

Director's Report

**Twentieth Convocation
June 25, 2018**



Indian Institute of Technology Guwahati

Dr. Satya Pal Singh, Hon'ble Minister of State for Human Resource Development (Higher Education), Government of India; Dr. Rajiv I. Modi, Chairman, Board of Governors; members of the Board of Governors; members of the Senate; faculty members, invited dignitaries, guests; graduating students and their family members; members of the media; officers and staff of the Institute; ladies and gentlemen – it is my pleasure to welcome all of you to the Twentieth Convocation of IIT Guwahati.

I take this opportunity to express our solemn gratitude to Dr. Satya Pal Singh for accepting our invitation to be the Chief Guest of this Convocation and for kindly agreeing to deliver the Convocation Address.

I am delighted to share with you that 232 PhD students, 629 undergraduate students and 589 postgraduate students will receive their degrees today. I extend my heartiest congratulations to all of them.

I will now present a brief report on the activities and achievements of the Institute during the year 2017-2018.

THE BOARD OF GOVERNORS

Prof. Bhaba Kr. Sarma, Professor, Department of Mathematics, IIT Guwahati joined the Board in January 2018 as a nominee of the Senate. Prof. C. Mahanta, Professor, Department of Electronics & Electrical Engineering, has completed her tenure as the nominee of

the Senate in December 2017. On behalf of the Board, I welcome Prof. Sarma to the Board and thank Prof. Mahanta for her valuable contribution.

MHRD-NIRF India Rankings 2018

A major achievement for the Institute came through the announcement of the MHRD's National Institutional Ranking Framework (NIRF), India Rankings 2018 in which IIT Guwahati ranked **seventh** among top engineering institutions and **twelfth** among all the participating universities and institutions in the country. The credit for this success goes entirely to the faculty members, students, research scholars as well as the officers and staff members and well-wishers of the Institute. The Institute shall tirelessly strive to achieve a higher rank in the coming days.

‘QS’ RANKING AND ‘THE’ RANKING

| | |
|---|---|
| QS Top 50 Under 50 Ranking 2019 | 61-70 (Last year 71-80) |
| QS World University Ranking 2019 | 472 (Last year 501-550) |
| THE Ranking 2018 | World-#601-800 Asia-# 112 Emerging Economies-#114 |

SWACHHATA RANKING

IIT Guwahati is the fifth cleanest government educational institution in the country and the only IIT as well as the only institute of eastern India to be featured in the first Swachhata ranking launched in the year 2017 by the GoI.

ISHAN VIKAS

The Ishan Vikas Programme started in 2014, funded by the MHRD with a vision to improving the scenario of school and college education in the North-Eastern part of the country, Ishan Vikas has

achieved, albeit partially, the goals and objectives of the initiative. A large number of school children and engineering college students from various places of the North- Eastern states are provided with the opportunity of visiting the IITs, IISERs, NITs and the NIAS, getting trained by skilled faculty members and technical staff, being exposed to state-of-the-art research facilities and interacting with them.

About 1750 school students and 400 students from various engineering colleges in the North East participated in the programme. Almost all the IITs, IISERs and NIAS have acted as host institutes for the participants and the participating students have greatly benefited from the exposure that they received from such premier institutions in engineering, technology and the pure sciences.

No. of participants during the financial year **2017-18:**

- Engineering students (summer, 2017) - **139 nos.**
- School students (winter, 2017) - **106 nos.**

NATIONAL PROJECTS

The project Start-up India Initiative in Higher Educational Institutions (SIIHEI) is a joint initiative of the DST & MHRD for promoting the establishment of Research Parks/Technology Business Incubators /Startup Centers. IIT Guwahati is one of the 6 Institutions to establish a Research Park with a sanctioned amount of ₹75 crores under this scheme.

Global Initiative of Academic Networks (GIAN), an initiative of the Govt. of India for Higher Education, was started in 2016. The major aims of GIAN are to tap the international pool of talented scientists/entrepreneurs with an objective to encourage their

engagement with the institutes of Higher Education in India. The initiative aims to augment the country's existing academic resources, accelerate the pace of quality reforms, and elevate India's scientific and technological capacity to global excellence. In the reporting year, 12 such courses were conducted by erudite scholars from international universities/institutions at the Institute.

The Institute is also engaged in creating e-course contents for the MHRD flagship programme **Central Sector Scheme-Massive Open Online Courses (CSS-MOOCs)** where 18 courses were delivered through the NPTEL online portal under the reporting year.

The Institute organised teacher training programmes under the **Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT)** – an MHRD, Govt. of India Initiative – for in-service teachers of Assam and other states of India in three phases, in which total of 1278 teachers received training.

ACADEMIC ACTIVITIES

The Institute offers

- Bachelor of Technology (BTech) Programmes in Biotechnology (BT), Chemical Engineering (CL), Chemical Science and Technology (CT), Civil Engineering (CE), Computer Science and Engineering (CS), Electronics and Communication Engineering (EC), Electronics and Electrical Engineering (EE), Engineering Physics (EP), Mathematics and Computing (MC), and Mechanical Engineering (ME);

- Bachelor of Design (BDes) programme in Design (DD);
- Master of Technology (MTech) programmes in BT, CL, CE, CS, EE, ME, RT;
- Master of Design (MDes) programme in Design;
- Master of Science by Research [MS(R)] programme in Energy(EN)
- Master of Science (MSc) programmes in Chemistry (CH), Mathematics and Computing (MC), and Physics (PH);
- Master of Arts (MA) programme in Development Studies (DS) in the Department of Humanities and Social Sciences (HS);
- Doctor of Philosophy (PhD) programmes in all the Departments and in the Centre for Energy (EN), Centre for the Environment (EV), Centre for Nanotechnology (NT), Centre for Rural Technology (RT) and Centre for Linguistic Science and Technology (CLST);
- Dual (MTech + PhD) programme in the Department of Computer Science and Engineering (CS); and
- Dual [MS (Eng.) + PhD] programme in Electronics and Electrical Engineering (EE).

The total number of enrolled students in 2017-18 is 5810. Of these, 54.73% are postgraduate students. The detailed break up is –

Preparatory Programme: 4

Four-year BTech and BDes: 2626

| Batch | BT | CE | CL | CS | CT | DD | EC | EE | EP | MC | ME | Total |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| Fourth Year (2014 Batch) | 39 | 68 | 61 | 88 | 33 | 43 | 77 | 45 | 34 | 49 | 78 | 615 |
| Third Year (2015 Batch) | 43 | 68 | 59 | 87 | 37 | 50 | 81 | 43 | 38 | 50 | 75 | 631 |
| Second Year (2016 Batch) | 49 | 72 | 61 | 88 | 40 | 43 | 80 | 46 | 39 | 49 | 81 | 648 |
| First Year (2017 Batch) | 61 | 80 | 71 | 80 | 47 | 43 | 72 | 43 | 48 | 55 | 81 | 681 |

| | |
|----------------------|-------------|
| From earlier batches | 51 |
| Total | 2626 |

Two-year MSc: 285

| Batch | CH | MC | PH | Total |
|--------------------------|-----------|-----------|-----------|--------------|
| Second Year (2016 Batch) | 47 | 49 | 44 | 140 |
| First Year (2017 Batch) | 47 | 45 | 46 | 138 |
| From earlier batches | | | | 7 |
| Total | | | | 285 |

Two-year MA: 60

| Batch | DS | Total |
|--------------------------|-----------|--------------|
| Second Year (2016 Batch) | 26 | 26 |
| First Year (2017 Batch) | 33 | 33 |
| From earlier batches | | 1 |
| Total | | 60 |

Two-year MTech: 796

| Batch | BT | CE | CL | CS | EE | ME | RT | Total |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| Second Year (2016 Batch) | 30 | 84 | 47 | 37 | 60 | 103 | 9 | 370 |
| First Year (2017 Batch) | 42 | 114 | 39 | 45 | 56 | 106 | 9 | 411 |
| From earlier batches | | | | | | | | 15 |
| Total | | | | | | | | 796 |

Two-year MDes: 49

| Batch | DD | Total |
|--------------------------|-----------|--------------|
| Second Year (2016 Batch) | 24 | 24 |
| First Year (2017 Batch) | 25 | 25 |
| Total | | 49 |

Two-year MS: 32

| Batch | EN | Total |
|--------------|-----------|--------------|
| | | |

| | | |
|--------------------------|----|-----------|
| Second Year (2016 Batch) | 13 | 13 |
| First Year (2017 Batch) | 14 | 14 |
| From earlier batches | | 5 |
| Total | | 32 |

| | |
|-------------------------|-----------|
| Dual Degree: 31 | |
| (MTech + PhD) in CS | 13 |
| [MS (Eng.) + PhD] in EE | 18 |
| Total | 31 |

PhD: 1934

| BSBE | CE | CH | CL | CS | DD | EE | EN | EV | HS | MA | ME | NT | PH |
|------|-------|-----|-----|-----|----|-----|----|----|-----|----|-----|----|-----|
| 218 | 212 | 234 | 185 | 101 | 80 | 180 | 74 | 51 | 101 | 64 | 225 | 42 | 139 |
| RT | CL ST | | | | | | | | | | | | |
| 16 | 12 | | | | | | | | | | | | |

The new academic session (2017-2018) commenced from July 2017. 1663 students were admitted in various programmes across all the Departments/Academic Centers during the reporting year. The department/center-wise details of new admissions, excluding the preparatory students, are given in the table below:

| Department/Centre | BTech/ BDes | MSc/ MA | MTech/ MDes | MS(R) | PhD | Dual Degree |
|--|----------------|------------|----------------|-------|-----|----------------|
| Biosciences and Bioengineering (BSBE) | 61 | - | 42 | - | 38 | - |
| Chemical Engineering (CL) | 71 | - | 39 | - | 35 | - |
| Chemistry (CH) | 47 | 47 | - | - | 61 | - |
| Civil Engineering (CE) | 80 | - | 114 | - | 34 | - |
| Computer Science and Engineering (CS) | 80 | - | 45 | - | 14 | 0 |

| Department/Centre | BTech/ BDes | MSc/ MA | MTech/ MDes | MS(R) | PhD | Dual Degree |
|--|----------------|------------|----------------|-----------|------------|----------------|
| Design (DD) | 43 | - | 25 | - | 12 | - |
| Electronics and Electrical Engineering (EE) | 115* | - | 56 | - | 17 | 2 |
| Humanities and Social Sciences (HS) | - | 33 | - | - | 22 | - |
| Mathematics (MA) | 55 | 45 | - | - | 9 | - |
| Mechanical Engineering (ME) | 81 | - | 106 | - | 45 | - |
| Physics (PH) | 48 | 46 | - | - | 27 | - |
| Centre for Energy (EN) | - | - | - | 14 | 17 | - |
| Centre for the Environment (EV) | - | - | - | - | 10 | - |
| Centre for Nanotechnology (NT) | - | - | - | - | 7 | - |
| Centre for Rural Technology (RT) | - | - | 9 | - | 7 | - |
| Centre for Linguistic Science and Technology (LST) | - | - | - | - | 4 | - |
| Total | 681 | 171 | 436 | 14 | 359 | 2 |

** BTech in Electronics and Communication Engineering: 72, and BTech in Electronics and Electrical Engineering: 43.*

Today, **1450** students, who have successfully completed their programmes will receive their degrees in the following disciplines:

Number of students obtaining degrees in June 2018 – 1450

Four-year BTech and BDes

| Total | BT | CE | CL | CS | CT | DD | EC | EE | EP | MC | ME |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 629 | 40 | 53 | 58 | 85 | 35 | 45 | 84 | 44 | 46 | 55 | 84 |

Two-year MA

| Total | DS |
|--------------|-----------|
| 26 | 26 |

Two-year MSc

| Total | CH | MC | PH |
|--------------|-----------|-----------|-----------|
| 140 | 50 | 44 | 46 |

Two-year MTech/MDes/MS(R)

| Total | BT | CE | CL | CS | DD | EE | ME | RT |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 412 | 35 | 83 | 48 | 41 | 24 | 59 | 116 | 6 |

Two-year MS(R)

| Total | EN |
|--------------|-----------|
| 11 | 11 |

Dual (MTech+PhD) Degree in CS

| Total | CS |
|--------------|-----------|
| 2 | 2 |

PhD

| Department/Centre | No. of Students |
|--------------------------|------------------------|
| BSBE | 20 |
| CE | 24 |
| CL | 25 |

| | |
|--------------|------------|
| CH | 28 |
| CS | 8 |
| DD | 9 |
| EE | 29 |
| EN | 3 |
| EV | 2 |
| HS | 20 |
| MA | 9 |
| ME | 25 |
| NT | 7 |
| PH | 21 |
| Total | 230 |

ACADEMIC INFRASTRUCTURE DEVELOPMENT

In order to further strengthen research related infrastructure, a few of the machinery purchased for the Central Instrument Facility are:

Atomic Force Microscope, make: Oxford Instruments, model: Cypher S: It is the first commercially available fast-scanning AFM and is compatible with a complete range of modes and accessories. The cost of the machine is approximately ₹2.5 crores

9KW Powder X-Ray Diffraction System, make: Rigaku Technologies, JAPAN, model: Smartlab: This new X-ray diffraction system features the PhotonMax high-flux 9 kW rotating anode X-ray source coupled with a HyPix-3000 high-energy-resolution 2D multidimensional semiconductor detector that supports 0D, 1D and 2D measurement modes, allowing all applications to be handled with a single detector. The HyPix-3000 detector can be used to obtain 2D powder diffraction patterns, which can be processed to deliver superior qualitative analysis by using all the 2D pattern information. The cost of the machine is approximately ₹80 lakh.

A number of new equipment has been added to the laboratories of the Departments and Centers. Some of the major equipment and facilities acquired by the Institute during the year under report are –

| | |
|--|-----------|
| ➤ AC/DC and related characterization | ₹117 lakh |
| ➤ Cryogen Free Basis PPMS with Vibrating Sample Magnetometer and its accessories | ₹338 lakh |
| ➤ High Speed Laser Source | ₹140 lakh |
| ➤ HPTGA | ₹111 lakh |
| ➤ Laser Micromachining System | ₹221 lakh |
| ➤ RF AND Related Characterization | ₹134 lakh |
| ➤ Double Sided Mask Aligner | ₹168 lakh |
| ➤ 2TPD FEEDSTOCK | ₹163 lakh |

The Lakshminath Bezbaroa Central Library, a major service center of the Institute, provides library and information services to support teaching, learning, and research activities by creating state-of-the-art facilities and offering innovative services. The library has a fast growing collection of books, journals, magazines both in print and digital format.

The Library has a collection of about 1.69 lakhs of printed books and bound volumes of journals, 1.8 lakhs of e-books, and 68 print and 25000 online journals along with a substantial number of other documents. During the reporting year, the Library has subscribed to some of the world's most renowned abstract/full-text databases like Scopus, INSPEC, EBSCO Discovery Service, IEC Standards, ACSESS archive, IMF eLibrary, eHRAFetc. and some national level databases such as CMIE Prowees, BIS Standards, and EPWRF Time Series among others.

For better accessibility of contents, efforts have been made to increase online journal collection over printed journals. Presently the Library subscribes to 15,848 titles across all academic areas of which 15,780 are online journals. In addition to that, the Institute has access to 7,212 online journals through the ‘e-Shodh Sindhu Consortium’ and the ‘DeLCON: DBT- Electronic Library Consortium’. The library has also subscribed to Turnitin, a plagiarism-detection software, during the reporting period. The library has also developed a reasonably good collection of Assamese language texts and the literary works of Sahityarathi Lakshminath Bezbaroa.

The Computer and Communication Centre has augmented its facilities to provide better service in connectivity. The Centre also acts as a nodal center for various network related activities of the North-Eastern states. Projects of the National Knowledge Network and the ERNET are being actively pursued in the Centre.

RESEARCH AND DEVELOPMENT

The total number of PhD students on campus has grown marginally from 1927 last year to 1934 this year. The current faculty to PhD students’ ratio is 4.58. The number of graduating PhD students has also increased to 232 from 155 in the previous year.

The other component of our research programme is sponsored (or directed) research. There are 354 research projects in progress with a total sanctioned value of about ₹322.7 crores. In the year under report IITG received 93 new projects with a sanctioned value of ₹148 crores. The R&D projects are mainly sponsored by Government Ministries and Departments with major support coming from the Ministry of Human Resource Development (MHRD), the Departments of Science and Technology (DST), Biotechnology (DBT), the Science and Engineering Research Board (SERB), the Board of Research in Nuclear Sciences (BRNS), and the Defence

Research and Development Organisation (DRDO). We also have a considerable number of industry supported research projects. 290 personnel are engaged in various research projects at the Institute with 350 Principal Investigators involved. During the reporting year ₹9.87 crores were spent under the manpower head.

The Institute has applied for 41 patents in 2017-2018.

Some of the major research projects received during the year are:

| Project Title | Dept./ Centre | Funding Agency | Amount (₹in Lakh) |
|---|----------------------|-----------------------|--------------------------|
| Establishment of Research Parks under the 'Start-up India Initiative in Higher Educational Institutions (SIIHEI)' | IITG | MHRD | 7500 |
| Programme support for research in Biological Sciences and Healthcare Engineering in North East Region | R&D | DBT | 3735.28 |
| FIST Phase II | Physics | DST | 440.00 |
| Improvement of S&T Infrastructure in Universities and Higher Educational Institutes (FIST) Programme | Chemical | DST | 390.00 |
| Design, Synthesis and Characterization of Metal Impregnating Nano-assemblies using Peptide Model Systems; Applications in heavy metal entrapment in North-East Region | BSBE | DBT | 154.90 |

| Project Title | Dept./ Centre | Funding Agency | Amount (₹in Lakh) |
|---|----------------------|-----------------------|--------------------------|
| Development of novel Akt/m TOR inhibitors for oral cancer prevention and treatment | BSBE | DBT | 149.37 |
| Structural investigation of sugar ABC transporters in Mycobacterium tuberculosis and thermophiles: application to the development of drug carriers and biosensors | BSBE | DBT | 126.38 |
| Development of High Temperature Thermal Energy Storage System for Solar Thermal Power Plant | Mechanical | DST | 115.46 |
| Pilot scale studies on rotary drum composting and anaerobic biphased baffled reactor (ABBR) technology for biomethanation of industrial sludges and aquatic weeds | Civil | DST | 103.68 |

MHRD – Ministry of Human Resource Development

DST – Department of Science and Technology, Govt. of India

DBT – Department of Biotechnology, Govt. of India

In addition to sponsored research projects, IIT Guwahati undertakes consultancy assignments for various State Government Departments, the Railways, the National Highways Authority of India, the Oil and Gas Sector, Construction and Infrastructure Companies, the Power Sector, Educational Institutes, Health and Pharmaceutical Industries and Financial Institutions. Consultancy projects make significant

contributions to the industrial, economic and social growth of the country with special emphasis on this region.

A total of 98 new consultancy projects were carried out during the year. The total value of consultancy projects undertaken during this year is ₹24.28 lacs and ₹8.9 crores was received for all consultancies.

IIT Guwahati has a Technology Incubation Centre (IITG-TIC) which facilitates new start-ups. Presently eleven incubating companies are working in the centre.

IIT Guwahati Research Park

IIT Guwahati is facilitating established companies to set up their R&D centre inside the Institute campus for industry-academia collaboration. At present the following companies have been inducted into the IITG Research Park:

- CADILA R&D Lab: Pharmaceuticals
- Kovid Lab: Big data analytics and Multimedia
- DESHYA Technologies: Teaching-Learning tools

FACULTY AND STAFF

The faculty strength at the end of March 2018 was 422. The number of non-teaching staff at the end of March 2018 was 499.

RESEARCH PUBLICATIONS

The faculty members of the Institute have been actively publishing research papers in international and national journals as well as in conference proceedings. The number of publications during the past one year is:

| | |
|-----------------------------------|-------------------|
| Papers in Journals: | 1575(Scopus 2017) |
| Papers in Conference Proceedings: | 665 |

In the previous year 952 papers in journals and 827 papers in conference proceedings were published by the faculty of the Institute. The increase in research papers in journals is encouraging to say the least.

CONFERENCES/WORKSHOPS/SYMPOSIA

Various conferences, seminars and workshops were organized by the Departments and Centers of the Institute during the year. A few of them are—

1. Indo-Japan Workshop on Hope from Herbs: Research-based Care and Cure Potentials- May 8-9, 2017
2. International Conference on Sophisticated Instruments and Modern Research (ICSIMR), 2017 - 30 June-1 July, 2017
3. International Conference on Vibration Problems – 29 November – 2 December, 2017
4. Fifth International Conference on Complex Dynamical Systems and Applications (CDSA) 2017 - 4 – 6 December, 2017
5. Bioprocessing India 2017 - 9-11 December, 2017
6. The Indian Geotechnical Conference – 14-16 December, 2017
7. International Conference on Advanced Nanomaterials and Nanotechnology, ICANN-2017, 18-21 December, 2017
8. Fourth International Symposium in Advances in Sustainable Polymers ASP 17 - 8-11 January, 2018
9. 21st ADNAT Convention and International Symposium of Biodiversity and Biobanking (Biodiverse-2018) – 27-31 January, 2018
10. Indo-Japan Bilateral Symposium on Future Perspective of Bioresource Utilization in North-Eastern Region - 1-4 Feb, 2018
11. Indo Canadian School on Algorithms and Combinations CALDAM 2018 – 12-17 February, 2018

The Institute has also organized 36 short term courses, workshops, and training programmes under the Technical Education Quality Improvement Programme (TEQIP), the Electronics and ICT Academy and under Virtual Lab projects funded by the Govt. of India.

INTERNATIONAL COLLABORATIONS

Collaboration with Universities in the UK: Good response from UK universities

IIT Guwahati has actively engaged with top universities in the UK with collaborations with Cardiff University, Bath University, Imperial College of London, York University and Nottingham University.

Collaboration with Universities in Europe

Joint Masters-PhD Programme with Heidelberg University and DBT: This is a unique programme to be funded by the DBT whereby 15 Masters Students from 6 Premier Indian Institutions will be selected and sent to undertake their 4th semester of Masters Programme at the University of Heidelberg, Germany. 10 of these students will be eventually selected for a Joint-PhD program in Big Data Analysis with the University. This year 5 students of IIT Guwahati have been selected out of a total of 19 Indian Students to be part of the fully funded 4th semester Masters Programme.

Erasmus+: Following the commencement of the Erasmus+ Project, IIT Guwahati has in the year 2017-18 entered into an Inter-Institutional agreement under Erasmus+ with the following Universities for faculty, student and staff:-

University of Pardubice: IIT Guwahati's Department of Electronics and Electrical Engineering entered into the Erasmus+ Inter-

Institutional agreement with Pardubice University, Czech Republic focusing on faculty and students exchange as per the funding regulations of the Erasmus+ guidelines. A faculty member from the Department has already been invited for a Faculty Mobility at Pardubice University under the above programme.

Ecole Central De Nantes, France: 4 students from IIT Guwahati have gone as exchange students to the Institute under the Erasmus+ Programme.

Art and Design University of Cluj-Napoca, Romania: Under the Erasmus+ Inter-Institutional agreement, IIT Guwahati entered into a mobility program with Universitatea de Arta si Design in Cluj- napoca, Romania. A student from the University has been selected for her PHD internship programme in the Department of Design, IIT Guwahati.

Heritage Network: First General Assembly of Heritage Network – Indo- European Universities Network of Technical HEI institutions was held at IIT Madras in February 2018 where a workshop on the theme of ‘Smart Cities’ was organized to explore Joint Research possibilities.

Linnaeus-Palme Partnership: The Linnaeus-Palme International Exchange Programme between IIT Guwahati and Lund University has seen an active exchange of students and faculty. This year 2 students from IIT Guwahati went for their exchange semester at the University and 2 students from the University have come to IIT Guwahati through semester exchange.

Collaboration with Indo-Taiwan University: The Indo-Taiwan bilateral meeting was held on the sidelines of the ASP

Conference, which resulted in another major collaborative outreach for IIT Guwahati. IITG will now partner with Ming Chi University of Technology, Taiwan to explore joint research collaborations.

Collaboration with Universities in Japan:

IIT Guwahati is now one of the nine partners in the “Innovative Asia Programme” initiated by the Japan International Cooperation Agreement (JICA) through the Embassy of Japan in India. The programme aimed at providing full-time study in Japan and targeting over 1000 students spread over a period of 5 years.

Chubu University and IIT Guwahati extended the existing MoU for a further period of 5 years on 21.08.2017.

On 8th May, 2017 IIT Guwahati signed an MoU with the National Institute of Advanced Industrial Science and Technology, Japan (NIAIST). The immediate outcome of the MoU was the establishment of a DBT-AIST International Laboratory for Advanced Biomedicine (DAILAB) for advanced cancer research. It is the second such laboratory to be established in India.

Collaboration with Universities in China

IIT Guwahati initiated the process of a “Cooperation Agreement on Applying for Strategic International Innovation key Grants” and an agreement was signed with Soochow University, China to mutually apply for the key grant of 2 Million USD to the Government of China for collaborative research of “Biometric Function Design of Silk-Based Biomaterials and Product Development for Tissue Regeneration”.

IIT Guwahati also signed an MoU with Yunnan University, China for collaborative research on 9 September, 2017.

NATIONAL COLLABORATIONS

IIT Guwahati has signed an MoU with the Indian Naval Academy Ezhimala for academic and research collaboration in the areas of mutual interest; exchange of students, faculty and cooperative seminars, workshops and other academic meetings.

ICCo India: An agreement was signed between the Centre for Rural technology, IIT Guwahati and Innovative Change Collaborative, India to achieve common objectives of addressing India's development challenges through partnerships, especially in North Eastern Region.

IIT Guwahati also signed MoUs with the Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, NIT Agartala and Assam Don Bosco University during the year under report.

MEMORANDA OF UNDERSTANDING (MoUs)

IIT Guwahati at present has 124 national and international collaborations aimed at facilitating research collaborations, student and faculty exchange, joint PhD supervision, and other research related activities. The Institute signed nineteen new MoUs with various educational and research institutes in Japan, China, Taiwan, Cyprus, Switzerland, France, Germany, UK, Romania, Czech Republic, Australia, USA, Argentina, Brazil etc. during the year under report.

INTERNATIONAL STUDENTS

A substantial number of international students from top universities visit IIT Guwahati every year to pursue full time Masters, Doctoral

and Short-term Courses as exchange students and interns. Presently, there are 76 International Students studying in the campus including Research Interns and Exchange Students.

There are also a large number of students, faculty and staff of IIT Guwahati who have visited other institutions for exchange programmes, internships or under flagship programmes such as Erasmus Mundus, DAAD, MITACS, Erasmus+ KA-107.

ALUMNI ACTIVITIES

IIT Guwahati Alumni meet 2017 was successfully organised in Hyderabad in August 2017. It witnessed enthusiastic discussions amongst our alumni, students and other dignitaries. The Institute organized interactive sessions with alumni and present students aimed at providing career and academic guidance to current students. Eight alumni working in various sectors visited the Institute and interacted with the students. An initiative named the Alumni Mentorship Program, in which Institute alumni would act as mentors to currently registered students of IIT Guwahati, was ideated during the July-Dec 2017 semester and implemented during the January-May, 2018 semester. A total number of 104 alumni were involved as mentors and 109 and 77 students from 3rd and 2nd year undergraduates respectively took part as mentees.

The Alumni & External Relations office organised an All IIT Deans' meet of Alumni & International Relations during 23-25 January, 2018. The theme and central focus of the meet was on Alumni, Startups and Entrepreneurships and the meet stressed the ways in which an ecosystem could be created in the IITs to foster entrepreneurship and innovation. The participating IITs were represented by their respective Deans/ Associate Deans and their Alumni Entrepreneurs and Startups.

FACULTY ACHIEVEMENTS

A number of faculty members received awards and brought accolades for the Institute during the year. Some of them are:

- Prof. Latha Rangan - Fellow of the National Academy of Sciences (NASI) Allahabad.
- Prof. Bhisma Kumar Patel - Fellow of the National Academy of Sciences (NASI) Allahabad and Fellow of Indian Academy of Sciences (IAS).
- Prof. Bhisma Kumar Patel - Govt. of Odisha “Samanta Chandra Sekhar Award”.
- Prof. Mihir Kumar Purkait - Fellow of the Royal Society of Chemistry.
- Prof. Gautam Biswas was awarded Honorary Doctorate degree by the Senate of the Aristotle University of Thessaloniki, Greece which is a very well-known University in Greece and Europe.
- Prof. Gautam Biswas - Honoris Causa (Honorary Doctorate) by the National Institute of Technology Agartala.
- Prof. Parameswar K. Iyer has been invited to serve as the Editorial Advisory Board member of two prestigious American Chemical Society (ACS) journals viz. ACS Applied Nanomaterials and ACS Applied Biomaterials.
- Dr. Poonam Kumari – awarded the prestigious Indian National Academy of Engineering (INAE) Young Engineer Award 2017.
- Dr. Lalit Mohan Pandey, “Institution of Engineers (India) - IEI Young Engineers Award 2017-2018”.
- Prof. Arun Goyal, “Excellence in Carbohydrate Research Award 2017”.
- Dr. Manish Kumar Goyal - ISTE-SGSITS National Award for “Best Research Work by the Young Teachers of Engineering

Colleges-2016” and IEI Young Engineers Award 2017-2018 in Environmental Engineering.

- Dr. Debabrata Sikdar, “The Douglas Lampard Electrical Engineering Research Prize And Medal For 2016” for the Best PhD thesis Monash University, Australia.
- Prof. Rakhesh Singh Kshetrimayum and Dr. Brijesh Kumbhani - IETE S. K. Mitra Memorial Award 2017.
- Prof. Arupjyoti Saikia - New India Foundation Fellowship for 2017.
- Dr. Debasish Borah, won the first State Science Award, Assam in the segment “Young Scientist Innovator”.
- Prof V K Dubey was elected as FRSB (Fellow, Royal Society of Biology, United Kingdom), He also became a Member of Board of Governors, The Biotech Research Society of India (BRSI) and Vice President of Bioinformatics and Drug Discovery Society (BIDDS). He was also awarded the Prize for Biomedical Research Conducted in Underdeveloped areas–2016 by Indian Council for Medical Research, Government of India.
- Prof. Utpal Bora was honored with the Title of Vice President for the “Association for Promotion of DNA Fingerprinting and other DNA Technologies (ADNAT)” for the duration 2018 onwards.
- Kusum K. Singh received DBT-NER Overseas Associateship.
- Prof. Pranab Goswami has received Outstanding Contribution in Reviewing Awarded in January 2018 in recognition of his contributions made to the quality of the journal Biosensors and Bioelectronics by the Editors of Biosensors and Bioelectronics, Elsevier, Amsterdam, The Netherlands. He was also nominated as a member of Scientific Advisory Council (SAC) of IASST, Guwahati for a tenure of 3 years.

- Dr Pranjal Chandra was invited as Visiting Professor / Scientist at the Institute of Biophysio Sensor Technology, Pusan National University, South Korea.
- Prof. V.S. Moholkar was elected as Fellow of Institution of Chemical Engineers (ICHE) London, U.K.
- Dr. U. Manna was awarded the BNRS Young Scientist Research Award.
- Dr. D. Das was awarded the DST UKIERI Thematic Partnership.
- Dr. Sandip Paul has been selected as a top author (worldwide) and one of the most prolific authors of the Journal of Physical Chemistry B.
- Dr. D. Srimani attended Alexander von Humboldt Programme at RWTH Aachen University.
- Dr. Manish Kumar Goyal, Department of Civil Engineering has been recognised as an outstanding young scientist and awarded First Runner-Up prize during Indian Youth Poster Competition organized by the Asia-Pacific Network for Global Change Research (APN), Japan.
- Dr. Rajan Choudhary was selected as Fellow of the Institution of Engineers (India). He was also appointed as Member of Committee H-9 on Composite Pavements of the Indian Roads Congress.
- T.V. Bharat has received the best paper award in “Grouting Tech/Environment Tech” and conferred IGS– Prof. A.V. Shroff Biennial Award – 2017 for the paper “Experimental Analysis of Salt Diffusion in Compacted Clays by Through Diffusion and Half-Cell Technique” published in the proceedings of Indian Geotechnical Conference 2016, Chennai, India.
- Pradeep Yammiyavar was conferred the MHRD ‘Teaching Innovation Award – 2016’ under the PMMM Mission of the Govt of India which was announced in 2017.

- Avinash Shende won the Bharat Jyoti Award ‘India Glory Award’ for outstanding work done for the people of North Eastern Region.
- Kannan Karthik received Best Paper Award for the Computer Vision Track-1 in SSIC-2017 for title “Purple Fringing Aberration Detection based on Content Adaptive Thresholds)
- R. K. Sonkar and Chandan Kumar awarded Young Faculty Research Fellowship (YFRF) of Visvesvaraya PhD Programme of Ministry of Electronics & Information Technology, MeitY, Govt. of India for a period of 5 years.
- R. S. Kshetrimayum received best paper award (Third Prize) from IETE Journal of Research Best research oriented paper, 2017. He was also elected as Fellow of Institution of Engineering and Technology (IET), UK, 2017.
- M. K. Bhuyan has been selected for the BIOIMAGING 2018 (Portugal) Best Poster Award for the paper entitled “Dense 3D Reconstruction of Endoscopic Polyp”.
- P.K. Bora and Rohit Sinha have been awarded the IET Signal Processing Premium Award 2017 for their paper titled “Electrocardiogram signal denoising using non-local wavelet transform domain filtering”.
- Sambit Mallick became a Fellow of Sociology of Science and Technology in India by Royal Asiatic Society of Great Britain and Ireland.
- Dilwar Hussain received overall best paper award for his research paper titled “Inhibitors of the Information Technology Success: Insights from Qualitative Investigation” in International Conference on Management Practices for the New Digital economy ICMAPRANE 2018.
- Pahi Saikia received Indo-Shastri Mobility Grant from MHRD, Government of India.

- Amaresh Dalal was awarded Medal and Prize by Indian Society of Heat and Mass Transfer in Best Young Researcher in Heat Transfer-2017.
- G. Biswas delivered the Keynote Lecture in I2CNER Annual Symposium on Challenges in Thermal Science and Engineering organised by Kyushu University, Japan.
- M. Ravi Sankar was awarded the Skill India Indo Global, Research Excellence Award 2017 by Andhra Pradesh and Telengana Skill Development Chapter 2017 for his contribution in Teaching and Research, 2017. He was also awarded Venus International Faculty Award 2017 for Outstanding Faculty in Mechanical Engineering, 2017.
- P Muthukumar was awarded Mechanical Engineering Design Award 2017 by National Design & Research Forum (NDRF) of Institute of Engineers (India) for his Outstanding Individual contribution in Engineering Design. He was also awarded the Fulbright-Nehru Academic & Professional Excellence Award (Teaching & Research) 2017 by Indo-U.S. Science and Technology Forum for his Contribution in Teaching and Research.
- P. Mahanta was invited as a Guest Faculty in Hof University of applied sciences, Germany. He has also received JSPS Fellowship (by invitation) from GIFU University, Japan from October 15 to December 13, 2017.
- Poonam Kumari was awarded Young Engineer INAE-2017 by Indian National Academy of Engineering.
- S. K. Dwivedy was awarded the award for Excellence for his paper published in the Mechanism and Machine Theory journal as one of the top 10 most cited papers since its first publication.
- Bibhas Ranjan Majhi received Rashtriya Gaurav Award from Indian International Friendship Society, New Delhi.

- P. K. Giri is awarded Visiting Research Fellowship, 2018, University of Birmingham, UK.
- Perumal Alagarsamy received NIMS Global Collaboration Fellowship Program FY -2017. He has also received JSPS Invitational Fellowship for Research in Japan (Long term FY-2018).
- Tapan Mishra has been invited to become an Associated Faculty of ICTS-TIFR, Bangalore.

Congratulations to all.

CONSTRUCTION AND CAMPUS DEVELOPMENT

The Institute has seen considerable growth in number of students in the recent past. In conformity with this growth, we are upgrading our infrastructure with new constructions and extensions.

Hostel Buildings:

Construction of the Boys' Hostel 10 with 1004 single-occupancy accommodation along with all common facilities and including 200 rooms with attached toilets for Ph.D. scholars / foreign students is completed and all the rooms are ready for occupation. External work like development of cycle sheds, foot paths etc. is under progress. Construction of Boys' Hostel 11 with 1152 capacity, taken up in March 2015 is progressing satisfactorily. Superstructure works and electrical works in Block A is under progress. About 500 rooms are expected to be completed by 31.10.2018. The whole work including the dining hall is expected to be completed by March 2019.

Expansion of Academic Complex Phase IV:

The Phase IV expansion of academic complex including the class room complex was started in November 2012. The planned expansion of the Department of Chemistry, Electronics & Electrical

Engineering and Mechanical Engineering have been completed and are in use. Construction of 18 class rooms of the Class room complex was completed in November 2017 and remaining works of 6 lecture halls of 200 capacity each are expected to be completed by July 2018.

Work on the 10 storied research building complex started in March 2013 for housing the research facilities of the faculty members and students pursuing undergraduate, postgraduate and PhD programmes as well as to cater to the requirements of time bound funded research projects of various departments. At present and as per the scope of the contract, internal finish with HVAC and electrical works were completed up to G+3 floors in March 2018. However, considering the increasing demand for requirement of space, internal finishing of another two floors was further added to the existing contract. Works in these two floors including remaining external development work is expected to be completed by June 2018.

Expansion of Academic Complex Phase V:

The Phase V of expansion of academic complex has been taken up in the Departments of Design, Computer Science & Engineering, Physics, Chemical Engineering, Humanities & Social Sciences, Mathematics and Centre for Nanotechnology along with a clean room for the Centre. All major works in all the Departments have been completed. The finishing work is continuing which is expected to be completed by July, 2018. Work in the Centre for Nanotechnology is expected to be completed by March, 2019.

Residential buildings:

F-type (Phase-V): The tendering process for construction of 160 units of F-Type residential quarters in 4 towers having G+9 storied residential buildings has been completed and the work is expected to be started shortly.

C and B- type quarters: Work on the proposed 40 units of C and 20 units of B type residential quarters have been taken up. The estimate is under preparation and will be put up in next B&WC for technical approval. The expenditure for the project will be taken from Higher Education Funding Agency (HEFA).

Prefabricated residential quarters:

Construction of 12 units of residential quarters in prefabricated structure to meet the immediate demand for accommodation of faculty & staff has been completed in January, 2018 and all the quarters are under occupation.

Guest house 2:

The construction of 80 general room and 8 nos of VIP rooms out of 165 rooms of the newly constructed Guest House 2 has been completed. Another 50 rooms are almost ready for occupation. The remaining 27 nos room will be completed by the end of August, 2018.

To provide accommodation to the workers of the new as well as the previous Guest House, construction of one dormitory building had been approved by the Institute. The scheduled date of completion is October 2018. The work is under progress now and around 50% work has been completed till date.

Maintenance of Internal Road:

The rectification and maintenance of internal roads of the IIT Guwahati campus for a length of 8.5 Km was entrusted to the Assam Public Works Department (APWD), NH Works in phase-II. The work was almost 80% completed in the year 2017 when some additional allotment of work was done under the same package. APWD (NH) has already mobilised for the additional works allotted and the extended date of completion for the total work has been given up to 13.11.2018. The total progress achieved so far with the extended work is 70% and expected to be completed within the extended time.

Pre-Primary School Building and Daycare Centre:

The work of construction of the Pre-primary school and Day Care Centre was awarded in June 2016. The work has been completed and inaugurated by the Director, IIT Guwahati recently. The building is under use.

Estate Office:

The construction work of the estate office for accommodating the Engineering Section including the supporting staff was allotted in October 2016. In the first phase, construction of G+2 has been taken up out of the approved G+3 structure. The work of the first floor is expected to be completed by 31.10.2018 and the whole building by March 2019.

Boundary wall phase-V:

The construction of boundary wall phase-V (Group-A & B) of 10 feet height and of total 3900 Rm length from the main entrance gate in the northern side towards the Ghorajan nallah near the sewage treatment plant was awarded in January 2017. A length of 2500Rm is on low lying marshy land and the balance 1400Rm is on original

soil. Both the groups have completed the part of isolated RCC footing on original soil. The piling work in low lying marshy area is almost 50% completed by both the groups and the wall is also under progress. The work is expected to be completed within October 2018.

Electrical & AC Infrastructure:

Augmentation of the 33 KV substation and 4 nos. of 11 KV substations have been completed, one new 7.5 MVA transformer has been commissioned and is under operation. As a part of the energy conservation strategy, old tube lights have been replaced by LED lights in Dihing, Kapili and Siang hostels. Simultaneously, old street/garden light fittings have been replaced with energy efficient LED fixtures and solar water heating system is installed in Boys' hostel 10. In addition, 25 Kwp solar plants have been installed in the Computer and Communication Center and is under operation. Another 490 Kwp solar plant in hostel areas has been completed and is in operation. Due to increased need for air-conditioning, a proposal for augmentation of central air-conditioning plants is also in progress.

INSTITUTE EXPENDITURE

The details of expenditure (provisional) during the year 2017-2018 are as follow (in crores of ₹):

| | |
|---------------------------|---------------|
| Revenue expenditure: | 294.93 |
| Capital: | 224.99 |
| R&D: | 83.49 |
| Total Expenditure: | 603.41 |

In comparison, in 2016-2017, ₹446.74 crores were spent.

VISIT OF PARLIAMENTARY COMMITTEE

The first Sub Committee of the Committee of the Parliament on Official Language visited Guwahati during 23-24 October, 2017 to see the progress of the implementation of the official language in Institutions/Organizations under the Central Government and had an interaction with key officials of the Institute on 24 October, 2017. IIT Guwahati hosted the visiting Parliamentarians during their visit. The Department related Parliamentary Standing Committee on Human Resource Development also visited Guwahati on 31 October, 2018. The august members of the Committee interacted with the Heads of the Academic Institutions of Higher Education in this region to take stock of Higher Education and envisage the way forward to raise the standard of education in India in coming days.

EQUAL OPPORTUNITIES

The Institute is committed to extending all required support to members from the reserved categories and differently abled persons. In the year under report, 140 new laptops were distributed to the July 2017 batch undergraduate MSc & MA (Development Studies) SC/ST students, 171 undergraduate MSc & MA (Development Studies) SC/ST students were given Book Allowances, special assistantship was provided to 23 regular SC/ST PhD students who could not complete their PhD programme as per Institute norms but were continuing the same and six (6) folding wheel chairs were purchased and kept readily available for smooth movement of PWDs students. A marathon was organized for PWDs students on Republic Day. The Institute provided guidance and counselling to students with respect to academic, financial, social and other matters. Outgoing students were also given guidance and counseling with regard to higher studies/job/self-employment/tapping of financial resources for entrepreneurship etc.

A lecture on “Dr. B.R Ambedkar’s vision for social inclusion and social justice” was held on 5th January 2018, which was attended by a large number of students and employees. The speaker was Ms. Dona Biswas from Ambedkar University, Delhi.

STUDENTS’ ACTIVITIES

Alcheringa, the annual cultural festival of IIT Guwahati, was held during 1-4 February this year. Alcheringa is now regarded as a much anticipated students’ cultural event in the North-East where thousands of students across the country take part in various youth oriented competitions, workshops, seminars and informal events. The performances of musicians and performing artistes of repute are the real crowd puller. In the past Alcheringa has featured some exhilarating performances from some of the biggest names in the entertainment industry.

The nineteenth edition of Techniche-2017 – the annual techno-management festival of the Institute – was held during 31 August –3 September 2017. Techniche has been an extra-ordinary platform to showcase latest inventions, exhibitions and technological advances from all over the globe. The student teams organise a plethora of events and competitions all designed to make the participants step outside their comfort zones and challenge the institution of conventional thinking. In this edition of Techniche IIT Guwahati hosted Dr. Nadrian Seeman, inventor in the field of DNA Nanotechnology, Dr. Thomas Barclay, Senior Research Scientist at NASA, Mr. Mike Morasky, VFX Artist of *The Matrix* and *The Lord of The Rings* movie series and others who had interactive discussions with the students.

Other regular student events like Manthan, Spirit, Spardha were successfully organised by the students during the year. Moreover,

there have been regular events and competitions organised by the various clubs and societies of the Institute.

STUDENTS' ACHIEVEMENTS

- Yogendra P. Singh, a research scholar of the Dept. of BSBE was selected for two International Fellowships - Newton-Bhabha Fellowship and Raman-Charpak Fellowship for the year 2017.
- G. Janani (PhD student, 2015) was selected for the prestigious Fulbright Nehru Doctoral Research Fellowship 2018. Janani will be visiting USA for 09 months (starting July 2018) and will pursue research work at McGowan Institute, Pittsburg University with Prof. Stephen Badylak on “Bioartificial Liver”.
- Shreya Mehrotra (PhD student, 2013) was awarded prestigious Fulbright Nehru Doctoral Research Fellowship 2017. Shreya is visiting USA for 09 months (September 2017-June 2018) and pursued research work at MIT-Harvard University with Prof. Ali Khademhosseini on “Bioartificial Cardiac Patch”.
- Prerak Gupta (PhD student, 2013) awarded prestigious Fulbright Nehru Doctoral Research Fellowship 2017. Prerak is visiting USA for 09 months (September 2017-June 2018) and pursued research work at Pittsburg University with Prof. David Vorp on “Bioartificial Blood Vessels”.
- Rishikesh Shukla: Young Scientist Award, SBCI: Received Young Scientist Award at 86th Annual Meeting of Society for Biological Chemists, India, Nov. 16-19, 2017 Jawaharlal Nehru University, New Delhi, India.
- Saiprasad Pati (M.Tech) has received the “Ambuja’s Young Researcher’s Awards for doing Post-Graduate Studies in India”, at the 70th Annual Session-cum-Indian Chemical Engineering Congress (CHEMCON 2017).

- Angshuman Das, 2nd year M.Sc. student of the Dept. of Chemistry has secured first (All India) rank in Chemical Sciences in CSIR-UGC-NET-2017.
- Adil and Dibyangana got Tertiary Prize in ISBE Bionic Innovation Competition.
- Md. Adil Afroz was selected for BSBR Fellowship for 6 months in the USA.
- Akriti Kaur was awarded the ACM SIGGRAPH Travel Scholarship to attend VRST 2017 in Sweden. She was also the ACM Student Ambassador at the 50th Turing Awards, San Francisco,
- Amit Kumar Baghel (Research Scholar) and Shashak S. Kulkarni (Project Staff) have been awarded the Gandhian Young Technological Innovation (GYTI) 2018 award for the project titled “Feasibility Study of Wireless Power Transfer using Metamaterial”.
- Mathew Francis (Research Scholar, Dept. of EEE) received the Flytxt Fellowship Award for his paper titled ‘Object Tracking with Classification Score Weighted Histogram of Sparse Codes’ at the 7th International Conference on Pattern Recognition and Machine Intelligence (PReMI 2017).
- M. Kumari received an International Travel Grant (full) from the Centre for the Study of the Sciences and the Humanities, University of Bergen, Norway to attend the 9th Annual Meeting of the Society for the Study of New and Emerging Technologies, Phoenix, Arizona, USA.
- Ramesh Prasad Panda, a research scholar, received the best paper presentation award for presenting a paper titled “The Laplacian Spectrum of Power Graphs of Generalized Quaternion Groups” in the National Conference on Discrete Mathematics (NCDM-2017).

- Kishor Kumar Gajrani a research scholar received the best paper award for his paper ‘Comparative Studies on Mineral Oil, Eco Friendly Bio-Cutting Fluids Treatment and their Machining Performance’ in the National Conference on Sustainable Mechanical Engineering: Today and Beyond (SMETB).
- Sunil Kumar Singh, a research scholar received 2nd Prize in the Student’s Mechanism Design Contest in the International-National Conference on Mechanism and Machines (iNaCoMM), December 2017.
- Md. Nur Alom, a research scholar received the ASME Young Engineer Turbo Expo Participation Award for his research on arriving at the optimum overlap ratio for an elliptical-bladed Savonius rotor, awarded by the American Society of Mechanical Engineers, USA.
- Pilik Basumatary received the best paper award and a cash prize of Rs. 2000/- at the “International Workshop on Physics of Semiconductor Devices”, held at IIT Delhi.
- Shubhangi Bhardwaj received the Young Scientist award at “Advances in Spectroscopic Techniques and Materials”, held at IIT(ISM)-Dhanbad.
- Mriganaka Saha received the SRISTI-BIRAC Appreciation Award of INR ₹1,00,000/- during the winter school program organised by SRISTI Ahmedabad.
- Ashish Singh received an International Travel Award, 2017 from the Department of Science and Technology, India.
- Anamika Dey received the IITG – CSIR-Direct SRF Award, 2017 from the Council of Scientific and Industrial Research, India.
- Srimonti Dutta, Manoj Sharma and Suranjit Basumatary secured a position in the winners list in the event “Ideathon 2017” organised jointly by the Assam government and the UNDP for

providing a solution to the market linkage problem prevailing in the Assam handloom sector.

- Niranjana Meher received best poster awards at the Newton-Bhabha Indo-UK meeting held at IISER Kolkata in December 2018.

The performance of IIT Guwahati sports team at the 52nd Inter IIT Sports Meet 2017 held at IIT Madras was satisfactory. A total of 5 medals were won in the sports meet. In Tennis, IIT Guwahati boys won the Gold medal while in Table Tennis, the girls won the Silver medal. 1 Gold and 2 Bronze medals were also won by the Weightlifting Team.

Our heartiest congratulations to all.

CAMPUS PLACEMENT

The placement scenario at IIT Guwahati for the year 2017-2018 has been impressive so far. A total of 120 companies from various categories [Private, MNC (Indian origin and Foreign origin), Govt., PSU, NGO etc.] and sectors (Sector wise – IT, R&D, Core Engineering, Consulting, Analytics, Finance, Oil & Gas, Education, Pharmaceutical etc.) participated in the recruitment process. The total number of registered students for campus placement in the year 2017-2018 is 979. The overall placement of BTech and BDes students is 79.7%. For BTech and BDes, the total number of jobs offered is 428 for 537 students. An average package offered for BTech and BDes students is ₹15.57 lakhs per annum (treated as CTC).

The overall placement for MTech and MDes students is 50.31%. For MTech and MDes, the number of total job offers is 159 out of 316 students. An average package offered for students is ₹10.97 lakhs per

annum (treated as CTC). For MSc programmes, 4 (Mathematics-4) students have been placed out of 51 registered candidates. For MS (R) program, 1 student has been placed out of 12 registered candidates. For the programme, 2 students have been placed out of 18 registered candidates.

For PhD programmes, 8 PhD students (CSE-2, ME-1, EEE-2, CE-2, Nano technology-1) have received job offers out of 45 registered candidates. This is mainly in the Education and Research sectors.

Overall placement of all programs (BTech and BDes, MTech and MDes, MSc, MSR, MA, PhD) is 61.49%

CLOSING REMARKS

We bid adieu to yet another pool of bright and brilliant young minds who have been nurtured by this institute and who will now step into the real world. We congratulate each one of them. We thank all the stake holders and we promise to discover many more ways to instruct, innovate and inspire. We seek to do that not as a functioning device with inputs and intellect but as a healthy organism with passion, feelings and personal care that uphold the values of our great country.

Jai Hind

Gautam Biswas, FNA
JC Bose National Fellow and Director
Indian Institute of Technology Guwahati