of the students.

The guidelines for using Cumulative Professional Development Allowance for all the regular faculty members were framed and subsequently the approval has been obtained from Senate and BoG. This scheme enables all the regular faculty members to attend National / International conferences and other academic and research events with financial assistance.

The meeting of the Performance Analysis Committee was convened on July, 2014 to analyze the academic system followed by the Institute. The committee has gone through the regulations and got satisfied with the academic system. Based on the approval of the BoG, new grade cards and provisional degree certificate have been designed and dispatched.

9.4 Latest technological inputs

The complete IT infrastructure with respect to Campus Networking has been completed during September 2014 with Video Conferencing facilities. All the students, research scholars can avail the facility to connect to the online video lecturers conducted in various reputed Institutes across the globe. Later the NKN connectivity strength has been increased to 1 Gbps. The Institute has established the facilities for Video Conferencing to conduct classes of other renowned professors in remote and to view video lectures of NPTEL during the class.

The Institute has also procured 1500 numbers of highly valuable online books from Wiley publications and Elsevier in Electrical and Electronics Engineering, Electronics and Communication

Engineering and Computer Science and Engineering and procured on-line access to e-journals and e-books from Elsevier and Springer.

The Institute proposes to invite leading organizations such as IBM, Wipro and HP initially to set up Centre of Excellence, which houses advanced laboratories such as “Finishing Laboratories”, a HP initiative, “High Performance Computing”, an IBM initiative and “Mission 10X Technology Learning Centre”, an initiative by Wipro. This will be useful to students and faculty of NIT-Nagaland in all aspects of academic growth and this initiative

will definitely bring Industrial collaboration and growth to the State of Nagaland.

9.5 Research Advisory Board

In order to streamline the activities of research Programmes of the Institute as per the Special Regulations – 2012, a Research Advisory board is constituted with the approval of the Senate. The members of the Research Advisory Board are listed below in Table 24:

Table 24. Members of the Research Advisory Board

Sl. No.	Name & Designation
i.	Dr. V. Jagadeesh Kumar, Professor, Department of Electrical Engineering & Director, Central Electronics Centre, IIT Madras
ii.	Dr. V. Sankaranarayanan, Former Member Secretary Tamil Nadu State Council for Science and Technology
iii.	Dr. S. Selvakumar, Professor and Head, Department of Computer Science and Engineering, NIT Tiruchirappalli
iv.	Dr. S. R. Mahadeva Prasanna, Professor, Department of Electronics and Electrical Engineering, IIT Guwahati
v.	Dr. Rowena Robinson, Professor, Department of Humanities and Social Sciences, IIT Bombay
vi.	Dr. P. Bharali, Former Director, Operations, Oil India Limited
vii.	Dr. T. N. Saha, Professor (Retd.), IIT Kharagpur
viii.	Dr. Jhimli Bhattacharyya Associate Dean (Academic), NIT Nagaland
ix.	Dr. Dipu Sarkar Associate Dean (Research), NIT Nagaland
x.	Dean (Research), NIT Nagaland

“The highest education is that which does not merely give us information, but makes our life in harmony with all existence”

-Rabindra Nath Tagore

10. STUDENT'S ACTIVITIES AND OTHER CELEBRATIONS

10.1 Intermural competition

The Institute regularly organizes the Inter-Hostel Sports Competition for both Boys & Girls (as shown in the Figure 4) and encourages the students to participate in national level. A brief overview of the various events that form a part of the annual lifestyle of a student is as follows:

Arm wrestling
Badminton

Carrrom
Chess
Cricket
Kabbadi
Table tennis
Volleyball
Futsal



Figure 4. Winners of the Inter-Hostel Sports

10.2 All India inter-NIT participation

The Institute participated in the All India Inter-NIT tournaments in February – March, 2015 as per the following details

- i. All India Sports Meet'(Cricket): NIT Allahabad
- ii. 'II NIT Literacy Meet' (Debate and Quiz Completion): NIT Agartala
- iii. Volley Ball: NIT Kurukshetra

10.3 Literary and Cultural Activities

The Institute also encourages all the students to participate in various cultural and literary activities which are periodically conducted throughout the whole academic year. The literary competitions like Debate, Dexterzz 0.2, Expression were organized by the students. The cultural activities were celebrated by the students, faculty and staff members during the academic year 2014-2015.

10.4 Celebration of Fresher's welcome and Farewell events

The student community of the Institute organized the Freshers' party, Fresher's Social -2014 on 28 February, 2014. In true sense, it is an introductory function for the new comers where they get to know about the adopted culture of the Institution of which they would be a part herein after. The students showcased their talents in the form of folk dance, group dance, songs etc. Farewell party was also organized by the student community of NIT-Nagaland on 11 May, 2015 for the final year students.

10.5 NIT-Nagaland Technical Club activities

Technical Club organized 'Robotronix' i.e. a robotic workshop, where they developed their own models by their own hands. The workshop focused on application and use of technology rather than their internal working so that students can grasp the

concept well. Apart from this, student also organized events like Science of Deduction and Simulator Technical Events to improve their programming skills.

10.6 Other celebrations and activities:

The following programmes were organised/celebrations were arranged during the academic year 2014-2015:

I. Swachh Bharat Abhiyan (Clean India Campaign): The Swachh Bharat Abhiyan (Clean India Campaign) was successfully organized under the leadership of Director Dr. V. Ramachandran and Deputy Registrar & Public Information Officer Mr. Nzanthung Ngullie in association with the students, faculty and staff members on 2nd Oct, 2014 (as shown in Figure 5) on the eve of the birth day of Mahatma Gandhi. Massive cleaning and sweeping was done in the different hostels and Institute's campus during this campaign.



Figure 5. Faculty and Students during Swachh Bharat Abhiyan

II. Rashtriya Ekta Diwas – National Unity Day (Run for Unity): It was observed on 31st October, 2014 on the eve of the birth day of Sardar Vallabhai Patel. The students, faculty and staff

members participated in the “Run for Unity” as shown in Figure 6 below:



Figure 6a. Faculty and Students of NIT-Nagaland during Rashtriya Ekta Diwas



Figure 6b. Faculty of NIT-Nagaland during Rashtriya Ekta Diwas

“It is the supreme art of the teacher to awaken joy in creative expression and knowledge”

-Albert Einstein

11. MISCELLANEOUS

11.1 Remedial Measures

Various other important issues pertaining to the Institute are brought out hereunder in a precise form. The Institute has already set up certain units/cells for properly handling the following items of works which are of very much importance in the functioning of administration of an 'Institute of National Importance':

Prevention of sexual harassment

The sexual harassment cell functioning in the Institute is maintaining a vigilant watch on any untoward incident which may outrage the modesty of girl students or lady employees or women family members of the employees. Till date, no such incident has come to the notice. The cell is functioning under the Chairmanship of the Director along with other supporting members.

Prevention of harassment towards SC/ST

There is a cell for prevention of harassment towards SC/ST students and employees etc. in the Institute. It is keeping watch on this aspect. The cell is headed by Mr. Nzanthung Ngullie, Deputy Registrar.

Online/Offline Public Grievances

The Institute has a Public Grievances Cell which handles all the cases of grievances received from the students and employees of the Institute. Mr. Nzanthung Ngullie, Deputy Registrar is the Co-ordinator of this Cell.

Online/Offline RTI Matters

ARTI Cell is functioning under the supervision of Mr. Nzanthung Ngullie, Deputy Registrar. He is also the CPIO of the Institute. The Appellate Authority of the Institute is the Director.

Care for Physically Handicapped Persons

The Physically Handicapped Persons Care cell is to ensure that the physically handicapped students do not face any problem in attending classes and going to or staying in hostels in this hilly region. The cell also handles all the problems being faced by physically handicapped students and employees of the Institute. Dr. Jyoti Prasad Borah, Associate Dean (Student Affairs) is the Co-ordinator of the Cell.

Anti-ragging machinery

The Institute and its campus as well as the hostels are totally free from the menace of ragging. The Cell is keeping a strict watch and vigilance on the state of affairs in this regard. Dr. A. Wati Walling, Executive Warden is the Chairman of the Cell.

11.2 Security arrangements

The security of the campus of the Institute is being maintained through outsourcing. Security personnel are responsible for maintenance of security and sorting out the law and order problems in the campus. At present, there are 30 Security Guards and no Armed Security Guards. The existing security team is also responsible for running rescue operations in the campus in case of any accident or natural disaster.

11.3 Medical attention

Necessary arrangements of medical facilities have been provided by the Institute round the clock in the campus including the Academic block and Residential block. One ambulance always remains present in the campus so as to tackle all types of emergencies. Necessary tie-ups have been made with the Dimapur Government Hospital for the purpose. Suitable counselling is provided to the students so as to enable them to overcome any stress. Necessary steps have also been taken to ensure confidence building among the students so that they can continue their studies in a tension-free atmosphere.

11.4 Scholarship to SC/ST

The Institute is providing fee-waver and scholarships to SC/ST, and merit scholarships to the meritorious students. The Institute is also planning for grant of waiver in fees to the deserving students and girl students. The scholarship section is being headed by Dr. Jyoti Prasad Borah, Associate Dean (Student Affairs) of the Institute.

11.5 Liaison Officer

In compliance with the instructions issued by the Govt. of India on reservation of posts for persons belonging to SC/ST/OBC/PH category in government services, Mr. Nzanthung Ngullie, Deputy Registrar has been designated to function as the common Liaison Officer of the Institute. He is to oversee compliance of the reservation orders issued in favour of SCs/STs/OBCs/PHs, for ensuring prompt disposal of grievances, and to scrutinize and consolidate relevant statistical data. In the performance of his duties, he is to collect necessary information/documents on the relevant subject from Administration Unit of the Institute for ensuring strict compliance of the Rules and Regulations of the Govt. of India in this regard. Mobile No. and E-mail id of Mr. Nzanthung Ngullie are +919856041074 and nzan01@gmail.com, respectively.

11.6 Celebrations

The Institute celebrates the Independence Day Ceremony on 15th August and Republic Day Ceremony on 26th January every year in a colourful manner. The National Flags are hoisted with due honour in the presence of dignitaries.

11.7 Empowerment through education

To encourage the school students in the nearby areas to pursue technical education, the students of NIT Nagaland took up an initiative with the support of the faculty members to give free tuitions in Mathematics and Science to the 10th and 10+2 students appearing at their board examinations. Two schools near the Institute namely St. Savio School, Chumukedima and Emmanuel School, Chumukedima were supported through this initiative. Owing to the tireless efforts of nearly fifteen student volunteers of the Institute, students of both the schools had a

marked improvement in their performances during the State Board Examinations. The Institute earned the goodwill of a large number of the local populace through this initiative.

11.8 National Integration

In the National Institutes of Technology, students of all the States and Union Territories of India are studying as per the existing scheme of admission approved by the Government of India. NIT Nagaland has having students from all the parts of the country. They arrange various cultural programmes which provide a wide range of colourful regional flavour with an overall fusion of national taste and federal character. From all the parts of the country, they come and mix up with each other. They share various ethnic cultures, regional practices, societal behaviour and religious beliefs while promoting the spirits of National Integration.

*“Learning is the true imperishable wealth; Other things are not wealth”
- Thiruvalluvar Thirukkural*

**Annual Accounts
2014 - 2015**

NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND
CHUMUKEDIMA :: DIMAPUR :: NAGALAND - 797103
BALANCE SHEET AS AT 31ST MARCH 2015

Amount in Rupees

SOURCES OF FUNDS	Schedule	Current Year	Previous Year
CORPUS/CAPITAL FUND	1	1267252509.00	964038832.00
DESIGNATED/ EARMARKED / ENDOWMENT FUNDS	2	0.00	0.00
CURRENT LIABILITIES & PROVISIONS	3	38450301.00	29784847.00
TOTAL		1305702810.00	993823679.00

APPLICATION OF FUNDS	Schedule	Current Year	Previous Year
FIXED ASSETS	4		
Tangible Assets		961691997.00	626291887.00
Intangible Assets		11545807.42	4195465.00
Capital Works-In-Progress		247756166.00	250000000.00
INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS	5		
Long Term		0.00	0.00
Short Term		0.00	0.00
INVESTMENTS - OTHERS	6	0.00	0.00
CURRENT ASSETS	7	80623364.58	57487549.00
LOANS, ADVANCES & DEPOSITS	8	4085475.00	55848778.00
TOTAL		1305702810.00	993823679.00

SIGNIFICANT ACCOUNTING POLICIES	23
CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS	24

Place : Chumukedima

Date : 20.03.2016

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2015

Amount in Rupees

Particulars	Schedule	Current Year	Previous Year
INCOME			
Academic Receipts	9	24671293.00	19002960.00
Grants / Subsidies	10	16408650.58	104560000.00
Income from investments	11	0.00	1509898.00
Interest earned	12	0.00	0.00
Other Income	13	1869580.00	971901.00
Prior Period Income	14	45900.00	0.00
TOTAL (A)		42995423.58	126044759.00
EXPENDITURE			
Staff Payments & Benefits (Establishment expenses)	15	46496052.00	31534847.00
Academic Expenses	16	11508961.00	5166217.00
Administrative and General Expenses	17	17833952.00	28631901.00
Transportation Expenses	18	619559.00	111719.00
Repairs & Maintenance	19	3797242.00	767171.00
Finance costs	20	32599.00	25366.00
Depreciation	4	43084731.00	78950508.00
Other Expenses	21	0.00	0.00
Prior Period Expenses	22	0.00	0.00
TOTAL (B)		123373096.00	145187729.00
Balance being excess of Income over Expenditure (A-B)		-80377672.42	-19142970.00
Transfer to / from Designated Fund			
Building fund			
Others (specify)			
Balance Being Surplus / (Deficit) Carried to Capital Fund		-80377672.42	-19142970.00

Significant Accounting Policies 23

Contingent Liabilities and Notes to Accounts 24

Place : Chumukedima

Date : 20.03.2016

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2015

RECEIPTS		Amount in Rupees		PAYMENTS	Current Year	Previous Year
		Current Year	Previous Year			
I.	Opening Balance			I. Expenses		
	a) Cash Balances	8924.00	0.00	a) Establishment Expenses	46496052.00	0.00
	b) Bank Balance			b) Academic Expenses	11313871.00	0.00
	i. In Current accounts	57004876.00	0.00	c) Administrative Expenses	17833952.00	0.00
	ii. In Deposit accounts	0.00	0.00	d) Transportation Expenses	619559.00	0.00
	iii. Savings accounts	473749.00	0.00	e) Repairs & Maintenance	3797242.00	0.00
II.	Grants Received			f) Prior period expenses	0.00	0.00
	a) From Government of India	40000000.00	0.00	g) Finance Cost	32599.00	0.00
	b) From State Government	0.00	0.00	Payments against Earmarked/ Endowment Funds	0.00	0.00
	c) From other sources (details)			Payments against Sponsored Projects/Schemes	0.00	0.00
III.	Academic Receipts			Payments against Sponsored Fellowships/ Scholarships	195090.00	0.00
IV.	Receipts against Earmarked/ Endowment Funds	24671293.00	0.00	Investments and Deposits made		
V.	Receipts against Sponsored Projects/Schemes	0.00	0.00	a) Out of Earmarked/Endowments funds	0.00	0.00
VI.	Receipts against sponsored Fellowships and Scholarships	0.00	0.00	b) Out of own funds (Investments- Others)	0.00	0.00
VII.	Income on Investments from Earmarked/Endowment funds	568134.00	0.00	Term Deposits with Scheduled Banks	0.00	0.00
VIII.	b) Other investments			Expenditure on Fixed Assets and Capital Works - in-Progress		
	Interest received on			a) Fixed Assets	78335183.42	0.00
	a) Bank Deposits	0.00	0.00	b) Capital Works- in- Progress	305256166.00	0.00
	b) Loans and Advances	0.00	0.00	Other Payments including statutory payments	4424429.00	0.00
	c) Savings Bank Accounts	0.00	0.00	Refunds of Grants		
IX.	Investments encashed	0.00	0.00	Deposits and Advances	88939833.00	0.00
X.	Term Deposits with Scheduled Banks encashed	0.00	0.00	Other Payments	0.00	0.00
XI.	Other income (including Prior Period Income)	1347346.00	0.00	Closing balances		
XII.	Deposits and Advances	146900808.00	0.00	a) Cash in hand	16389.00	0.00
XIII.	Miscellaneous Receipts including Statutory Receipts	689221.00	0.00	b) Bank balances		
XIV.	Any Other Receipts - Capital Work in Progress refund	0.00	0.00	In Current Accounts	801332226.58	0.00
				In Savings Accounts	473749.00	0.00
				In Deposit Accounts	0.00	0.00
	TOTAL	637867341.00	0.00	TOTAL	637867341.00	0.00

SCHEDULE 1 - CORPUS/CAPITAL FUND

Amount in Rupees

Particulars		Current Year	Previous Year
Balance at the beginning of the year		964038832.00	298497229.00
Add:	Contributions towards Corpus/Capital Fund	0.00	0.00
Add:	Grants from UGC, Government of India and State Government to the extent utilized for capital expenditure	383591349.42	680440000.00
Add:	Assets Purchased out of Earmarked Funds	0.00	0.00
Add:	Assets Purchased out of Sponsored Projects, where ownership vests in the institution	0.00	0.00
Add:	Assets Donated/Gifts Received	0.00	0.00
Add:	Other Additions	0.00	4244573.00
Add:	Excess of Income over expenditure transferred from the Income & Expenditure Account	0.00	0.00
TOTAL		1347630181.42	983181802.00
(Deduct)	Deficit transferred from the Income & expenditure Account	80377672.42	19142970.00
Balance at the year end		1267252509.00	964038832.00

SCHEDULE 2 - DESIGNATED/ EARMARKED / ENDOWMENT FUNDS

Amount in Rupees

Particulars	Fund wise Breakup				Total	
	Fund AAA	Fund BBB	Fund CCC	Endowment Funds	Current Year	Previous Year
A.						
a) Opening balance	0.00	0.00	0.00	0.00	0.00	0.00
b) Additions during the year	0.00	0.00	0.00	0.00	0.00	0.00
c) Income from investments made of the funds	0.00	0.00	0.00	0.00	0.00	0.00
d) Accrued Interest on investments/Advances	0.00	0.00	0.00	0.00	0.00	0.00
e) Interest on Savings Bank a/c	0.00	0.00	0.00	0.00	0.00	0.00
f) Other additions (Specify nature)	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL (A)	0.00	0.00	0.00	0.00	0.00	0.00
B.						
Utilisation/Expenditure towards objectives of funds						
i) Capital Expenditure	0.00	0.00	0.00	0.00	0.00	0.00
ii) Revenue Expenditure	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL (B)	0.00	0.00	0.00	0.00	0.00	0.00
Closing balance at the year end (A - B)	0.00	0.00	0.00	0.00	0.00	0.00
Represented by						
Cash And Bank Balances	0.00	0.00	0.00	0.00	0.00	0.00
Investments	0.00	0.00	0.00	0.00	0.00	0.00
Interest accrued but not due	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00

SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS

Amount in Rupees

	Current Year	Previous Year
A. CURRENT LIABILITIES		
1. Deposits from staff	0.00	0.00
2. Deposits from students (Caution Money)	2832000.00	2023000.00
3. Sundry Creditors	0.00	0.00
a) For Goods & Services (As per Annexure 'A')	18031033.00	19306204.00
b) Others	0.00	0.00
4. Deposit-Others (including EMD, Security Deposit) (As per Annexure 'B')	9896087.00	3232244.00
5. Statutory Liabilities (GPF, TDS, WC TAX, CPF, GIS, NPS): (As per Annexure 'C')		
a) Overdue	514539.00	251649.00
b) Others	55777.00	21933.00
6. Other Current Liabilities	0.00	0.00
a) Salaries	0.00	0.00
b) Receipts against sponsored projects	0.00	0.00
c) Receipts against sponsored fellowships & scholarships	23950.00	203050.00
d) Unutilised Grants	0.00	0.00
e) Grants in advance	0.00	0.00
f) Other funds	0.00	0.00
g) Other liabilities (As per Annexure 'D')	6796915.00	4746767.00
Total (A)	38150301.00	29784847.00
B. PROVISIONS		
1. For Taxation	0.00	0.00
2. Gratuity	0.00	0.00
3. Superannuation Pension	0.00	0.00
4. Accumulated Leave Encashment	0.00	0.00
5. Trade Warranties/Claims	0.00	0.00
6. Others - Internal Audit	300000.00	0.00
Total (B)	300000.00	0.00
Total (A+ B)	38450301.00	29784847.00

SCHEDULE 4 - FIXED ASSETS

S.No.	Assets Heads	Gross Block					Depreciation for the Year				Net Block	
		Opening Balance On 01.04.2014	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Depreciation for the Year	Deductions/ Adjustment	Total Depreciation	31.03.2015	31.03.2014	
1	Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	Site Development	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	Buildings	579524848.00	312404666.00	0.00	891929514.00	50821549.00	16822159.00	0.00	67643708.00	824285806.00	528703299.00	
4	Roads & Bridges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	Tubewells & Water Supply	180700.00	6307931.00	0.00	6488631.00	24960.00	129273.00	0.00	154233.00	6334398.00	155740.00	
6	Sewerage & Drainage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	Electrical Installation and equipment	2909919.00	339811.00	0.00	3249730.00	307484.00	147112.00	0.00	454596.00	2795134.00	2602435.00	
8	Plant & Machinery	28500.00	31836.00	0.00	34686.00	2275.00	17229.00	0.00	19504.00	327356.00	26225.00	
9	Scientific & Laboratory Equipment	43041285.00	11611286.00	0.00	54652571.00	11733744.00	3433506.00	0.00	15167250.00	39485321.00	31307541.00	
10	Office Equipment	112110.00	0.00	0.00	112110.00	23893.00	6616.00	0.00	30509.00	81601.00	88217.00	
11	Audio Visual Equipment	721310.00	0.00	0.00	721310.00	126273.00	44628.00	0.00	170901.00	550409.00	595037.00	
12	Computers & Peripherals	46456172.00	24275706.00	0.00	70731878.00	17556785.00	10635019.00	0.00	28191804.00	42540074.00	28899387.00	
13	Furniture, Fixtures & Fittings	36870754.00	10316457.00	0.00	47187211.00	5077000.00	3158266.00	0.00	8235266.00	38951945.00	31793754.00	
14	Vehicles	2123989.00	607846.00	0.00	2731835.00	389733.00	234210.00	0.00	623943.00	2107892.00	1734256.00	
15	Lib. Books & Scientific Journals	4271748.00	4338532.00	0.00	8610280.00	3907990.00	470229.00	0.00	4378219.00	4232061.00	363758.00	
16	Small Value Assets	34089.00	267040.00	0.00	301129.00	11851.00	289278.00	0.00	301129.00	0.00	22238.00	
17	Total (A)	716275424.00	370787635.00	0.00	1087063059.00	89983537.00	35387525.00	0.00	125371062.00	961691997.00	626291887.00	
17	Capital Work in Progress (B)	25000000.00	305256166.00	307500000.00	247756166.00	0.00	0.00	0.00	0.00	247756166.00	250000000.00	
18	Computer Software	10137499.00	9371779.00	0.00	19509278.00	5942034.00	5426898.00	0.00	11368932.00	8140346.00	4195465.00	
19	E-Journals	406664.00	5675769.42	0.00	6082433.42	406664.00	2270308.00	0.00	2676972.00	3405461.42	0.00	
20	Patents	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total (C)		10544163.00	15047548.42	0.00	25591711.42	6348698.00	7697206.00	0.00	14045904.00	11545807.42	4195465.00	
Grand Total (A+B+C)		976819587.00	691091349.42	307500000.00	1360410936.42	96332235.00	43084731.00	0.00	139416966.00	122099970.42	880487352.00	

SCHEDULE 5 - INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS

Amount in Rupees

		Current Year	Previous Year
1	In Central Government Securities	0.00	0.00
2	In State Government Securities	0.00	0.00
3	Other approved Securities	0.00	0.00
4	Shares	0.00	0.00
5	Debentures and Bonds	0.00	0.00
6	Term Deposits with Banks	0.00	0.00
7	Others (to be specified)	0.00	0.00
Total		0.00	0.00

SCHEDULE 6- INVESTMENTS – OTHERS

Amount in Rupees

		CURRENT YEAR	PREVIOUS YEAR
1	In Central Government Securities	0.00	0.00
2	In State Government Securities	0.00	0.00
3	Other approved Securities	0.00	0.00
4	Shares	0.00	0.00
5	Debentures and Bonds	0.00	0.00
6	Others (to be specified)	0.00	0.00
TOTAL		0.00	0.00

SCHEDULE 7- CURRENT ASSETS

Amount in Rupees

	Current Year	Previous Year
1. Stock:		
a) Stores and Spares	0.00	0.00
b) Loose Tools	0.00	0.00
c) Publications	0.00	0.00
d) Laboratory chemicals, consumables and glass ware	0.00	0.00
e) Building Material	0.00	0.00
f) Electrical Material	0.00	0.00
g) Stationery	0.00	0.00
h) Water supply material	0.00	0.00
2. Sundry Debtors:		
a) Debts Outstanding for a period exceeding six months	0.00	0.00
b) Others	0.00	0.00
3. Cash and Bank Balances		
a) With Scheduled Banks:		
- In Current Accounts		
ICICI Bank A/C No. 256705000011	7924230.58	0.00
ICICI Bank A/C No. 256705000012	165597.00	0.00
ICICI Bank A/C No. 047605000219	1440.00	0.00
SBI Bank A/C No. 32712310676	363587.00	183135.00
SBI Bank A/C No. 32201262075	71678372.00	56821741.00
- In term deposit Accounts		
State Bank of India	0.00	0.00
- In Savings Accounts		
SBI,Silchar, A/C No. 31440720459	473749.00	473749.00
b) With non-Scheduled Banks:		
In term deposit Accounts	0.00	0.00
In Savings Accounts	0.00	0.00
c) Cash in hand:	16389.00	8924.00
4. Post Office- Savings Accounts	0.00	0.00
TOTAL	80623364.58	57487549.00

SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS

Amount in Rupees

	Current Year	Previous Year
1. Advances to employees: (Non-interest bearing)		
a) Salary	0.00	0.00
b) Festival	0.00	0.00
c) Medical Advance	0.00	0.00
d) Other - Institution Activity (As per Annexure 'E')	1278628.00	740058.00
2. Long Term Advances to employees: (Interest bearing)		
a) Vehicle loan	0.00	0.00
b) Home loan	0.00	0.00
c) Others (to be specified)	0.00	0.00
3. Advances and other amounts recoverable in cash or in kind or for value to be received:		
a) On Capital Account	0.00	0.00
b) To Suppliers (As per Annexure 'F')	1519080.00	0.00
c) Others - Staff Welfare Account	0.00	0.00
4. Prepaid Expenses		
a) Insurance	0.00	0.00
b) Other expenses -Leased Line Charges	921948.00	0.00
5. Deposits		
a) Telephone	0.00	0.00
b) Lease Rent	180000.00	168000.00
c) Electricity	0.00	0.00
d) AICTE, if applicable	0.00	0.00
f) Others - Gas Cylinder	71115.00	34000.00
6. Income Accrued:		
a) On Investments from Earmarked/ Endowment Funds	0.00	0.00
b) On Investments-Others	0.00	0.00
c) On Loans and Advances	0.00	0.00
d) Others (includes income due unrealized) (Tuition Fees etc)	114704.00	54906720.00
7. Other - Current assets receivable from UGC/sponsored projects		
a) Debit balances in Sponsored Projects	0.00	0.00
b) Debit balances in Sponsored Fellowships & Scholarships	0.00	0.00
c) Grants Receivable	0.00	0.00
d) Other receivables from UGC	0.00	0.00
8. Claims Receivable	0.00	0.00
TOTAL	4085475.00	55848778.00

SCHEDULE 9 - ACADEMIC RECEIPTS

Amount in Rupees

A. FEES FROM STUDENTS		Current Year	Previous Year
A. Academic			
1	Admission Fee	51300.00	0.00
2	Medical Exam Fee	14800.00	0.00
3	Alumini Life Membership	83000.00	0.00
4	Tuition Fee	10414100.00	0.00
5	Computer Fee	622000.00	0.00
6	Internet Charges	155600.00	0.00
7	Library Fee	547000.00	0.00
8	Registration Enrollment Fee	101400.00	0.00
9	Establishment Charges	2124000.00	0.00
TOTAL (A)		14113200.00	0.00
B. Examinations			
1	Examination Fee	273700.00	0.00
2	Grade Card	24900.00	0.00
3	Arrear Examination Fees	96000.00	0.00
4	Back Paper Fees	51000.00	0.00
TOTAL (B)		445600.00	0.00
C. Other Fees			
1	Transport Facility	24000.00	0.00
2	Association and Cultural Fee	453000.00	0.00
3	Student Aid Fee	90600.00	0.00
4	Sports Center	45300.00	0.00
5	Medical & Insurance Fee	139100.00	0.00
6	Hostel Admission Fee	40200.00	0.00
7	Mess Advance (Dinning Charges)	6759512.00	0.00
8	Hostel Seat Rent, Fan, Electricity & Water Charges	2436000.00	0.00
9	Fine/ Miscellaneous Fees	124781.00	0.00
TOTAL (C)		10112493.00	0.00
D. Sale of Publications			
1.	Sale of Admission forms "	0.00	0.00
2.	Sale of syllabus and Question Paper, etc.	0.00	0.00
3.	Sale of prospectus including admission forms	0.00	0.00
TOTAL (D)		0.00	0.00
E. Other Academic Receipts			
1.	Registration fee for workshops, programmes	0.00	0.00
2.	Registration fees (Academic Staff College)	0.00	0.00
TOTAL (E)		0.00	0.00
Grand Total (A+B+C+D+E)		24671293.00	0.00

SCHEDULE 10 – GRANTS / SUBSIDIES (IRREVOCABLE GRANTS RECEIVED)

Amount in Rupees

Particulars	Plan			Total Plan	Non Plan UGC	Current Year Total	Previous Year Total
	Govt. of India	UGC					
		Plan	Specific Schemes				
Balance B/F	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Add: Receipts during the year	400000000.00	0.00	0.00	400000000.00	0.00	400000000.00	0.00
Total	400000000.00	0.00	0.00	400000000.00	0.00	400000000.00	0.00
Less: Refund to UGC Balance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Less: Utilised for Capital expenditure (A)	383591349.42	0.00	0.00	383591349.42	0.00	383591349.42	0.00
Balance	16408650.58	0.00	0.00	16408650.58	0.00	16408650.58	0.00
Less: utilized for Revenue Expenditure (B)	16408650.58	0.00	0.00	16408650.58	0.00	16408650.58	0.00
Balance C/F (C)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

A-Appears as addition to Capital Fund as well as additions to Fixed Assets during the year.

B-Appears as income in the Income & Expenditure Account.

C-(I) Appears under Current Liabilities in the Balance Sheet and will become the opening balance next year.

(II) Represented by Bank balances, Investments and Advances on the assets side.

SCHEDULE 11- INCOME FROM INVESTMENTS

Amount in Rupees

Particulars	Earmarked / Endowment Funds		Other Investments	
	Current Year	Previous Year	Current Year	Previous Year
1. Interest				
a. On Government Securities	0.00	0.00	0.00	0.00
b. Other Bonds/Debentures	0.00	0.00	0.00	0.00
2. Interest on Term Deposits	0.00	0.00	0.00	0.00
3. Income accrued but not due on Term Deposits/Interest bearing advances to employees	0.00	0.00	0.00	0.00
4. Interest on Savings Bank Accounts	0.00	0.00	0.00	0.00
5. Others (Specify)	0.00	0.00	0.00	0.00
TOTAL	0.00	0.00	0.00	0.00
Transferred to Earmarked/Endowment Funds	0.00	0.00		
Balance	Nil	Nil		

SCHEDULE 12: INTEREST EARNED

Particulars	Amount in Rupees	
	Current Year	Previous Year
1. On Savings Accounts with scheduled banks	0.00	0.00
2. On Loans		
a. Employees/Staff	0.00	0.00
b. Others	0.00	0.00
3. On Debtors and Other Receivables	0.00	0.00
TOTAL	0.00	0.00

SCHEDULE 13- OTHER INCOME

Amount in Rupees

A. Income from Land & Buildings	Current Year	Previous Year
1.Hostel Room Rent	0.00	0.00
2.License fee	9840.00	0.00
3.Hire Charges of Auditorium/Play ground/Convention Centre, etc	0.00	0.00
4.Electricity charges recovered	0.00	0.00
5.Water charges recovered	0.00	0.00
6.House Rent - Staff	115656.00	0.00
TOTAL	125496.00	0.00
B. Sale of Institute's publications	0.00	0.00
C. Income from holding events		
1. Gross Receipts from annual function/ sports carnival	0.00	0.00
Less: Direct expenditure incurred on the annual function/ sports carnival	0.00	0.00
2. Gross Receipts from fetes	0.00	0.00
Less: Direct expenditure incurred on the fetes	0.00	0.00
3. Gross Receipts for educational tours	0.00	0.00
Less: Direct expenditure incurred on the tours	0.00	0.00
4. Others (to be specified and separately disclosed)	0.00	0.00
TOTAL	0.00	0.00
D. Others		
1. Income from consultancy	0.00	0.00
2. RTI fees	0.00	0.00
3. Income from Royalty	0.00	0.00
4. Sale of application form (recruitment)	277570.00	0.00
5. Misc. receipts (Sale of tender form)	118506.00	0.00
6. Profit on Sale/disposal of Assets		
a) Owned assets	0.00	0.00
b) Assets received free of cost	0.00	0.00
7. Grants/Donations from Institutions, Welfare Bodies and International Organizations	0.00	0.00
8. Others (specify)		
a) Transportation Fees - Staff	136900.00	0.00
b) Hostel Management Fee - Staff	27185.00	0.00
c) Scholarship	195090.00	0.00
d) CCMT 2014	420699.00	0.00
c) CSAB 2014	568134.00	0.00
TOTAL	1744084.00	0.00
Grand Total (A+B+C+D)	1869580.00	0.00

SCHEDULE 14 - PRIOR PERIOD INCOME

Amount in Rupees

Particulars	Current Year	Previous Year
1. Academic Receipts	39600.00	0.00
2. Income from Investments	0.00	0.00
3. Interest earned	0.00	0.00
4. Other Income	6300.00	0.00
TOTAL	45900.00	0.00

SCHEDULE 15 – STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)

Amount in Rupees

	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Salaries and Wages	44759413.00	0.00	44759413.00	0.00	0.00	0.00
b) Allowances and Bonus	0.00	0.00	0.00	0.00	0.00	0.00
c) Contribution to Provident Fund	0.00	0.00	0.00	0.00	0.00	0.00
d) Contribution to Other Fund (specify)	0.00	0.00	0.00	0.00	0.00	0.00
e) Staff Welfare Expenses	70000.00	0.00	70000.00	0.00	0.00	0.00
f) Retirement and Terminal Benefits	0.00	0.00	0.00	0.00	0.00	0.00
g) LTC facility	0.00	0.00	0.00	0.00	0.00	0.00
h) Medical facility	445706.00	0.00	445706.00	0.00	0.00	0.00
i) Children Education Allowance	0.00	0.00	0.00	0.00	0.00	0.00
j) Honorarium	879400.00	0.00	879400.00	0.00	0.00	0.00
l) Others - Mess Workers Salary	341533.00	0.00	341533.00	0.00	0.00	0.00
TOTAL	46496052.00	0.00	46496052.00	0.00	0.00	0.00

SCHEDULE 16 - ACADEMIC EXPENSES

Amount in Rupees

	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Laboratory expenses	245453.00	0.00	245453.00	0.00	0.00	0.00
b) Field work/Participation in Conferences	37788.00	0.00	37788.00	0.00	0.00	0.00
c) Expenses on Seminars/Workshops	782811.00	0.00	782811.00	0.00	0.00	0.00
d) Payment to visiting faculty	1535363.00	0.00	1535363.00	0.00	0.00	0.00
e) Examination	267332.00	0.00	267332.00	0.00	0.00	0.00
f) Student Welfare expenses	158499.00	0.00	158499.00	0.00	0.00	0.00
g) Admission expenses	0.00	0.00	0.00	0.00	0.00	0.00
h) Convocation expenses	0.00	0.00	0.00	0.00	0.00	0.00
i) Publications	0.00	0.00	0.00	0.00	0.00	0.00
j) Stipend/means-cum-merit scholarship	960290.00	0.00	960290.00	0.00	0.00	0.00
k) Subscription Expenses	0.00	0.00	0.00	0.00	0.00	0.00
l) Others (specify)						
i) Hostel Management Expenses	6255835.00	0.00	6255835.00	0.00	0.00	0.00
ii) Medical Centre	52247.00	0.00	52247.00	0.00	0.00	0.00
iii) Sports Activity	11448.00	0.00	11448.00	0.00	0.00	0.00
iii) Student Placement	213062.00	0.00	213062.00	0.00	0.00	0.00
iii) CCMT 2014	420699.00	0.00	420699.00	0.00	0.00	0.00
iii) CSAB 2014	568134.00	0.00	568134.00	0.00	0.00	0.00
TOTAL	11508961.00	0.00	11508961.00	0.00	0.00	0.00

SCHEDULE 17 - ADMINISTRATIVE AND GENERAL EXPENSES

Amount in Rupees

	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
A Infrastructure						
a) Electricity and power	2209492.00	0.00	2209492.00	0.00	0.00	0.00
b) Water charges	3252857.00	0.00	3252857.00	0.00	0.00	0.00
c) Insurance	0.00	0.00	0.00	0.00	0.00	0.00
d) Rent, Rates and Taxes (including property tax)	312000.00	0.00	312000.00	0.00	0.00	0.00
B Communication						
e) Postage and Telegram	5395.00	0.00	5395.00	0.00	0.00	0.00
f) Telephone, Fax and Internet Charges	1057698.00	0.00	1057698.00	0.00	0.00	0.00
C Others						
g) Printing and Stationery (consumption)	1200757.00	0.00	1200757.00	0.00	0.00	0.00
h) Travelling and Conveyance Expenses/ TA/DA	2129180.00	0.00	2129180.00	0.00	0.00	0.00
i) Hospitality	1930777.00	0.00	1930777.00	0.00	0.00	0.00
j) Auditors Remuneration	300000.00	0.00	300000.00	0.00	0.00	0.00
k) Professional Charges	1298400.00	0.00	1298400.00	0.00	0.00	0.00
l) Advertisement and Publicity	661592.00	0.00	661592.00	0.00	0.00	0.00
m) Magazines & Journals	0.00	0.00	0.00	0.00	0.00	0.00
n) Others (as per details below)						
Office Expenses	453784.00	0.00	453784.00	0.00	0.00	0.00
Recruitment	1209567.00	0.00	1209567.00	0.00	0.00	0.00
Security Services	157500.00	0.00	157500.00	0.00	0.00	0.00
Subscription for NIT Transit House	250000.00	0.00	250000.00	0.00	0.00	0.00
Meetings	1404953.00	0.00	1404953.00	0.00	0.00	0.00
TOTAL	17833952.00	0.00	17833952.00	0.00	0.00	0.00

SCHEDULE 18 - TRANSPORTATION EXPENSES

Amount in Rupees

Particulars	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1 Vehicles (owned by Institution)						
a) Running expenses	619559.00	0.00	619559.00	0.00	0.00	0.00
b) Repairs & maintenance	0.00	0.00	0.00	0.00	0.00	0.00
c) Insurance expenses	0.00	0.00	0.00	0.00	0.00	0.00
2 Vehicles taken on rent/lease						
a) Rent/lease expenses	0.00	0.00	0.00	0.00	0.00	0.00
3 Vehicle (Taxi) hiring expenses	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	619559.00	0.00	619559.00	0.00	0.00	0.00

SCHEDULE 19 – REPAIRS & MAINTENANCE

Amount in Rupees

Particulars		Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
a)	Buildings	1230314.00	0.00	1230314.00	0.00	0.00	0.00
b)	Furniture & Fixtures	181900.00	0.00	181900.00	0.00	0.00	0.00
c)	Plant & Machinery	94950.00	0.00	94950.00	0.00	0.00	0.00
d)	Office Equipment	0.00	0.00	0.00	0.00	0.00	0.00
e)	Computers	0.00	0.00	0.00	0.00	0.00	0.00
f)	Laboratory & Scientific equipment	0.00	0.00	0.00	0.00	0.00	0.00
g)	Audio Visual equipment	0.00	0.00	0.00	0.00	0.00	0.00
h)	Cleaning Material & Services	452913.00	0.00	452913.00	0.00	0.00	0.00
i)	Book binding charges	0.00	0.00	0.00	0.00	0.00	0.00
j)	Gardening	0.00	0.00	0.00	0.00	0.00	0.00
k)	Estate Maintenance	0.00	0.00	0.00	0.00	0.00	0.00
l)	Others - Electrical	1837165.00	0.00	1837165.00	0.00	0.00	0.00
TOTAL		3797242.00	0.00	3797242.00	0.00	0.00	0.00

SCHEDULE 20 – FINANCE COSTS

Amount in Rupees

Particulars	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Bank charges	32599.00	0.00	32599.00	0.00	0.00	0.00
b) Others (specify)	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	32599.00	0.00	32599.00	0.00	0.00	0.00

SCHEDULE 21 - OTHER EXPENSES

Amount in Rupees

Particulars	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Provision for Bad and Doubtful Debts/ Advances	0.00	0.00	0.00	0.00	0.00	0.00
b) Irrecoverable Balances Written - off	0.00	0.00	0.00	0.00	0.00	0.00
c) Grants/Subsidies to other institutions/ organizations	0.00	0.00	0.00	0.00	0.00	0.00
d) Others (specify)	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00

SCHEDULE 22 - PRIOR PERIOD EXPENSES

Amount in Rupees

Particulars		Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
1	Establishment expenses	0.00	0.00	0.00	0.00	0.00	0.00
2	Academic expenses	0.00	0.00	0.00	0.00	0.00	0.00
3	Administrative expenses	0.00	0.00	0.00	0.00	0.00	0.00
4	Transportation expenses	0.00	0.00	0.00	0.00	0.00	0.00
5	Repairs & Maintenance	0.00	0.00	0.00	0.00	0.00	0.00
6	Other expenses	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL		0.00	0.00	0.00	0.00	0.00	0.00

**ANNEXURE A : DETAILS OF SUNDRY CREDITORS FOR GOODS & SERVICES AS
ON 31-03-2015**

Sl.No.	Particulars	C/B As on 31.03.2015
1	Ampitron Products	360.00
2	BMG Informatics Pvt Ltd.	73618.00
3	Chumukdima Town Council	6000.00
4	DRD Agencies	3380.00
5	Jas Effects I T Solutions Pvt Ltd.	4465.00
6	Joy Supply Agencies	112468.00
7	Kapal Industries	273424.00
8	K Yhome Engineering & Construction	37800.00
9	Lifeline Enterprise	96712.00
10	Login Edu Tree Pvt Ltd.	675100.00
11	Lotus Sales Enterprise	137310.00
12	Mejestic Printers	22408.00
13	National Industrial Corpaton	127816.00
14	Netcom Solution	14899460.00
15	North Syndiacate Mineral Water	162540.00
16	Solarland Renewable Energy (India) Pvt Ltd.	57960.00
17	Sushama Electronics	1281900.00
18	Triesten Technologies Pvt Ltd.	13867.00
19	Imperial Decor	44445.00
		18031033.00

ANNEXURE B : DETAILS OF EMD & SECURITY DEPOSIT AS ON 31-03-2015

Amount in Rupees

S.No	Name of the Firm / Company	FY - 2011-12	FY - 2012-13	FY - 2013-14	Released in FY 2013-14	FY - 2014-15	Released in FY 2014-15	Balance as on 31-03-2015
1	Security Deposit (C.No. 090825 in FY-2012-13		9270					9270
2	Security Deposit (DD. No.535331)			50000				50000
3	A R Infotech, Guwahati					6800		6800
4	A. Neangba Konyak, Dimapur					49800	49800	0
5	Abacus Infotech, Mumbai		3655					3655
6	Abodoo Solutions Pvt. Ltd	6241						6241
7	Adarsh Enterprises			54150				54150
8	ADCC Infocad Pvt. Ltd			300000	300000			0
9	Alpha Data Tech India, Delhi		3995					3995
10	Alpha Marketing, Chennai			14133				14133
11	Anshuman Tech Pvt. Ltd, Pune		63000	300000	363000			0
12	Aroma Eatery, Dimapur					30000		30000
13	ASTOR INC, FARIDABAD					30000	30000	0
14	ATC Agencies, Guwahati		54900	51590	50000			56490
15	Biogreeno Marketing, Chennai			14765				14765
16	BMG Information Pvt.,Ltd., Guwahati			56000	56000			0
17	Brilliant Scientific Company, Chennai		22400		22400	7800		7800
18	Calsoft Software Solutions, Chennai			5400				5400
19	Commercial Stationers, Guwahati		90000	45000	90000			45000
20	Comnet Resources (P) Ltd, Kolkata					19000		19000
21	Edutech India Pvt. Ltd, Kolkata, W.B			300000	300000			0
22	Electro-Mart, Guwahati			25320	25320			0
23	Enixs Technology India Pvt. Ltd., Trichy			85700				85700
24	FTD Automation Pvt. Ltd, Bangalore			20200				20200
25	Global Marketing, Guwahati			50000	50000			0
26	Global Tube Wells, Kohima					48190	48190	0
27	Godrej & Boyce Mfg.Co.Ltd, Guwahati		4700	89490	4700	67120		156610
28	Igan Enterprises, Government Contractor and Supplier, Dimapur					48540	48540	0
29	Industrial Agencies	110000					110000	0
30	Innovative Invaders Technologies, Coimbatore			35200				35200
31	Joy Supply Agencies, Dimapur			64250	54250			10000

S.No	Name of the Firm / Company	FY - 2011-12	FY - 2012-13	FY - 2013-14	Released in FY 2013-14	FY - 2014-15	Released in FY 2014-15	Balance as on 31-03-2015
32	K.Yhome Engineering & Construction					100250		100250
33	Kevin Jasokie Zinyu, Dimapu					50000	50000	0
34	Kuber Techno Craft, Guwahati			50000				50000
35	Lab Mate, Chennai		24000		24000	7100		7100
36	Lawrence & Mayo (India) Pvt. Ltd		300000		300000			0
37	Light & Light					35800	35800	0
38	Limaienla Ao			98700				98700
39	Login Edu Tree Private Limited			5000				5000
40	Lokenath Industries	42000						42000
41	Lotus Sales Enterprises, Dimpaur		4700	278200	114950	3400		171350
42	Lotus Sales Enterprises. Dimpaur (Security Deposit)		4700					4700
43	M J Electricals, Guwahati			12650				12650
44	Maharashtra Control Panel Pvt. Ltd			12050	12050			0
45	Manik Ch. Kar, Dimapur					35000		35000
46	Maverick Technologies, Guwahati	208900			208900			0
47	Medolienuo Yhome Building Materials & Engineering Work, Chumukedima					48200		48200
48	Modern Builders, Government Contractor and Supplier, Kohima					48385	48385	0
49	Modern Lab Interio, Chennai					5876		5876
50	Modern Lab Interio, Chennai (Security Deposit)		80000		80000			0
51	Mutsuddi Machinery & Spares, Guwahati			13640				13640
52	Mysore Embedded Technology Institute			8360	8360			0
53	N.R.Chakhesang, Dimapur			220800	48500	13000		185300
54	Nagaland Decorative House, Dimapur			45000	45000			0
55	Nagaland General Stores, Kohima			87890	19100	70330		139120
56	Nagaland Hume Pipe Industries, Nagaland			36000	36000			0
57	Nandlal Mangilal Jain, Dimapur		59400	265070	185900	65200		203770
58	Nandlal Mangilal Jain, Dimapur (Security Deposit)		96900	150980	102000			145880
59	National Industrial Corporation, Kolkata	20000						20000
60	National Co-operative consumers" federation of india ltd, Guwahati			300000	300000			0

S.No	Name of the Firm / Company	FY - 2011-12	FY - 2012-13	FY - 2013-14	Released in FY 2013-14	FY - 2014-15	Released in FY 2014-15	Balance as on 31-03-2015
61	Netcom Solutions, Kolkata			200000		18000		218000
62	Netcon Technologies India Pvt. Ltd, Coimbatore			216000	200000			16000
63	North East Engineering, Dimapur					26000	26000	0
64	North East Enterprise, Guwahati	2600						2600
65	Novateur Electrical & Digital Systems Private Limited		9500	40000				49500
66	Omega Instruments Pvt. Ltd, Kolkata	12000						12000
67	Origin ITFS Pvt. Ltd., Chennai			5100		23400		28500
68	P.S. Dhas & Co, Dimapur					30000		30000
69	Pacer Power Solutions Pvt.Ltd, Chennai			45000		29800		74800
70	Power Guard System, Chennai			5000				5000
71	Power Links, Dimapur					10000	10000	0
72	Pracsol Technologies, Kolkata		30314	35100				65414
73	Professional Systems, Chennai			8920	8920			0
74	QMAX Systems, Chennai			5200		26550		31750
75	Quantum Infotech, Mysore			9360	9360			0
76	R.K. Rani Building Materials & Engineering Works					56,950.00	56950	0
77	Rashmi Electric Company, Chennai					7300		7300
78	Ridhi Sidhi Enterprise, Guwahati			50000	50000			0
79	Rockwell Automation India Pvt. Ltd, Chennai		300000				300000	0
80	Shan Enterprises,		110000		110000			0
81	Shyamal Choudhury Steel Fabrication & Supplies Unit					107,500	58200	49300
82	Solarland Renewable Energy (INDIA) Pvt. Ltd,			13531				13531
83	SPG Infotech Limited, Bangalore		31658	51880				83538
84	State Technologies, Kohima					50000	50000	0
85	Sun Infotech & Digital, Bangalore		33348	35090				68438
86	Sushama Electronics, Kolkata	176000	112000					288000
87	Techniche Consulting services, Kolkata			200000	200000			0
88	Technosys, Jaipur, Rajasthan			53840				53840
89	Testing Instruments Manufacturing Company Pvt.Ltd, Kolkata	30000					30000	0
90	Toshniwal Brothers (SR) Private Ltd, Chennai			9340				9340
91	Traitsys Technology Pvt. Ltd, Bangalore			5500				5500

S.No	Name of the Firm / Company	FY - 2011-12	FY - 2012-13	FY - 2013-14	Released in FY 2013-14	FY - 2014-15	Released in FY 2014-15	Balance as on 31-03-2015
92	Triesten Technologies Pvt. Ltd, Chennai		3062					3062
93	Trin Trin Services, Dimapur		5000					5000
94	UK Enterprise			12312				12312
95	United Pan Mercantile Services, Guwahati					6600		6600
96	Usha Instruments and Chemicals, Kolkata	20000						20000
97	Vishal Vyapar Vikash, Guwahati	80000		300000				380000
98	Voice Commune, Dimapur:Nagaland			56000	56000			0
99	Win Technologies					34550		34550
100	Hindustan Perfab Ltd. against Work					3936661		3936661
101	Kevin Jasokie Zinyu against Work					224582		224582
102	Netcom Solutions against Work					2238024		2238024
	TOTAL	707741	1456502	4502711	3434710	7615708	951865	9896087

ANNEXURE C : DETAILS OF STATUTORY LIABILITIES AS ON 31-03-2015

Sl.No.	Particulars	C/B As on 31.03.2015
1	Income Tax FY 2014-15	107098.00
2	Pension/GPF Payable	55777.00
3	Professional Tax FY 2012-13	52982.00
4	Professional Tax FY 2014-15	155792.00
5	Professional Tax Payable 2013-14	109200.00
6	Tds Payable 13-14	89467.00
		570316.00

ANNEXURE D : DETAILS OF OTHER LIABILITIES AS ON 31-03-2015

Sl.No.	Particulars	C/B As on 31.03.2015
1	Advance Tuition Fees (ST/SC)	383400.00
2	Audit Fees Payable	80000.00
3	Electricity & Power Payable	174828.00
4	Honararium Payable	181500.00
5	Mess Advance	956605.00
6	Mess Dues	4510.00
7	NIT Silchar Liability	693289.00
8	Rent Payable	25000.00
9	Salaries Payable	3850156.00
10	Stipend Payable	189200.00
11	Subsription for NIT Transit House Payble	250000.00
12	Telephone and Internet Charges Payable	8427.00
		6796915.00

ANNEXURE E : DETAILS OF ADVANCE TO STAFF AS ON 31-03-2015

Sl.No.	Particulars	C/B As on 31.03.2015
1	Arul Valan	663.00
2	BD Bengam Anal	60000.00
3	Dr. Dipu Sarkar	17741.00
4	Jyoti Prasad Borah	120000.00
5	K Govindarajan	(16679.00)
6	Mhonthung Ngullie	200000.00
7	MP Ganeshamoorthy	(41455.00)
8	Nagaraju Baydeti	25590.00
9	Nzanthung Ngullie	211004.00
10	V Laxminarayana	196764.00
11	Departmental Advance	500000.00
12	Hostel Bank Account Advance	5000.00
		1278628.00

ANNEXURE F : DETAILS OF ADVANCES TO SUPPLIER AS ON 31-03-2015

Sl.No.	Particulars	C/B As on 31.03.2015
1	Adyar Travel Bureau Pvt Ltd	533244.00
2	M/s N R Chakhesang	533195.00
3	Naithu Resort	525.00
4	Nandlal Mangilal Jain	412116.00
5	Pacer Power Solutions Pvt Ltd.	40000.00
		1519080.00

NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND
CHUMUKEDIMA :: DIMAPUR :: NAGALAND - 797103

Bank Reconciliation Statement as on 31st March' 2015

Bank Balance as per Cash Book

71678372

Add: Credit enteries in Bank but not in Cash Book

Date	Ch. no.	Amount
06.05.2014	CREDIT	150
19.05.2014	Trf	699
11.06.2014	Cash Deposit	184
12.06.2014	CREDIT	1472
12.06.2014	CREDIT	41738
02.09.2014	Trf	20000
14.10.2014	Cash Deposit	31
16.10.2014	706579	93550
18.10.2014	Cash Deposit	9387
30.10.2014	Cash Deposit	30566
25.11.2014	706620	300
08.12.2014	Trf	25000
13.12.2014	CREDIT	788
24.12.2014	Trf	15000
07.01.2015	Cash Deposit	3000
15.01.2015	Trf	440000
03.02.2015	706660	15806
12.03.2015	Trf	39350
20.03.2015	Cash Deposit	91
20.03.2015	Cash Deposit	3624
20.03.2015	Cash Deposit	9081
20.03.2015	Trf	7200
		757017

Add: Debited in Cash Book but not by Bank

Date	Ch. no.	Amount
24-11-2014	886366	15000
24-11-2014	886367	9600
14-2-2015	886456	24000
21-2-2015	886468	48540
14-3-2015	995007	3600
14-3-2015	995006	15000
25-3-2015	995027	21800
28-3-2015	995032	40000
30-3-2015	995033	58000

Date	Ch. no.	Amount
30-3-2015	995035	240000
30-3-2015	995038	49800
30-3-2015	995037	50000
30-3-2015	995036	50000
31-3-2015	995039	20230
		645570

Less: Debit entries in bank but not in cash book

Date	Ch. no.	Amount
09.06.2014	Sytm. Failure	9340
09.06.2014	Sytm. Failure	600
10.06.2014	Wrong Trf	1500
		11440

Less: Credited in Cash Book but not in Bank

Date	Ch. no.	Amount
20.08.2014	685001 dt. 20.08.2014	41850
20.08.2014	685202 dt. 20.08.2014	24350
01.09.2014	685002 of uco Bank	3000
13.10.2014	Ch. 637152, 837356, 905774, 842765, 905776	1500
22.10.2014	000032	300
22.10.2014	077363	600
28.10.2014	466635	300
31-3-2015	CSAB (Short received for 2 Students)	80000
23-3-2015	Grant	50000000
13-3-2015	1620	24350
24-3-2015	275129	59350
31-3-2015	275226	41850
31-3-2015	706726	59350
		50336800
Bank Balance as per Bank Book		22732719



कार्यालय महालेखागार (लेखापरीक्षा) नागालैण्ड कोहिमा-797001
OFFICE OF THE ACCOUNTANT GENERAL (AUDIT), NAGALAND KOHIMA - 797001

Fax : (0370) - 2244788, 2243117 EPABX - 2225310, 11, 12 & 13

No. COM/SAR/NIT-3, 2016-17/60

Dated : 29.06.2016

To

The Director
National Institute of Technology (NIT),
Chumukedima, Dimapur
Nagaland - 797103

Sub : - Forwarding of Separate Audit Report for the year 2014-15

Sir,

I am forwarding herewith the Separate Audit Report (SAR) for the year 2014-15 for necessary action at your end.

The requisite number of printed Audited report may please be sent to the concerned Ministry, New Delhi for placing in the Parliament under intimation to this office. The report sent herewith may please be treated as confidential till it is placed before the Parliament.

Information on placement of Audit Report 2012-13 & 2013-14 in both houses of Parliament may also be communicated of this office on priority.

Receipt of this letter may please be acknowledged.

Enclosed: As stated above.

Your Faithfully

Deputy Accountant General (Audit)

Separate Audit Report of the Comptroller & Auditor General of India on the accounts of the National Institute of Technology, Chumukedima, Nagaland for the year ended 31 March, 2015.

We have audited the attached Balance Sheet of National Institute of Technology, Nagaland as on 31 March 2015, Income & Expenditure Account for the year ended on the date under Section 19 (2) of the Comptroller & Auditor General's (Duties, Power & Condition of Service) Act, 1971 read with Section 22 of the National Institute of Technology Act, 2007. These financial statements are the responsibility of the management of the institute. Our responsibility is to express an opinion of these financial statements based on our audits.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observation of financial transactions with regard to compliance with the law, Rules & regulations (Propriety and Regularity) and efficiency-cum-performance aspects etc., if any are reported through inspection Reports/CAG's Audit Report separately.

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 the 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.

3. Based on our audit, we report that:

- a. 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:
- b. The Balance Sheet and Income & 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, Government of India vide order No. 23-4/2014-FD dated 17 April 2015.
- c. In our opinion, proper books of accounts and other relevant records have been maintained by the NIT, as required under Section 22 of the Act, 2007 in so far as it appears from our examination of such books :
- d. We further report:

A. Balance Sheet :

1. Application of Funds

Capital Work in Progress (Sch-): ₹24.78 crore

The above includes ₹29.56 lakh being the cost of Cement Concrete Roads completed in the month of June 2014 but not capitalised during 2014-15. The above has resulted in understatement of Fixed Assets (Roads & Bridges) by ₹26.60 (Net Block) as well as depreciation by ₹2.96 lakh (10%) with corresponding understatement of deficit to the equal extent.

2. Application of Funds:

Loans, Advances and Deposits (Sch-8): ₹52.28 lakh

The above does not include ₹5.00 crore being the 5th instalment of the Grant in aid which was received by way of crediting to the Current Account on 04.04.2015. The same was credited to the Cash Book on 23.03.2015 on receipt of the Sanction order. The above has resulted in understatement of Grants receivable with corresponding overstatement of Bank Balance to the tune of ₹5.00 crore.

3. Sources of Funds

Current Liabilities & Provision: (Sch-3): ₹3.82 crore

The above does not include ₹24.84 lakh being the Employer's Contribution to NPS fund for the period August 2013 to March 2015.

This has resulted in understatement of Current Liabilities & Provisions and also Academic Expenses with corresponding understatement of Deficit for the year to the extent of ₹24.84 lakh.

B. General

- I. The Institute has not provided liability of ₹5.92 crore of unutilised grants of current liability.
- II. The method of charging the depreciation during the year 2014-15 has been changed from that of 2013-14. During the year 2013-14, the depreciation was charged under WDV method whereas during the year 2014-15 it is done under SLM. The rate of depreciation has been changed accordingly. The depreciation was charged on the assets added during the year at full rate if added on or before 30th September and it is charged at half of the rate if added after 30th September. During the year 2014-15, the depreciation is charged at full rate and for full year disregarding the period of addition. However, despite the fact that the change in the policy has material bearing on the accounts, the same has not been disclosed.
- III. List of the Works in Progress has not been disclosed as required under MHRD Guidelines.
- IV. The method of accounting the Mess Advance and Dining charges has not been disclosed adequately.
- V. Tuition fees is accounted for on cash basis instead of accrual basis of accounting and has not been disclosed in notes to accounts.
- VI. Inventory Accounts has not been maintained to record the stock position of Laboratory chemicals, printer cartridge, scrap materials etc.
- VII. Ledger has not been maintained for different heads like Fixed Assets, Grants in Aid, Staff Advances, different expenses and incomes.

C. Grants-in-Aid

Grants-in-Aid balance for previous year was ₹9.85crore, Grants-in-Aid received during the year was ₹40 crore aggregated to ₹49.85 crore. The institute could utilized ₹43.93 crore only leaving a balance of ₹5.92 crore as unutilized Grands as on 31st March 2015.

Subject to our observation in the preceding paragraphs, we report that the Balance Sheet and Income & Expenditure account dealt with this report are in agreement with the books of accounts.

4. In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with 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 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 National Institute of Technology, Nagaland as at 31 March 2015; and
 - b. In so far as it relates to Income & Expenditure Accounts of the deficit for the year ended on that date.

Place : Kohima

Date : 29-06-2016


Accountant General (Audit)

Annexure to Audit Report

1. **Adequacy of Internal Audit System:** There is no internal audit system.
2. **Adequacy of Internal Control System:** The internal control mechanism is inadequate due to lack of internal audit system, non-maintenance of Fixed Asset Register, no physical verification of Fixed Assets & inventories was conducted.
3. **Regularity in Payment of statutory dues :** It is found that statutory dues are regularly deposited.
4. **System of verification of fixed Assets:** The institute does not maintain Fixed Asset Register and no physical verification of fixed assets was conducted since inception. In absence of fixed asset register the correctness of the value of assets as shown in accounts could not be verified.
5. **System of Verification of inventories:** Physical verification of inventories was not conducted during 2014-15.



Dy. Accountant General (Audit)



National Institute of Technology Nagaland
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