

ANNUAL REPORT 2017 ▶ 2018



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI



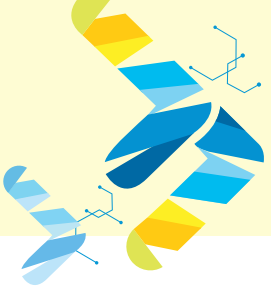
ANNUAL REPORT 2017▶2018

Inside

Director's message	2
The Board of Governors	3
The Building and Works Committee	4
The Senate	4
Student Details	5
Faculty & Staff	6
Research and Development	6-7
Department of Computer Science & Engineering	8-10
Department of Electronics & Communication Engineering	11-13
Department of Sciences & Mathematics	14
Department of Humanities & Social Sciences	15-17
Campus	18
Student's activities	19
Training & Placement	20
Budget & Expenditure summary	21
Appendix (summary of Annual Accounts 2017-18)	22-24



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI



Director's Message



The Institute was in its fifth year of operations in 2017-18. The total student strength of the Institute was 288 in 2017-18, out of which 253 were B.Tech students, 22 were full time PhD students, and 13 were part-time PhD students. The faculty strength at the end of the year was 34 (including the Director, and one Visiting Professor) and the staff strength 20 (including Registrar and OSD, on contract). There were no additions to the faculty or staff and 1 faculty left the Institute.

Classes and the office continued to function from three floors of a building in the campus of the Assam Textile Institute, GNB Road, Guwahati. Students and faculty stayed in hired flats in Shine Heaven Flat Complex, Baghorbori, Guwahati. 75 flats were on lease in the complex as of March 2018.

Sponsored R&D Activities gained momentum with 6 new projects approved during the year. There were 10 projects active in the Institute with a total approved funding of ₹1.9 crores. ₹80,14,404.00 of funds were received during the year.

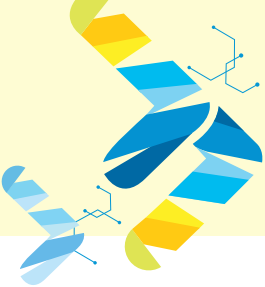
Construction in the campus at Bongora near the airport was in full swing and the Institute planned to shift to the campus in July 2018.

Both Houses of Parliament approved the Indian Institute of Information Technology (Public-Private Partnership) Act, 2017 (No. 23 of 2017) in July 2017, and Gazette Notification was on August 9 2017.

Following this, the Senate was re-constituted as per the provisions of the Act. It was decided to postpone the reconstitution of the Board to after the expiry of the term of the current Board in February 2019. A draft Set of Statutes was framed and submitted to MHRD for the Visitor's Approval, which was awaited. Formation of a Finance Committee awaited the nomination of members by MHRD and the Govt. of Assam.

The B.Tech and PhD Ordinances were approved by the reconstituted Senate and ratified by the Board.

The Institute's Revised Detailed Project (DPR) to MHRD was examined through a Revised Cost Estimate Committee under the Chairmanship of the Joint Secretary and Financial Advisor of MHRD. The RCE Committee recommended the postponement of the second phase of construction and recommended a revised cost estimate of ₹151 crores for the current phase (from the originally sanctioned ₹128 crores). Processing of this recommendation was pending at the end of the year.

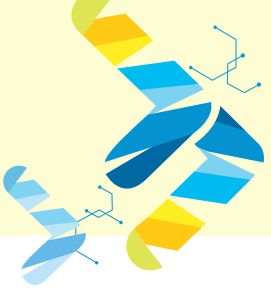


The Board of Governors

The following were members of the Board of Governors in 2017-18:

1. Shri. S. Ramadorai (Chairman) – former CEO, TCS.
2. Prof. Rajat Gupta (Member till November 2017), - Director, NIT Silchar.
3. Prof. Sivaji Bandyopadhyay (Member from December 2017)-Director, NIT Silchar
4. Prof. Dhruva Jyoti Saikia (member till June 2017), - VC, Cotton College State University.
5. Prof. Bhabesh Ch. Goswami (Member from July 2017) – VC, Cotton University.
6. Prof. Gautam Biswas (Member) – Director, IIT Guwahati.
7. Shri. Ranjit Barthakur (Special Invitee) – Amalgamated Plantations
8. Shri. Bedanta Prasad Sarma (Member) – Oil India Ltd.
9. Dr. K. Kesavsamy (Member) – TCS.
10. Shri Ajay Tewari (Member) – Commisioner and Secretary, Higher Education, Govt. Of Assam .
11. Shri. Hemant Kanoria (Member) – SREI.
12. Shri. Rakesh Ranjan (Member till October 2017) – Joint Secretary, MHRD Govt. Of India.
13. Dr.N. Saravana Kumar (Member from November 2017) – Joint Secretary, MHRD Govt. Of India.
14. Prof. Pinakeshwar Mahanta (Member till October 2017) – Dean, Faculty Affairs, IIT Guwahati.
15. Prof. A. Srinivasan (Member from November 2017) – Dean, Faculty Affairs, IIT Guwahati.
16. Prof. M. Guru Prem Prasad (Member) – Dean, Academic Affairs, IIT Guwahati.
17. Prof. Gautam Barua (Secretary) – Director, IIIT Guwahati.

The Board met five times during the year (2nd June 2017, 22nd June 2017, 19th September 2017, 12th December 2017 and 14th March 2018).



The Building and Works Committee

The Building and Works Committee of the Institute is wasas follows:

1. Director, Chairman
2. Additional Secretary or his nominee, MHRD, Govt. of India
3. Principal Secretary or his nominee, Education Dept., Govt. of Assam
4. Sri Kaushik Basu, AGM, IPD TCS nominee
5. Prof. Anjan Dutta, Former Dean Institute Works, IIT Guwahati
6. Sri Gajen Ch. Das, S.E (PWD) as representative of Chief Engineer (Buildings), Assam State PWD
7. Dr. Ferdous Barbhuiya, HoD, CSE, IIIT Guwahati
8. Mr. Kamalasan Goswami, OSD, IIIT Guwahati
9. Executive Engineer, IIIT Guwahati, Secretary

The Committee met three times during the year (15th May 2017, 15th September 2017 and 29th January 2018).

The Senate

The following were the members of the Senate till 19 September 2017:

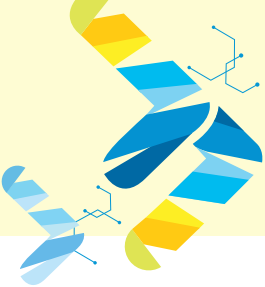
1. The Director of the Institute (chairman of the Senate)
2. All Faculty members at the level of Assistant Professors and higher.
3. Prof. Amarjyoti Choudhury, Ex Pro Vice-Chancellor, Tezpur University
4. Prof. Dilip Kumar Saikia, Director, NIT Meghalaya
5. Prof. M. G. P. Prasad, IIT Guwahati
6. Prof. Madhurjya Prasad Bezbaruah, Gauhati University
7. Prof. Prabin Kumar Bora, IIT Guwahati
8. Registrar, Non Member Secretary

The Senate was reconstituted by the 15th meeting of the Board on 9th September 2017 as per the provisions of the IIITG (PPP) Act, as follows:

- (a) The Director of the Institute who shall be the ex officio Chairperson of the Senate;
- (b) All Deans, ex-officio (currently NIL)
- (c) Heads of all departments, faculties or schools, ex officio, as the case may be, of the Institute;
- (d) All full-time professors other than the Deans or heads of the Departments;
- (e) Three persons from amongst educationists of repute or persons from another field related to the activities of the Institute who are not in service of the Institute, nominated by the Board:
 1. Prof. Amarjyoti Chowdhury, Ex Pro Vice-Chancellor, Tezpur University
 2. Prof. Dilip Kumar Saikia, Tezpur University
 3. Prof. Prabin Kumar Bora, IIT Guwahati
- (f) Three persons who are not members of teaching staff co-opted by the Senate for their specialised knowledge:
 1. Prof. M. G. P. Prasad, IIT Guwahati
 2. Prof. Madhurya Bezbaruah, Gauhati University
 3. Vacant
- (g) Registrar of the Institute, ex officio Secretary.

The Board also agreed that, since there is no regular Professor in the Institute (one faculty on contract and the Director are the only Professors), all faculty in the posts of Assistant Professor and above may be special invitees to the Senate till the Institute has a reasonable number of Professors.

The Senate approved some modifications in the Ordinances for the PhD programme of the Institute. The Senate also approved the syllabi of various courses of the B.Tech programme. The Senate met two times during the year (21st July, 2017 and 5th January, 2018).



Student Details

B.Tech Students Admissions

Students are admitted through the Joint Entrance Examination (JEE) conducted by CBSE for Centrally Funded Technical Institutes. Reservations of seats are as per the Central Educational Institutions (Reservation in Admission) Act, 2006. B.Tech programmes in CSE and ECE were started in 2013. Due to the difficulty in finding accommodation, and due to the high cost of hiring such accommodation, the Institute has had to keep its intake at a low level. The intake has been 60 (30 in CSE and 30 in ECE) in 2013, 2014, 2015, and 2016.

It was increased in 2017 to 80 (CSE 45, ECE 35). Besides admission through JEE, a spot admission round is conducted to fill up unfilled seats.

PhD Programme

The following students were admitted to the PhD programme in 2017-18

Department	Full-time	Part-time	Total
CSE	6	0	6
ECE	4	1	5
Science and Mathematics	1	0	1
HSS	2	1	3

Student Profile

At the end of March 2018, there were 284 students in the Institute with the following profile:

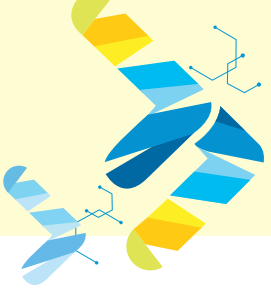
	Male	Female	General	OBC	SC	ST	Total
B.Tech CSE 2013	1	0	0	0	0	1	1
B.Tech CSE 2014	28	4	16	9	4	3	32
B.Tech ECE 2014	23	4	15	7	4	1	27
B.Tech CSE 2015	29	3	18	9	4	1	32
B.Tech ECE 2015	24	4	15	9	3	1	28

	Male	Female	General	OBC	SC	ST	Total
B.Tech CSE 2016	24	3	14	9	3	1	27
B.Tech ECE 2016	24	2	8	13	3	2	26
B.Tech CSE 2017	39	5	23	12	6	3	44
B.Tech ECE 2017	30	5	19	8	4	4	35
B.Tech Total	222	30	128	76	31	17	252
PhD CSE (Regular)	7	3	8	2	0	0	10
PhD CSE (Part-time)	5	1	5	0	1	0	6
PhD ECE (Regular)	3	2	4	1	0	0	5
PhD ECE (Part-time)	3	0	3	0	0	0	3
PhD HSS (Regular)	1	3	4	0	0	0	4
PhD HSS (Part-time)	2	0	0	2	0	0	2
PhD Maths (Regular)	2	0	1	1	0	0	2
PhD Maths (Part-time)	0	0	0	0	0	0	0
PhD Total	23	9	25	6	1	0	32
Total	245	39	153	82	32	17	284

Graduating Students

The first Batch of students graduated in May 2017. 54 students graduated (28 in CSE, and 26 in ECE). 2 students from ECE could not complete their programme in May 2017 due to backlogs. However, they cleared their backlogs by December 2017 fulfilling all the requirements to be eligible for award of degree. With this, the number of students graduated in ECE came to 28 and the total number to 56.

The second batch of students will graduate in May 2018. It was proposed to hold the first convocation of the Institute in May 2018.



Faculty and Staff

The Institute held selections for faculty in 2014, 2015, and 2016. The faculty profile at the end of March 2018 was as follows:

Item	Male	Female	Gen	OBC	SC	ST	Total
LecturerCSE	1	1	2	0	0	0	2
Asst. Prof CSE	7	2	5	2	2	0	9
Professor CSE (on contract)	2	0	2	0	0	0	2
Lecturer ECE	2	0	2	0	0	0	2
Asst. Prof ECE	5	6	9	1	1	0	11
AsstProf Maths	1	2	3	0	0	0	3
AsstProfHSS	3	2	4	1	0	0	5
Total	21	13	27	4	3	0	34

The staff profile was:

Item	Male	Female	Gen	OBC	SC	ST	Total
Registrar	1	0	1	0	0	0	1
OSD	1	0	1	0	0	0	1
Assistant Registrar	1	0	1	0	0	0	1
Executive Engineer	1	0	1	0	0	0	1
Junior Superintendent	5	1	4	1	0	1	6
Junior Accounts Officer	1	1	2	0	0	0	2
Junior Technical Superintendent	6	0	1	2	3	0	6
Senior Library Information Assistant	1	1	0	1	0	1	2
Total	17	3	11	4	3	2	20

Research and Development

Publications

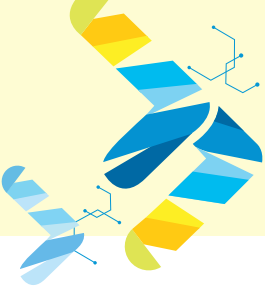
The number of publications has grown over the years as can be seen from the table below. While the per faculty output in 2017-18 is more than 2, a healthy number, the number of journal publications needs to increase.

Year	Journals	Conferences	Book chapters	Total
2013-14	0	0	0	0
2014-15	1	9	0	10
2015-16	6	19	3	28
2016-17	17	35	0	52
2017-18	14	44	3	71

Sponsored Research

An important source of funding for research is sponsored research funding. A number of projects have been obtained, particularly in the last one year. The details are as follows:

	Project Title	Funding Agency	Project Amount	Project start date
1	Faculty Fellowship	NetApp	4,04,055.00	Jun-16
2	Establishment of a Design Innovation Centre (DIC) (Spoke) with NEHU (HUB)	MHRD through NEHU	59,00,000.00	Mar-17
3	Adaptive Learning Models for Land-cover Classification with application in Remote Sensingbased Monitoring of Agriculture and Forestry	DST-SERB	16,28,000.00	Mar-17
4	A Secure and Scalable Inter-cloud Authorisation framework for resource sharing in Cloud Environment	DST-SERB	18,66,810.00	Jul-17



5	BridgingNetworkScience and HPC: Accelerating Big Data Centric Network Analytics usingHPC Technologies	DST-SERB	27,95,130.00	Jul-17
6	Development of MAC associated schemes for largeIEEE802.15.4based networks	DST-SERB	16,98,740.00	Mar-17
7	Design and Development of an Adaptive MiddlewareforSmart Building Monitoring	DST-SERB	21,84,600.00	Jul-17
8	Reducing Energy Consumption and OperatingTemperatureof Last Level DRAM cache in Multicore Systems	DST-SERB	15,27,350.00	Jul-17
9	Impact of occupational mobility on socio-economic-demographic behaviour of tea garden labourcommunityof Assam:Acasestudy	ICSSR	2,00,000.00	Jun-17
10	Proposal for the use of Foldscope asresearch tool	DBT	8,00,000.00	Mar-18
	TOTAL		1,90,04,685.00	

Last year, the Institute was selected to be part of the World Bank funded TEQIP III project. Under this project, funding up to ₹15 crores will be provided over a period of three years. While up to 50% of the funds can be used for procurement of equipment and furniture, 40% is to be utilised to improve the teaching, learning and research processes through various training programmes, lectures, workshops, etc. During 2017-18, about ₹90 lakhs was spent from project funds.

Faculty were engaged in Consultancy work and provided assistance in IT related activities to the Govt. of Assam. Faculty gave inputs to the Department of Finance, Department of Economics and Statistics,

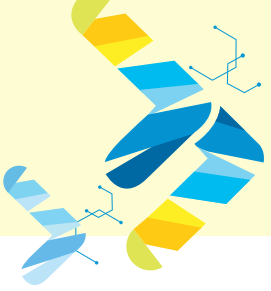
Police Department, Department of IT, Department of Education, etc.

Conferences/Workshops/Schools/Courses

Various conferences, seminars, workshops and schools were organised by the Departments and Centres of the Institute during the year. A few of them were –

1. The Department of HSS conducts a series of lectures and discussions under the banner of “Perspective Meet”. A total of 31 sessions have been held so far, with 11 meetings held in 2017-18.
2. A short term Faculty Development Program was organised by CSE Department on “Data Analytics with Python”, in association with E&ICT Academy, IIT Guwahati from 13th May 2017 to 24th May 2017 for faculty of various technical Institute of the region
3. Graduate Employability Workshops under TEQIP Phase-III, were organized by the Department of Electronics and Communication Engineering, IITG:
 1. Digital Signal Processors (DSP): 2nd, 3rd and 4th February 2018
 2. System Design for IoT Applications: 3rd, 4th, 10th, 11th Feb 2018
 3. FPGA Based System Design: 9th, 10th, 11th Feb, 2018
 4. ARM Based System Design: 29th, 30th, 31st March, 2018.





Department of Computer Science and Engineering

Faculty:

1. Dr. Gautam Barua, Professor, Operating Systems, Networks, Database Management Systems.
2. Dr. Malay Ananda Dutta, Professor, Algorithms and Complexity.
3. Dr. Dip Sankar Banerjee, Asst. Professor, Parallel Computing, High Performance Computing, Runtime Systems.
4. Dr. Ferdous Ahmed Barbhuiya, Asst. Professor, Information Security, Intrusion Detection/Prevention System, Secure System Design, Privacy in Cloud, Firewall and Access Control.
5. Dr. Moumita Roy, Asst. Professor, Machine Learning, Soft Computing, Pattern Recognition, Remotely Sensed Image Analysis.
6. Dr. Nilkanta Sahu, Asst. Professor, Image and Video processing.
7. Dr. Rakesh Matam, Asst. Professor, Wireless Networks, Network Security, Privacy in Mobile Networks, Security in IoT.
8. Dr. Rohit Tripathi, Asst. Professor, Computer networks, Network Economics, Game Theory, Algorithm.
9. Dr. Sirshendu Das, Asst. Professor, Multicore Cache Architectures, Network-on-Chip and Formal Verification.
10. Dr. Subhasish Dhal, Asst. Professor, Information Security, Cloud Computing, Security in RFID, Key Distribution in Wireless Networks.
11. Dr. Suchetana Chakraborty, Asst. Professor, Wireless sensor and mobile ad hoc networks, Intelligent transportation systems, Distributed routing techniques, Context-awareness and pervasive computing.
12. Dr. Subhabrata Paul, Asst. Professor, Algorithms (left in December 2017)

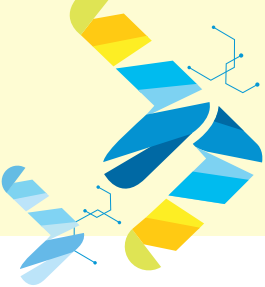
13. Gitmoni Saikia, Lecturer, AI, Machine Learning, Robotics, Algorithms.
14. Sanjay Moulik, Lecturer, Real-time Scheduling, Energy Aware Fair Scheduling, Optical Character Recognition, Software Engineering.

Publications Journals

1. Karan Ahuja, Rahul Islam, Ferdous A Barbhuiya, Kuntal Dey, "CNNs for Ocular Smartphone-Based Biometrics" Pattern Recognition Letters, Vol 91, May 2017, pages 17-26
2. S. Chakraborty and Moumita Roy, "A neural approach under transfer learning for domain adaptation in land-cover classification using two-level cluster mapping," Applied Soft Computing, 64:508–525, 2018.
3. Dheerendra Mishra, Subhasish Dhal, "Privacy Preserving Password-Based Multi-server Authenticated Key Agreement Protocol Using Smart Card", Journal of Wireless Personal Communication, 99(1), pp 1-21, March 2018.
4. Subhasish Dhal, Indranil Sen Gupta, "A New Object Searching Protocol for Multi-tag RFID", Journal of Wireless Personal Communication, 97(3), pp 3547 – 3568, December 2017.
5. N. Choudhury, Rakesh Matam, M. Mukherjee, L. Shu "Beacon Synchronization and Duty Cycling in IEEE 802.15.4 Cluster Tree Networks: A Review", IEEE Internet of Things Journal, 2018.
6. M. Mukherjee, Rakesh Matam, N. Choudhury, L. Shu "Security and Privacy in Fog Computing: Challenges", in IEEE Access, vol. 5, pp. 19293-19304, 2017.

Conferences

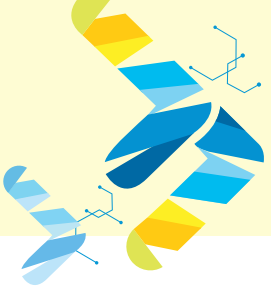
1. Nazatul H Sultan, Ferdous A Barbhuiya, Nityananda Sarma "A Universal Cloud User Revocation Scheme With Key-Escrow Resistance for Ciphertext-Policy Attribute-Based Access Control" International Conference on Security of Information and Networks (SIN 2017), ACM



2. Nazatul H Sultan, Ferdous A Barbhuiya, Nityananda Sarma “SC Auth: Selective User Authorization for a Cloud Environment” IEEE International Conference on Cloud Computing in Emerging Markets (CCEM) 2017, IEEE
3. Karan Ahuja, Anubhav Pandey, Ferdous A Barbhuiya, Seema Nagar, Kuntal Dey, “SmallStore: A Region-of-Interest Based Adaptive System for Human Face Videos” IEEE Tencon 2017,
4. Rohit Tripathi, “Effect of the penalty on the QoS received by multihomed clients,” 19th Asia-Pacific Network Operations and Management Symposium (APNOMS), Seoul, 2017, pp. 223-226.
5. Sanjay Moulik, Arnab Sarkar and H. K. Kapoor, “DPFair Scheduling with Slowdown and Suspension,” 31st International Conference on VLSI Design and 17th International Conference on Embedded Systems (VLSID), Pune, India, 2018, pp. 43-48.
6. Sanjay Moulik, R. Devaraj, Arnab Sarkar and A. Shaw, “A Deadline-Partition Oriented Heterogeneous Multi-Core Scheduler for Periodic Tasks,” 2017 18th International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT), Taipei, Taiwan, 2017, pp. 204-210.
7. Shounak Chakraborty, S. K. Adhikary and Moumita Roy, “Automatic land- cover classification using semi-supervised multilayer perceptron for analyzing remotely sensed images,” In the Proceedings of International Conference on Innovations in Electronics, Signal Processing and Communication (IESC), pages 33-38, Shillong, India, 2017.
8. Subhasish Dhal, Vaibhav Bhuwan “Cryptanalysis and Improvement of a Cloud Based Login and Authentication Protocol”, in Proceedings of the 4th International Conference on Recent Advances in Information Technology (RAIT 2018), pp 668-673, March 2018.
9. M Mukherjee, YR Lu, R. Matam, N Choudhury “Energy trading in sleep scheduling for wireless rechargeable WSNs, International Conference on Communication Systems & Networks (COMSNETS 2018), January 2018.
10. N. Choudhury, R. Matam, M. Mukherjee, “Duty-Cycling in Synchronized IEEE 802.15.4 Cluster-Tree Networks”, 2018 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT 2018), March 2018.
11. N. Choudhury, R. Matam, M. Mukherjee, L. Shu. Dynamic adaptation of duty cycling with MAC parameters in cluster tree IEEE 802.15. 4 networks”, 43rd IEEE Annual Industrial Electronics Conference (IECON 2017), October 2017, Beijing, China.
12. N. Choudhury, R. Matam, M. Mukherjee, L. Shu. Impact of synchronization scheme on duty cycling in IEEE 802.15. 4 cluster tree networks, 43rd IEEE Annual Industrial Electronics Conference (IECON 2017), October 2017, Beijing, China.
13. N. Choudhury, R. Matam, M. Mukherjee, L. Shu. Adaptive Duty Cycling in IEEE 802.15. 4 Cluster Tree Networks Using MAC Parameters, 18th International Symposium on Mobile AdHoc Networking and Computing (ACM MobiHoc 2017), July 2017.
14. A. V Umdekar, A. Nath, S. Das and H. K. Kapoor, “Dynamic Thermal Management by using Task Migration in Conjunction with Frequency Scaling for Chip Multiprocessors”, 31st International Conference on VLSI Design (VLSID) 2018, IEEE
15. Mallipeddi Hardhik, Dip Sankar Banerjee, Kiran Raj Ramamoorthy, Kishore Kothapalli, Kannan Srinathan, “Nearly Balanced Work Partitioning for Heterogeneous Algorithms” 46th International Conference on Parallel Processing (ICPP), 2017, IEEE
16. Mridul Haque and Dip Sankar Banerjee “Accelerating Influence Maximization using Heterogeneous Algorithms” Poster at HiPC 2017 Student Research Symposium

Short Term Courses

1. A short term Faculty Development Program was



organised by Dr. Ferdous Ahmed Barbhuiya on “Data Analytics with Python”, in association with E&ICT Academy, IIT Guwahati from 13th May 2017 to 24th May 2017 for faculties of various technical Institute of the region. The course has seen participation of faculty from various states of the country.

Invited Talks

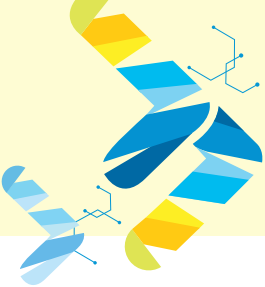
1. Prof. Somnath Gangopadhyay, Professor, University College of Science and Technology, University of Calcutta presented a talk on “Occupational Ergonomics” on 16th March 2018
2. Prof. B.B. Chaudhuri, Professor, Computer Vision & Pattern Recognition Unit, Indian Statistical Institute Kolkata delivered a talk on “Irregularities in Pattern Classifiers” on 27th Feb 2018
3. Dr. Abhishek Shrivastava, Assistant Professor, Department of Design, IIT Guwahati delivered invited Lectures on “Product Design and Ideation” on 9th and 16th Nov 2017
4. Prof. Sharat Chandran, Institute Chair Professor, IIT Bombay presented a talk on “IIT-NIT Joint Seat Allocation 2015: An algorithmic perspective” on 1st Sep 2017
5. Kuntal Dey, IBM Master Inventor, Senior Software Engineer (Research), IBM Research India delivered a talk on “The Third Eye: Detecting the Human Gaze and Understanding Eye-Based Cognition” on 17th April 2017
2. Dr. Subhashish Dhal delivered a TEQIP sponsored expert talk on “RFID based Grouping Proof Generation Problem in Cloud Environment” on 29th January 2018 at Department of Computer Science and Engineering, Assam Engineering College, Guwahati
3. Dr. Ferdous Ahmed Barbhuiya delivered a talk in a Faculty Development Program organised by E&ICT Academy, IIIT Guwahati on “Cloud Computing with AWS on 7th Aug 2017 at KKR and KSR Institute of Technology & Science, Guntur, Andhra Pradesh
4. Dr. Ferdous Ahmed Barbhuiya delivered a talk as a resource person in MeitY sponsored National workshop on “Internet of Things – It’s inside out” on 12th May 2017 at Department of Information Technology, North East Hill University, Shillong, Meghalaya
5. Dr. Dip Sankar Banerjee has presented a talk on “Modern High Performance Computing Systems and Implementation of Deep Learning Frameworks” at Zaloni on 11th Sep 2017
6. Prof. Gautam Barua delivered a talk titled “Re-directing the B.Tech Curriculum towards Business 4.0”, at Sangam 2017, organised by Tata Consultancy Services at Kolkata on 24 November 2017.
7. Prof. Gautam Barua delivered a talk titled “Key Technology Trends”, at a VmWare Meet at Guwahati on 14 December 2017.

Faculty Members invited to other Institutes for Talks

1. Dr. Ferdous Ahmed Barbhuiya delivered a talk as a resource person in DeitY sponsored workshop on “Knowing Cyber Attack – Adopting Honeynet” on 07th March 2018 at Department of Computer Science and Engineering, Tezpur University, Tezpur, Assam

Research Visits by PhD Students

1. Nazatul Haque Sultan was invited by Prof. Maryline Laurent, Head of the R3S (Network, Systems, Services, Security), Telecom SudParis for a research visit of three months during October to December 2018 with full fellowship.
2. Khanjan Sangmai Baruah attended the University Day programme of Netapp Inc. at Bengaluru on March 14, 2018.



Department of Electronics and Communication Engineering

Faculty:

1. Dr. Bidisha Dasgupta, Asst. Professor, Microwave, Antenna.
2. Dr. G Aruna, Asst. Professor, Wireless and Mobile communications, MIMO Systems.
3. Dr. Kuntal Deka, Asst. Professor, Error Correcting Codes, Information Theory, Communications.
4. Dr. Mourina Ghosh, Asst. Professor, Current Mode Circuits, Bipolar and MOS Analog Integrated Circuits.
5. Dr. Rusha Patra, Asst. Professor, Image Processing, Optical Imaging, Biomedical Optics, Computer Vision.
6. Dr. Sanya Anees, Asst. Professor, Free space optical communication, Cooperative communications, Multiple-input multiple-output (MIMO) systems, and Visible Light Communications.
7. Dr. Shilpa, Asst. Professor, Wireless Sensor Networks.
8. Dr. Shovan Barma, Asst. Professor, Biomedical Signal Processing, Emotion Recognition (Based on Speech and EEG Signal), VLSI Design.
9. Dr. Soumyajit Poddar, Asst. Professor, Digital VLSI Design, Photonic Networks on Chip, Architecture for Exascale Computing Systems, 3D-IC, Photonic Devices, Electronic Design Automation, Embedded Systems and Medical Electronics.
10. Dr. Sounak Roy, Asst. Professor, Analog and mixed signal circuits.
11. Dr. Surajit Panja, Asst. Professor, Networked Control Systems, Multi-agent Systems, and Systems Biology.
12. Amar Nath Yadav, Lecturer, Radio frequency integrated circuit, Millimeter wave integrated

circuit, Antenna design, Metamaterial, Optical integrated circuit.

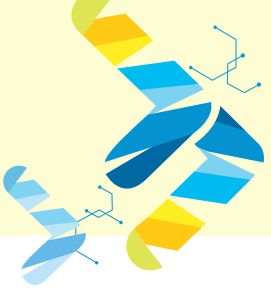
13. Mohd. Mansoor Khan, Electrical Machines and Drives, Control Systems, Advanced Instrumentation and Sensors, Opto-Mechanical Sensors, Fiber Optics and Photonics, Fiber Optic Lasers and All Optical Integrated Devices.

Publications Journals

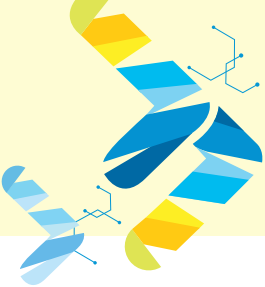
1. A. N. Yadav and R. Bhattacharjee, "Unbalanced-to-Balanced Power Divider With Arbitrary Power Division" in Progress in Electromagnetic Research C, vol. 76, pp. 43- 54, 2017. (July 2017)
2. A. N. Yadav and R. Bhattacharjee, "Dual-band balanced-to-unbalanced out-of- phase equal power divider" in Microwave and Optical Technology Letters, vol. 59, pp. 2078-2083, 2017. (August 2017)
3. G. Aruna, "Outage Probability of EGC Receiver over Composite Fading Channels with Phase Error and Co-Channel Interference," IETE Journal of Research, Volume 63, Issue 3, DOI: 10.1080/03772063.2017.1284611, May-Jun 2017.
4. Sounak Roy, Swapna Banerjee; "A 9-Bit 50 MSPS Quadrature Parallel Pipeline ADC for Communication Receiver Application" published in Journal of The Institution of Engineers (India): Series B, Springer. March 2018.

Conferences

1. A. N. Yadav and R. Bhattacharjee, "Gysel Type Unbalanced-to-Balanced Equal Power Divider," 2017 47th European Microwave Conference (EuMC), Nuremberg, 2017. (8-14 October 2017)
2. A. N. Yadav and R. Bhattacharjee, "Balanced-to-Unbalanced In-Phase Power Divider" 2017 International Microwave and RF Conference (IMaRC), Ahmedabad, 2017. (11-13 December 2017)



3. S. Anees and M. R. Bhatnagar, "Exact Performance Analysis of DF Based Mixed Triple-Hop RF/FSO/RF Communication System," 26th IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC), Montreal, Canada, 8-13 Oct. 2017.
4. S. Anees and M. R. Bhatnagar, "On the Performance of AF based Mixed Triple-Hop RF/FSO/RF Communication System," 26th IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC), Montreal, Canada, 8-13 Oct. 2017
5. S. Anees and M. R. Bhatnagar, "Performance Analysis of Mixed Triple-Hop RF-FSO- RF Communication System," in International Conference on Recent Innovations in Signal processing and Embedded Systems (RISE), NIT Bhopal, India, 25-27 Oct. 2017.
6. M. M. Khan and R. K. Sonkar, "Overmodulation gain dynamics in Thulium doped fiber amplifiers including amplified spontaneous emission," TENCON 2017 - 2017 IEEE Region 10 Conference, Penang, 2017, pp. 2604-2608.
doi: 10.1109/TENCON.2017.8228301
7. Sourav Bhowmik and Surajit Panja, "Synchronization of N-Coupled Hindmarsh-Rose Neuron Model with Time-Varying Delays", presented in IEEE INDICON, IIT Roorkee, India, December 15-17, 2017.
8. M. Ghosh, Bal Chand Nagar, Vishal Tiwari, "Higher order low pass filter using single current differencing buffered amplifier", International conference on Emerging technologies in data mining and information security (IEMIS 2018), University of Engineering and Management, Kolkata, 23-25th February, 2018, (Technical sponsor : Springer and IEEE Kolkata Section). Springer AISC ISSN: 2194- 5357(Advances in Intelligent Systems and Computing), 2018.
9. G. Aruna, Manash Pratim Barman, "Performance Analysis of Advanced Diversity Receivers in the presence of multiple interferers," IEEE-International Conference on Wireless Communications, Signal Processing and Communication Networks, Mar. 2018. (Accepted and presented for publication in IEEE.)
10. G. Aruna, Sabyasachi Bhattacharyya, "Capacity and SNR analysis of a Millimeter Wave Cellular Network with phased Antenna Array," International Conference on Computer Communication and Informatics (ICCCI), Jan. 2018. (Accepted and presented for publication in IEEE.)
11. G. Aruna, "BER of equal gain combiner over composite and non-homogenous channels with co-channel interference and phase estimation error," DOI: 10.1109/ICCCI.2017.8117787, International Conference on Computer Communication and Informatics (ICCCI), Nov. 2017.
12. Soumyajit Poddar, Suraj, Amit Kumar Yadav, Hafizur Rahaman, "OTORNoC: Optical Tree Of Rings Network on Chip for 1000 Core Systems," IEEE 7th International Symposium on Embedded Computing and System Design, ISED 2017, CSE Dept., NIT Durgapur, 18-20 December, 2017.
13. Suraj, Ish kool, Dharmendra Kumar, Dharmendra Kumar, Shovan Barma, "Visual Machine Intelligence for Home Automation", IoT_SIU, January, 2018.
14. Suraj, Parthana Sarma, Amit Kumar Yadav, Amit Kumar Yadav and Shovan Barma, "Keystroke Rhythm Analysis Based on Dynamics of Fingertips," MISIP 2017, Indore, India, December 2017.
15. Jia Wen L, Peng Un Mak, Shovan Barma, Sio Hang Pun, Xu Tong Cui, U Kin Che, Mang I. Vai, "Studies of Scalp level connectivity and representative channels in epilepsy", BMEiCON, Japan, 31st Aug. – 2nd Sept., 2017.
16. Sounak Roy, Raju Naik, Archana Kumari,



Durgam Mahesh, "A flash assisted dynamic range segmented successive approximation register (SAR) analog to digital converter", 2017 International Conference on Circuits, Systems and Simulations, (ICCSS) London, July, 2017.

17. Aakansha, Bidisha Dasgupta," A Simple Printed Antenna for C-Band Applications", 1st International Conference on Engineering Vibration, Communication and Information Processing (ICoEVCI-2018), Manipal University, Jaipur, 9th - 10th March, 2018.
18. Sanapala Chiranjeevi, B. Dasgupta," Broadband Leaf Shaped Microstrip Patch Antenna", Research Conclave 2018, IIT Guwahati, 8th - 10th March, 2018.) (Poster presentation on submitted extended abstract)
19. G.V.S.S.Ganesh, B. Dasgupta," Performance Improvement of Monopole Loaded Hybrid Dielectric Resonator Antenna by using Sleeve-like Structure", Research Conclave 2018, IIT Guwahati, 8th - 10th March, 2018. (Poster presentation on submitted extended abstract)

Invited Talks

1. Bidisha Dasgupta
Topic: On Some Wide Band and Ultra Wide Band Dielectric Resonator Antennas
Presented in Symposium on "Next G Communication: Are we ready?" at Assam Don Bosco University, 1st April, 2017.
2. Rusha Patra
Topic: Image Processing and its Applications
Presented in "Workshop on Signal Processing and Communications", organized by Dept. of ECE, IIT Manipur, 1st - 3rd December, 2017.
3. Kuntal Deka
Topics: I. Basics of Information Theory and Polar Codes II.LDPC Codes
Presented in "Workshop on Signal Processing and Communications", organized by Dept. of ECE, IIT Manipur, 1st - 3rd December, 2017.

Prizes, awards

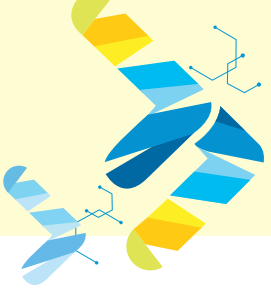
Sanapala Chiranjeevi (2014 Batch) secured 2nd position for the poster presentation on "Broadband Leaf Shaped Microstrip Patch Antenna" in Research Conclave 2018, IIT Guwahati, 8th - 10th March, 2018.

Some Academic Activities

- (i) Initiative made by Dr. Sounak Roy to acquire and use a 180 nm CMOS techfile of SCL, Chandigarh, for the purpose of custom VLSI IC design. NDA (Non-disclosure agreement) between IIT Guwahati and SCL was signed on 26th July, 2017.
- (ii) Below is the list of the Graduate Employability Workshops under TEQIP Phase- III, organized by the Department of Electronics and Communication Engineering.
 - I. Digital Signal Processors (DSP): 2nd, 3rd and 4th February 2018
 - II. System Design for IoT Applications: 3rd, 4th, 10th, 11th Feb 2018
 - III. FPGA Based System Design: 9th, 10th, 11th Feb, 2018
 - IV. ARM Based System Design: 29th, 30th, 31st March, 2018
- (iii) A smart dustbin collector robot, made with eYantra Firebird-V robot and Alexa based Wireless Smart Home system. Both of them were presented at the Advantage Assam Expo February 3-4, 2018.
Team members: Soumyajit Poddar, Surajit Panja, Birabrata Seal
- (iv) A 20 pin digital IC tester designed and developed in ECE lab.
Team members: Birabrata Seal, Arup Borah, Raushan Kumar

Academic Talks

Title: Cyclostationarity for Spectrum Sensing in Cognitive Radios
Name of the speaker: Dr. Ribhu
Affiliation: Assistant Professor, IIT Guwahati
Date: 06-10-17



Department of Sciences and Mathematics

Faculty:

1. Dr. Gautam Kalita, Assistant Professor, Number Theory, Algebra, Cryptography.
2. Dr. Anuradha Jha, Assistant Professor, Numerical solutions of ordinary and partial differential equations, Singular perturbation problems.
3. Dr. Amita Sharma, Assistant Professor, Application of Optimization (Portfolio Optimization), Financial Mathematics, Risk Analysis in decision making problems, Behaviour Finance.

Publications Journals

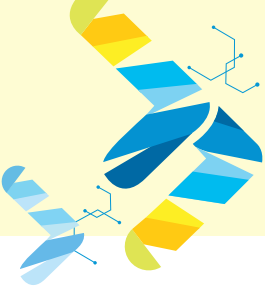
1. Gautam Kalita, Beukers-like supercongruences for generalized Apéry numbers, The Ramanujan J. (2017), <https://doi.org/10.1007/s11139-017-9932-3>.
2. Gautam Kalita, Values of Gaussian hypergeometric series and their connections to algebraic curves, Int. J. Number Theory, 14 (1), 1-18 (2018).
3. Anubha Goel, Amita Sharma, Aparna Mehra, Index Tracking and Enhanced Indexing using Mixed Conditional Value-at-Risk, Journal of Computational and Applied Mathematics, 335, 361-380, (2018).

Conferences

1. Gautam Kalita, Beukers-like supercongruences and a generalization of Apéry numbers, 20th



- International Conference of International Academy of Physical Sciences (CONIAPS XX) on Recent advances in physical sciences and future challenges, Osmania University, Hyderabad, India, July 14-16, 2017.
2. Arjun Singh Chetry and Gautam Kalita, Apéry-like numbers, Gaussian hypergeometric function, and supercongruences, National Conference on Engineering Mathematics (TOPAS-2017), Department of Mathematics, IIT Kharagpur, Dec 16-17, 2017.
3. Amita Sharma, Rebalancing the SSD portfolio for Indian stock market, Third Conference and workshop on Statistical Methods in Finance, CMI Chennai, India, Dec 16-19, 2017.
4. Amita Sharma, Deviation version of SSD model for portfolio selection, International Symposium on OR and Game theory: Modeling and Computation, ISI Delhi, India, Jan 9 - 11, 2018.



Department of Humanities and Social Sciences

Faculty:

1. Dr. Suranjana Barua, Asst. Professor, Sociolinguistics, Discourse/ Conversation Analysis, English Language Teaching, Translation Studies, Gender Studies.
2. Dr. Hari K. Choudhury, Asst. Professor, Issues related to Development Economics, Health Economics and Experimental Economics.
3. Dr. Rajarshi Mitra, Asst. Professor, Colonial and Postcolonial Studies, Colonial Culture, Anglo-Indian novels, Animal Studies, Urban Studies.
4. Dr. L David Lal, Asst. Professor, Politics of Identity, Caste Conflicts, Socio-Political History of Marginalised, Public Policy.
5. Dr. Kaveri Deb, Asst. Professor, International Trade, Development Economics, Applied Econometrics.

Academic Events

- I. A National Seminar on “Conflict and Environment in North East: Forging a Green Lens” was organized in the Department of HSS on 4th and 5th November, 2017.

Funded by Indian Council of Social Science and Research. Convenor: Dr Rajarshi Mitra

Co-Convenor: Dr L. David Lal

- II. A day long Soft Skills’ Workshop Under TEQIP III was organized by the Department of HSS on 24 March, 2018. The Workshop was conducted by SkillGym, Guwahati.

A total of 33 students from third and fourth year registered for the course and they were given training in six modules of Soft Skills viz. Comprehension Skills, Speaking Skills, Business Writing Skills, Personal Grooming, interview Skills and Group Discussion.

Publications

I Book Chapters

Suranjana Barua. ‘Symbolic Acts, Implied Character: Constructing the Peer Identity’. In Om Prakash and Rajesh Kumar (Eds.) *Linguistic Foundations of Identity:*

Readings in Language, Literature and Contemporary Culture. Aakar Books, New Delhi (2018) pp.48-62 (ISBN: 978-93-5002-540-6).

L David Lal. “Dalits Quest for Citizenship in Quotidian Violence”, in Aakash Singh Rathore edited book titled ‘Dr Ambedkar: His Thoughts and Philosophy Vol. 1-5, Oxford: New Delhi, 2018 (forthcoming)

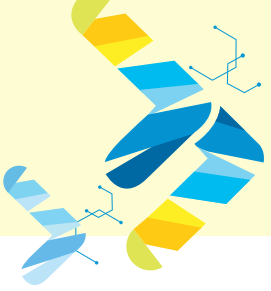
Rajarshi Mitra. Entry on “Liberal Party” and “Roger Casement” for “The British Empire: A Historical Encyclopedia” (forthcoming in spring, 2018)

II Seminars/ Conferences

Suranjana Barua. ‘What I am (not): Discourse Strategies for Identity Mitigation amongst Peers’. Research paper presented at International Conference on Language, Culture and Identity, GLA University, Mathura in collaboration with Central Institute of Indian Languages, Mysore, November 10-11, 2017.

Kaveri Deb. “China Shock and Wages in India” at the 54th Annual Conference of The Indian Econometric Society (TIES), organized by Shri Mata Vaishnodevi University, Katra, Jammu, 2018, March 7-9.

L David Lal. ‘Language, Identity, Cultural Protest and Political Meanings: Evidence from Jhallikattu Protest in Tamil Nadu’. Research paper presented in International Conference on Language, Culture and Identity’, organised by GLA University, Mathura in collaboration with Central Insitute of Indian Languages, Mysore on 10- 11, November, 2017.



L. David Lal. 'Understanding Citizenship through Caste Lens in India'. Research paper presented International Conference on 'Violence and Citizenship' organised by Centre for Citizenship Studies, Wayne State University, Detroit, Michigan, USA, on 30th March-1st April, 2017.

Rajarshi Mitra. "The White Hunters and their Brown Followers: Big-game Hunting in Victorian India and its legacy". Research paper presented at two-day conference on "Victoriana" in the Department of English and C. S, The University of Burdwan (14-15 September, 2017)

III Editorial

Suranjana Barua (with Rajesh Kumar). Associate Editor for Issue 12 (July, 2017) of journal *Language and Language Teaching*. ISSN: 2277-307X.

Editorial Committee Member for Issue 13 (January 2018) issue of *Language and Language Teaching*. ISSN: 2277-307X.

Suranjana Barua and L. David Lal (Eds.) *Genesis*. First IIITG Yearbook 2017. Orchid Publication; Guwahati (ISBN 978-93-81419-25-0)

IV Magazine Paper

Rajarshi Mitra. "Bucolic Bratas: Women and Religious Rituals at Home". Invited Paper for *Biennial Magazine of the B Baruah College Women's Forum* (March 2017).

Invited Lectures/ Talks

Suranjana Barua. 'Style of Academic Writing: Issues of Clarity, Consistency and Coherence'. Invited lecture at the Modular Workshop on Academic Writing, Data Analysis and Report Writing Skills organized by Unit for Research and Development, Tata Institute of Social Sciences, Guwahati Campus (20-25 March, 2017).

Suranjana Barua 'Preparation of Scientific Research Proposals: Basic Steps' and 'Defining the Research Problem'. Invited lectures in *Orientation Course on Research Methodology for the Faculty of Social Sciences of North Eastern Region* organized by National Institute of Public Cooperation & Child Development (NIPCCD), (Ministry of Women & Child Development) Government of India (October 23 – 27, 2017)

L. David Lal. 'Selection and Preparation of Research Tools'. Invited lecture in *Orientation Course on Research Methodology for the Faculty of Social Sciences of North Eastern Region* organized by National Institute of Public Cooperation & Child Development (NIPCCD), (Ministry of Women & Child Development) Government of India (October 23 – 27, 2017)

L. David Lal 'Management of Conflict and Conflict Management Styles', in *Training of Trainers Programme on Youth and Peace Building*, organized by Rajiv Gandhi National Institute of Youth Development (RGNIYD), Sriperumbudur, Tamil Nadu at the National Institute of Rural Development and Panchayati Raj, North Eastern Regional Centre, Guwahati, Assam on 19-23 September 2017.

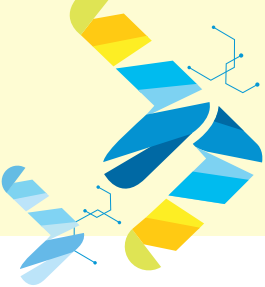
Course Participation

Rajarshi Mitra. GIAN (Global Initiative of Academic Networks) course on "Radical Aesthetics in Third World Cinema: The Case of Latin America" at the Department of Film Studies, Jadavpur University from December 08 to 16, 2017.

Dimple Choudhury (PhD Scholar, Dept. of HSS). GIAN (Global Initiative of Academic Networks) course on 'Languages Endangerment and Allied Topics' at the Department of Linguistics, Aligarh Muslim University from 18 December to 24 December, 2017.

Perspective Lecture Series

Faculty Members of the Department of HSS along with other faculty members of the Institute have been organizing regular interdisciplinary lectures/



academic events in monthly Meets under the IIITG Perspective Lecture Series. The Perspective Meets for the period April, 2017- March, 2018 are listed below:

Perspective Coordinators: Dr Suranjana Barua and Dr L. David Lal

MEET	DATE	SPEAKER	AFFILIATION	DISCIPLINE	TOPIC
MEET 21	9 June, 2017	Dr Meghadeepa Chakraborty	Asstt Prof. (TISS Guwahati)	Social Work	'Impacting Rural Livelihoods: Significance of Indigenous Technology and Innovation'
MEET 22	14 July, 2017	Dr. Jagannath Ambagudia	Associate Prof. Tata Institute of Social Sciences (TISS), Guwahati	Social Science	'Tribal Politics in India'
MEET 23	11 August, 2017	Dr Shanta Bhar	Drug Discovery Professional and Guest Faculty, IIITG	Organic Chemistry	'Bioinformatics: A Blend of Informatics and Medicine'
MEET 24	15 September, 2017	Dr Arup Chattopadhyay	Asstt Professor Dept. of Mathematics IIT Guwahati	Mathematics	'Theory of Majorisation and Its Applications'
MEET 25	13 October, 2017	Sandamita Choudhury	Consultant Clinical Psychologist, Mind India Institute of Positive Mental Health and Research	Clinical Psychology	'Self-Regulation of Emotion'
MEET 26	8 November, 2017	Prof Raj Sekhar Basu	Professor, Dept of History, University of Calcutta	History	'In the Quest for a New World: Viramma and the Depiction of Dalit Womanhood.'
MEET 27	3 December, 2017	Dr Rusha Patra	Dept of ECE, IIITG	Electronics and Communication Engineering	'Continuous Wave Diffuse Optical Tomographic Reconstruction with Improved Accuracy '
MEET 28	28 January, 2018	Writam Changkakoti	Keyboardist and Music Instructor: The School of Art and Music	Music	'Speaking Music – Doing Music '
MEET 29	9 February, 2018	-	Documentary Screening cum Exhibition	International Day of Women and Girls in Science	A Documentary Screening cum Exhibition and Peer Discussion for International Day of Women and Girls in Science (11 Feb) '
MEET 30	9 March, 2018	Dr Poonam Kakoti Borah	Assistant Professor, Dept. Of Women's Studies, Gauhati University, Guwahati	Gender Studies	'Patriarchy, menand Masculinities: The Relevance of Gender'



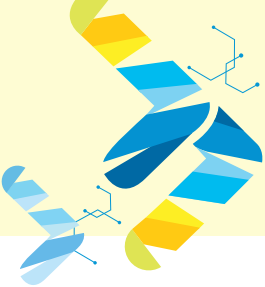
Campus

Construction at the campus site started in December 2014. M/S Hindustan Prefab Ltd. were engaged as the Project Management Consultants, and M/S Mriduanjali Associates were chosen as the Architect Consultants. In the current phase of construction which is nearing completion, a 9200 sqm building has been constructed and this will house all administrative and academic activities of the Institute. There is a Boys' hostel for 400 students and a Girls'

hostel for 100 students. 48 flats for faculty have been constructed. Besides this there is an electric substation, a water supply scheme, sewage treatment plants, roads, and boundary wall. This phase has been constructed at an approximate cost of ₹140 crores. The plot being low lying, a lot of land filling was required and piles have had to be bored to about 16 m. Special care had to be taken to build in earthquake resistance as the NE is in an earthquake prone zone. The Institute has a plan of moving to the campus by July 2018.



A view of the Campus



Student's Activities

Below is a calendar of events related to students' activities:

1	21/6/17	International Day of Yoga; celebrated with Yoga Session involving faculty, staff and PhD Students
2	15 /8/17	Students' Cultural Programme for Independence Day
3	8/9/17	Second Students' Gymkhana Election of IITG
4	26/10/17	Fresher's Welcome for 2017 Batch
5	5/11/17	Friendly Sports Matches with IITG
6	11/11/17	Induction Programme for first Year Students (under TEQIP III)
7	26/1/17	Students Cultural Programme for Republic Day
8	16-18/3/18	Yuvaan (IITG Annual Techno-Cultural and Sports Festival)
9	24/3/18	Day long Soft Skills' Workshop for Pre-final and Final Year Students (under TEQIP III)



Students' Achievements

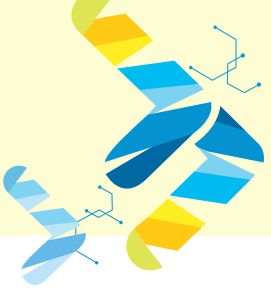
Karan Ahuja got admission into the PhD programme in the Department of Electrical and Computer Engineering, Carnegie Mellon University, USA with a Chancellor's Fellowship

Rohan Mital got admission into the PhD programme in the Department of Electrical Engineering, University of Texas, Austin, USA.

Sanapala Chiranjeevi, ECE, (2014 Batch) secured 2nd position for the poster

presentation on "Broadband Leaf Shaped Microstrip Patch Antenna" in Research Conclave 2018, IIT Guwahati, 8th – 10th March, 2018.

Rakesh Senwar, CSE, (2016 batch), First Prize in Code War (coding competition), organized by Assam Engineering College.



Training and Placement

Placement Status 2016-17 Batch:

During the placement session 2016-17, the companies which participated in our campus placement process were Amazon, Directi, Smartprix, Nagarro, TCS, Zaloni, IBM Global services, FR Technology, Mettl, and STAQU Technologies. The placement status till June 2017 was as follows:

- Number of students completed program: 54
- Number of students opted for higher studies (PhD, MS, M.Tech, MBA): 6
- Total students placed (through on-campus and off-campus recruitment): 30.
- Percentage of students placed: 62.5%
- Average salary of placed students is 5.64 LPA

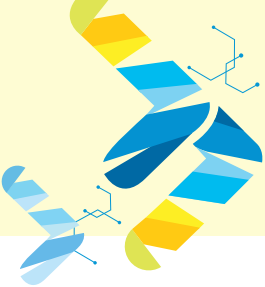
The prominent Institutions where students got admission for higher studies are: Carnegie Mellon University, University of Texas at Austin, Harvard Medical School, University of Hildesheim Germany, IIT Dhanbad. After they left IIITG students of our first batch got selected in various companies, some of which are: IBM Research Lab, ABB, Egnify Technologies, TCS, Pi Axis Technologies, Parallel Dots, Chatterbox Technologies, IQLECT, Formcept, Tonbo Imaging, Mettl, 3N Technologies, Two Roads Technologies, UpGrad, Zaloni, Simplilearn, Radiance Academy, Silicon & Beyond, Technomate Edubotics, Invento Makerspaces etc.

Placement Status 2017-18 Batch:

IIIT Guwahati has had a successful placement session during 2017-18. Some of the companies where our students got placed are: TCS, Microsoft, Mojo Networks, Tejas Networks, Cohesity, Wipro, TechJect, UpGrad, Tectards, Zaloni, Fractal Analytics, Neural care, Robert Bosch RTC, Dimension NXG, Chatterbox Technologies, Inkriti, CoinDelta, Techvariable, Tetcos, Capital Via, Cracku, SAMM, Bizongo, Open Futures, Accubits Technologies, and Leadsquared. The selection processes for some companies are still going on.

The students got offers from both on-campus and off-campus selection processes. The statistics so far are:

Category	ECE	CSE	Overall
(1) Total student registered	26	32	58
(2) Total job offered	13	30	43
(3) Average salary	6.56 LPA	6.7 LPA	6.68 LPA
(4) Total student selected	11	22	33
(5) Students going for higher studies	5	2	7
(6) Students having their own company	1	1	2
(7) Highest salary	15 LPA	17 LPA	17 LPA
Percentage placed so far	65.4%	78.1%	72.4%



Budget and Expenditure Summary

The Budget and expenditure summary for the year are as follows:

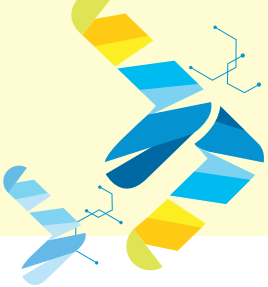
Item	Recurring (₹)	Non-Recurring (Rupee Foradian)
Balance B/F from 2016-17	NIL	14,85,38,151.32
Expenditure 2017-18	8,35,71,623.97	22,32,90,958.00
Grant in Aid 2017-18	1,50,00,000.00	49,03,00,000.00
Internal Revenue	3,58,61,894.02	N/A
Balance carried over	(3,27,09,729.95)	41,55,47,193.32

Sources of Funds (including carry-over of funds)

Item	Recurring (₹)	Non-Recurring (₹)
Govt. of India	1,50,00,000.00	34,23,00,000.00
Govt. of Assam	NIL	21,11,38,151.32
Industry Partners	NIL	8,54,00,000.00
Income from Interest	30,54,436.00	NIL
Income from Fees and others	3,28,07,458.00	NIL

A summary of the Annual Accounts is given in the Appendix.





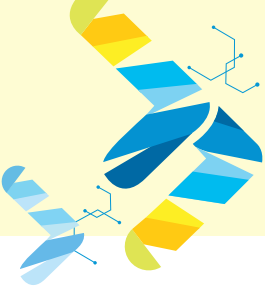
Appendix – Summary of the Annual Accounts of 2017-18

BALANCE SHEET AS AT 31 ST MARCH 2018			
[Amount in ₹]			
SOURCES OF FUNDS	Schedule	Current Year	Previous Year
CORPUS/CAPITAL FUND	1	869,672,690.00	486,791,461.95
DESIGNATED/ EARMARKED / ENDOWMENT FUNDS	2	2,654,315.00	1,722,375.00
CURRENT LIABILITIES & PROVISIONS	3	256,319,881.89	170,453,693.19
TOTAL		1,128,646,886.89	658,967,530.14

APPLICATION OF FUNDS	Schedule	Current Year	Previous Year
FIXED ASSETS	4		
Tangible Assets		26,900,428.68	32,316,652.68
Intangible Assets		32,820.00	1,576,972.00
Capital Works-In-Progress		884,802,967.00	468,345,009.00
INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS	5		
Long Term		-	-
Short Term		-	-
INVESTMENTS - OTHERS	6	-	-
CURRENT ASSETS	7	15,492,964.21	147,934,043.46
LOANS, ADVANCES & DEPOSITS	8	201,417,707.00	8,794,853.00
TOTAL		1,128,646,886.89	658,967,530.14

Income and Expenditure

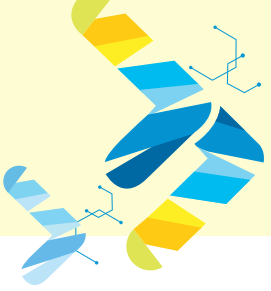
[Amount in ₹]			
Particulars	Schedule	Current Year	Previous Year
INCOME			
Academic Receipts	9	-	-
Grants / Subsidies	10	15,000,000.00	25,000,000.00
Income from investments	11	3,054,436.00	5,328,443.00
Interest earned	12	-	-
Other Income	13	32,807,458.02	33,118,811.27
Prior Period Income	14	-	-
TOTAL (A)		50,861,894.02	63,447,254.27
EXPENDITURE			
Staff Payments & Benefits (Establishment expenses)	15	53,330,099.00	49,366,825.00
Academic Expenses	16	1,862,223.00	3,942,434.00
Administrative and General Expenses	17	12,593,010.97	15,523,532.00
Transportation Expenses	18	3,302,753.00	4,070,179.00
Repairs & Maintenance	19	7,191,510.00	5,991,457.00
Finance costs	20	-	-
Depreciation	4	5,560,378.00	5,102,810.00
Other Expenses	21	-	-
Prior Period Expenses	22	(268,350.00)	2,300,694.00
TOTAL (B)		83,571,623.97	86,297,931.00
Balance being excess of Income over Expenditure (A-B)		(32,709,729.95)	(22,850,676.73)
Transfer to / from Designated Fund			
Building fund			
Others (specify)			
Balance Being Surplus / (Deficit) Carried to Capital Fund		(32,709,729.95)	(22,850,676.73)



RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2018

		Amount in ₹	
RECEIPTS		Current Year	Previous Year
I.	Opening Balance		
	a) Cash Balances	10,276.00	218.00
	b) Bank Balance		
	i. In Current accounts	36,110,610.09	43,240,293.91
	ii. In Deposit accounts	101,046,807.00	146,887,169.00
	iii. Savings accounts	10,766,350.37	268,853.00
II.	Grants Received		
	a) From Government of India	357,300,000.00	165,000,000.00
	b) From State Government	148,000,000.00	100,000,000.00
	c) From Industry Partners	-	45,400,000.00
III.	Academic Receipts	-	-
IV.	Receipts against Earmarked/ Endowment Funds	32,450,051.90	23,040,100.00
V.	Receipts against Sponsored Projects/Schemes	8,014,404.00	-
VI.	Receipts against sponsored Fellowships and Scholarships	-	-

		Amount in ₹	
PAYMENTS		Current Year	Previous Year
I.	Expenses		
	a) Establishment Expenses	53,330,099.00	49,366,825.00
	b) Academic Expenses	1,862,223.00	3,942,434.00
	c) Administrative Expenses	12,593,010.97	15,523,532.00
	d) Transportation Expenses	3,302,753.00	4,070,179.00
	e) Repairs & Maintenance	7,191,510.00	5,991,457.00
	f) Prior period expenses	801,348.00	-
	g) Finance Cost	-	-
II.	Payments against Earmarked/ Endowment Funds	31,518,111.90	32,878,304.27
III.	Payments against Sponsored Projects/Schemes	11,487,600.12	-
IV.	Payments against Sponsored Fellowships/ Scholarships	-	-
V.	Investments and Deposits made	-	-
	a) Out of Earmarked/ Endowments funds	867,000.00	2,572,549.00
	b) Out of own funds (Investments- Others)	416,457,958.00	221,277,660.00



		Amount in ₹	
RECEIPTS		Current Year	Previous Year
VII.	Income on Investments from		
	a) Earmarked/ Endowment funds	-	-
	b) Other investments	-	-
VIII	Interest received on		
	a) Bank Deposits	3,501,786.00	5,328,443.00
	b) Loans and Advances		
	c) Savings Bank Accounts	-	-
IX.	Investments encashed	-	-
X.	Term Deposits with Scheduled Banks encashed	-	-
XI.	Other income (including Prior Period Income)	32,807,458.02	33,118,811.27
XII.	Deposits and Advances	34,155,637.32	27,129,022.87
XIII.	Miscellaneous Receipts including Statutory Receipts	-	-
XIV	Any Other Receipts - Capital Work in Progress refund	-	-
TOTAL		764,163,380.70	502,932,323.23

		Amount in ₹	
PAYMENTS		Current Year	Previous Year
VI.	Term Deposits with Scheduled Banks	867,000.00	2,572,549.00
VII.	Expenditure on Fixed Assets and Capital Works - in- Progress	416,457,958.00	221,277,660.00
	a) Fixed Assets	-	-
	b) Capital Works- in-Progress	-	-
VIII.	Other Payments including statutory payments	-	-
IX.	Refunds of Grants	-	-
X.	Deposits and Advances	212,595,498.50	19,375,339.50
XI.	Other Payments	-	-
XII.	Closing balances	-	-
	a) Cash in hand	46,527.00	10,276.00
	b) Bank balances		
	In Current Accounts	855,605.84	36,110,610.09
	In Savings Accounts	9,265,831.37	10,766,350.37
	In Deposit Accounts	5,325,000.00	101,046,807.00
TOTAL		764,163,380.70	502,932,323.23



Indian Institute of Information Technology Guwahati

Bongora, Guwahati- 781 015, Assam, INDIA

Tel: +91 361 2630015

Website: www.iiitg.ac.in

