



annual report

AUG 2015 - AUG 2016



To build on the track record set by
in general and Bangalore in particular
enable India to play a key role
IT scenario through mass internet
with a focus on education and research,
entrepreneurship and innovation.



International Institute of Information Technology Bangalore



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To build on the track record set by India in general and Bangalore in particular, to enable India to play a key role in the global IT scenario through a world class institute with a focus on education and research, entrepreneurship and innovation.

MISSION

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Mr. S. Gopalakrishnan
Chairman
Co-founder, Infosys Ltd.
Individual Member



Mr. B.V. Naidu
Chairman
Sagitaur Ventures India Private Limited
Founder Member



Mr. I.S.N. Prasad, IAS
Principal Secretary
Finance Department
Government of Karnataka



Ms. V. Manjula IAS
Principal Secretary
Department of Information Technology,
Biotechnology and Science & Technology
Government of Karnataka



Mr. Srivatsa Krishna, IAS
Secretary
Department of Personnel and
Administrative Reforms (e-Governance)
Government of Karnataka



Mr. Prabir Kumar Das
Director
Software Technology Parks of India (STPI), Bangalore
Government of India



Professor Jitendra Malik
Department of Electrical Engineering
& Computer Science
University of California, Berkeley, USA
Academic



Professor Pankaj Chandra
Former Director
Indian Institute of Management Bangalore
Academic



Mr. R. Chandrashekhkar, IAS (Retd.)
President
NASSCOM
Industry Association



Ms. Neelam Dhawan
Former Managing Director
Hewlett Packard India Sales Private Limited
Patron Member



Ms. Kumud M. Srinivasan
President
Intel Technology India Private Limited
Individual member



Dr. Sudha Murty
Chairperson
Infosys Foundation
Individual Member



Ms. R. Rajalakshmi
Former Director
Software Technology Parks of India (STPI),
Bangalore
Individual member



Mr. Gautam Hegde
Managing Director
Backend Bangalore Private Limited
Alumni member



Professor S. Sadagopan
Founder Director
International Institute of
Information Technology Bangalore
Ex-officio (Director)



Prof. S. Sadagopan
Director



V.S. Prakash
Registrar



Prof. S.S. Prabhu
Adviser (Academics)



M. Pitchaiah
Advisor (Finance)



J.P. Patil
Chief Administrative Officer



Prof. Debabrata Das
Dean (Academics and R&D)



Prof. Balaji Parthasarathy
Dean (Faculty)



Prof. R Chandrasekhar
Associate Dean (Academics)



Prof. Jaya Sreevalsan Nair
M.S./ Ph.D. Course Coordinator



Prof. V N Muralidhara
M.Tech. Course Coordinator



Prof. Jyotsna Bapat
Integrated M.Tech.
Course Coordinator



Prof. Srinivasa Raghavan
Faculty-in-charge Internship
& Placements



Prof. S. Rajagopalan
Faculty In-charge
Institutional Finance



Prof. Tricha Anjali
Faculty In-charge
Student Exchange Program



Prof. V. Sridhar
Faculty In-charge
Library



Prof. T.K. Srikanth
Faculty In-charge Computing



Prof. Madhav Rao
Faculty In-charge Labs



Prof. Sujit Kumar Chakrabarti
Warden (Men's Hostel)



Prof. Meenakshi D'Souza
Warden (Women's Hostel)



D.V. Jagadish
CEO, Outreach



Prof. Ramesh Sundararaman
Web Resources &
Innovation Centre In-charge



M.K. Durai Murugan
IT and Data Centre Manager



Ramadevi S.
Librarian



I am pleased to present some highlights of the year 2015-16, a year that saw many new initiatives in terms of programs, research and outreach.

I. Graduated the 2000th M.Tech graduate.

Year	Joined	Graduated	Cumulative
2012-2014	155	155	1841
2013-2015	137	136	1977
2014-2016	154	154	2131

Master of Science by Research Graduates:

Year	Joined	Graduated	Cumulative
2013-2014	4	3	18
2014-2015	13	5	21
2015-2016	8	11	32

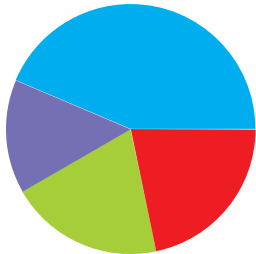
PhD. Graduates:

Year	Joined	Graduated	Cumulative
2013-2014	8	3	7
2014-2015	9	7	14
2015-2016	13	12	16

2. Placements continue to be strong for the 16th year in a row with near 100%.

Placements in premier global corporations/ students joining Ph.D. programs in premier global universities.

Top 5 employers of 2016 :



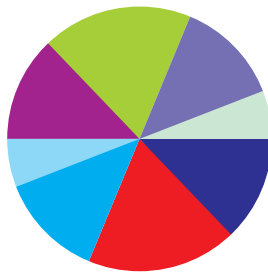
- CISCO - 24
- ByDesign - 12
- IBM - 11
- Intel - 8

Full time employment details:

Maximum Package per annum (in lakhs)	Rs. 27.5
Average Package per annum (in lakhs)	Rs. 12.7
Minimum Package per annum (in lakhs)	Rs. 7.0

3. ESD M.Tech. program graduates the first batch of students.

Companies that recruited M.Tech (ESD):



- ByDesign - 3
- IBM - 3
- CISCO - 2
- Infosys - 2
- Samsung - 2
- Samsung R & D - 2
- Mathworks - 1
- Qualcomm- 1

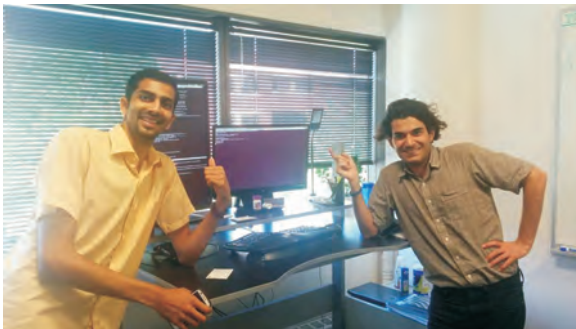
4. New program in Digital Society launched in August 2015.

5. Students winning laurels in several Hackathons.

Hackathon	Date	Team / Students	Ranked	Remarks
Swiss-Re Bluemix Hackathon	Jan. 30-31	Team Refugees (Abhijay Arora (IMT2012049), Anubhav Bharadwaj (IMT2012006), Lijo Johnny (IMT2012023))	First Prize	Rs. 300,000 Cash Prize
Hilti Mobile App Hackathon 2016	Feb. 22-25	Team Refugees Akshay Jindal (IMT2012002), Anubhav Bhardwaj (IMT2012006), Lijo Johny (IMT2012023) Sanat Rakesh (IMT2012039), and V. Abhijay (IMT2012049)	First prize	All expense 7 day trip to USA & internship offer at Kuala Lumpur.
Mylan Hackathon By Myntra	March 19-20	Team bitMAP, Shishir Uniyal (Mt2015105) Shubham Gupta (Mt2015106), SoumyadipSaha (Mt2015110), Subhas Das (Mt2015112), Sujit Kumar Muduli (Mt2015113))	First prize	Rs. 3,50,000 cash prize

Hackathon	Date	Team / Students	Ranked	Remarks
Hackerramp 2016 Hackathon	April 16-17	Team Refugees (ParthSavjani (Mt2014107) Anubhav Bhardwaj (IMT2012006), LijoJohny (IMT2012023), Abhijay (IMT2012049))	First prize	Rs 1,00,000 Cash prize
Civic-Tech Hackathon jointly by IIIT-B & Janaagraha	March 12	Team Zense Samyak Upadhyay (IMT2013039) Shivam Kumar (IMT2013042) Vikas Yadav (IMT2013060), Siddartha Shekhar Padhai (IMT2013043)	First prize	Rs 25,000 Cash prize
Application (WaTBoT)	December 6	Team Ideal Mix DakshVarshneya (IMT2012012), Prerit Jain (Mt2012033), PawanDhananjay (IMT2012014), Amit Gupta (IMT2012003), Tanmayee Narendra (IMT2012046))	1st Runner up	Rs 1,00,000 Cash prize

6. Alumni connect continues to be strong with Mr. Udaya Hegde (Class of 2001) contribution helping Kumaresh Krishna (iM.Tech.) to pursue Summer Internship @ MIT Media Labs



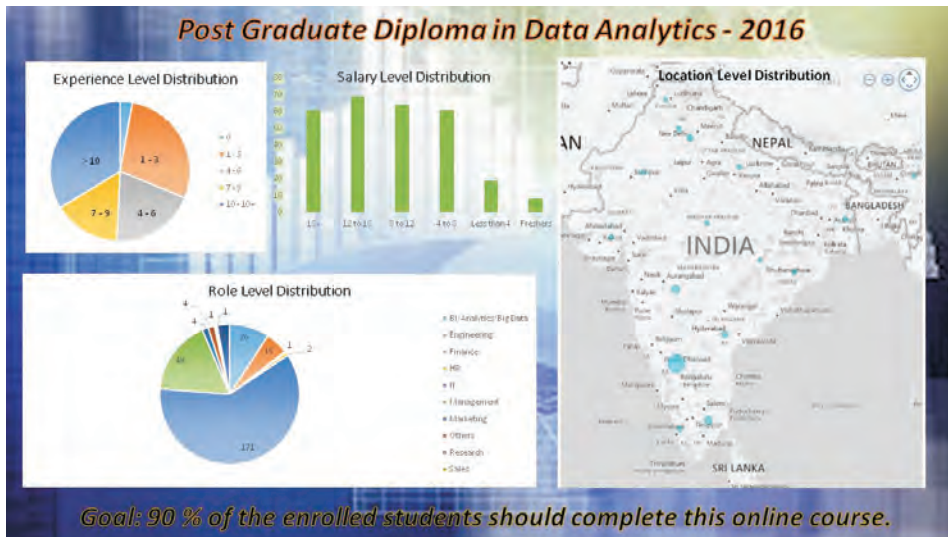
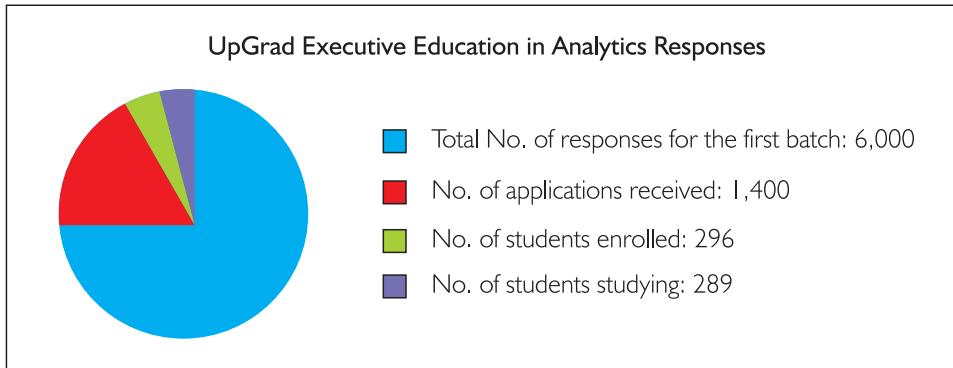
7. Faculty winning laurels by way of publications, research grants, conference program committee/ editorial board membership continue.

Faculty	37
Publications	52
Citation	835
DeitY Fellowship	2
IECE Fellowship	2

8. R&D funding continues to improve

Projects	2015 - 2016	Total
Numbers	14	29
Grants	Rs. 363 lakh	Rs. 1093L

9. E-Health Research Center (EHRC) has 14 faculty members and focuses on using information and communication technologies to meet the healthcare needs.
10. UpGrad Executive Education in Analytics launching 9 months long PGDDA with UpGrad partnership launched on May 31, 2016.



11. Launched BE (Hons.) Programme in December 2015 at Mandalay for 120 students with support of IIT-B faculty, as part of mentoring Myanmar Institute of Information Technology (MIIT).
12. Incubation / Acceleration continues to be strong with 17 companies being incubated and 2 accelerator programs conducted in 2015-16.
13. Bhaskara building has been made fully operational with 528 rooms (for men 455 single occupancy & 73 double occupancy) with a floor area of 2.15 Lakh Sq.ft., comprising food court that can cater 436 students at a time, two food kioks, Multi-purpose Hall and Gymnasium.

International Institute of Information Technology Bangalore, (IIITB) is promoted by the Karnataka government and the IT industry. IIIT-Bangalore attracts high quality students from all over India and abroad to its acclaimed iM.Tech. M.Tech., M.S. by Research and PhD programs. Along with a very distinguished faculty, they pursue research in a unique campus located in Electronic City, the heart of the IT Industry in Bangalore.

The major objectives of the Institute are to be a specialized centre for higher learning in IT, to promote Bengaluru as a global centre of Excellence in IT, to carry out R&D, both on its own account and also based on sponsorship from the Indian and global IT industry, to act as an interface between industry and the academic community, to co-create and commercialize Intellectual Property to train professionals from industry and government on advanced IT technologies. IIIT-B has been conferred the status of Deemed to be a University by the University Grants Commission under section 3 of the UGC Act in 2005 and is, therefore, empowered to award degrees. The Institute has also been accredited by the National Assessment and Accreditation Council with the highest grade of 'A'.

The best universities in the world share common traits - a) ability to attract talented faculty and students, b) open environment that fosters creativity, critical thinking and knowledge sharing and c) genuine commitment to make a lasting contribution to the broader society. At IIIT-B, these serve as guideposts in our pursuit of excellence in teaching, research and student development.

The curriculum here is designed to strike an appropriate balance between foundational elements and industry relevance. Teaching



methods at IIIT-B are continuously evolving with developments in technology and increasing access to information sources. The emphasis is on contextualization and enhancing students experience and not the mere delivery of content. The success of our internship and final placement programs year after year is a visible sign of the value that employers attach to IIIT-B students.

The Institute focuses on the generation of new ideas, building a deep understanding of technology, and teaches with skill and passion. The institute aims at inculcating skill, knowledge, team work, perseverance and self-confidence in its students.



The institute has a short but distinguished history of 17 years producing quality post-graduates every year. The 2000+ strong alumni occupy key positions in various corporations, delivering tremendous value to their organizations. The courses are designed with an eye on the requirements of the industry, and are kept flexible to accommodate any changes in the industry. Students from different technical and cultural backgrounds come together in the institute, realizing the potential of unity and team work. Immense support from the faculty members enables the students to stay on the path of scientific enquiry.

In addition to high quality publications, the students and faculty have produced several patents and novel projects.

State of the art technology infrastructure is available to all the



students in the various research laboratories in the institute.

The institute has an excellent library, through which the students have access to the latest developments in their fields.

The institute attracts a lot of visitors, and the list of distinguished visitors in its short history is a very long one.



The institute helps the students keep in touch with the pace of innovation and development in the industry by holding conferences and workshops at regular intervals.

The entrepreneurship cell of the institute is very active, and has incubated and supported several companies in the campus. These companies have since moved on to other successes, but have proved to be an excellent training ground for the students.



The local SPICMACAY chapter also conducts a yearly musical and dance festival, in which the students and various famed artists perform, delivering an enthralling evening of music and culture.

The students are also active in the community work around the college. A yearly blood donation camp is a regular feature at IITB where a large number of students donate blood.



The institute has a vibrant student exchange program with a number of universities including MIT, City University of Berlin, Hoff University, University of Nottingham and Southampton University.

IITB is the mentor institute for setting up of Myanmar Institute of Information Technology(MIIT) at Mandalay. This is being done as part of the MEA Development Partnership Project with Govt. of Myanmar. As part of the project, IITB is expected to help set up and manage MIIT for the first 5 years.



MIIT currently offers a Post Graduate Diploma in Software Development, a 9 month program designed to get the graduate students, IT industry ready. The first batch of the program was started in Oct 2015 with a strength of 60 students. MIIT also has a B.E(Hons) program, launched on 15th December 2015 with a batch strength of 120 students.



IITB is helping with the procurement process to ensure world class infrastructure is set up at MIIT on the same lines (if not better) than what is there for top class institutions at India.



IIT-B actively encourages the pursuit of entrepreneurial ventures. The IIT-B Innovation Centre, a section 8 Company under the Companies Act (2013) provides incubation facilities and seed funding for promising ideas that could have the significant social impact or economic value. The entrepreneurship cell of the institute is very active and has incubated and supported around 40 companies in the campus. These companies have since moved on to other successes but have proved to be an excellent training ground for the students.



infrastructure





ACADEMIC BLOCKS



IIIT-B Academic Block that houses reception, administration office, Director's office, library, research labs and faculty offices.



Night view of IIIIT-B Academic Block, which is the main building of the institute.

LIBRARY



IIIT-B's Infosys library that has exponential numbers of Audio/Video CDs/ DVDs and sub subscription of a large number of Print Journal and Magazines



IIIT-B's Infosys library has subscription of thousands of e-journals including ACM, IEEE, JSTOR & MAA. IIIT-B library is also an Institutional Member of IIM Bangalore and British Council Library Bangalore (borrowing and reference facilities are available)



IIIT-B Infosys library also has an ergonomic seating arrangement and internet facilities. It remains open from Monday to Friday 9am to 7pm and on Saturday 9am to 5pm



There is an Open Access to library print collection, OPAC facility, Circulation, Current Awareness Services, Reference & Referral Services, Scanning and Printing facilities, Newspaper clipping, Membership facility for external users

WOMEN'S ACCOMMODATION



Lilavati Block for the Women's Comfort.



Women's Hostel - Lilavati

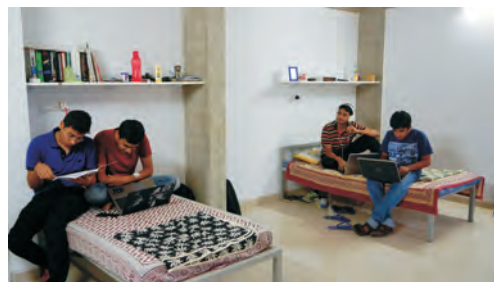
MEN'S ACCOMMODATION



A view of single-seater men's hostel



A view of double-seater men hostel



Bhaskara Men's hostel in IIIT-B

CANTEEN



IIIT-B Food Court-Menu is decided by Student Food committee



To maintain the quality of food, we make sure same food is consumed by students, director, visitors & other staff members

EXTRA CURRICULAR ACTIVITIES



It is mandatory for first year students to attend PT classes



IIIT-B sports zone



IIIT-B Gym



IIIT-B Volley ball Court



IIIT-B Basketball Court

CAMPUS



We support nature and thus have a beautiful pond within our campus



Carrom Board at the lawns



Learner friendly environment



The first thing that you see after entering IIT-B main building is the statue of Goddess Saraswati



Lush green environment.

DATA CENTRE



Date Centre

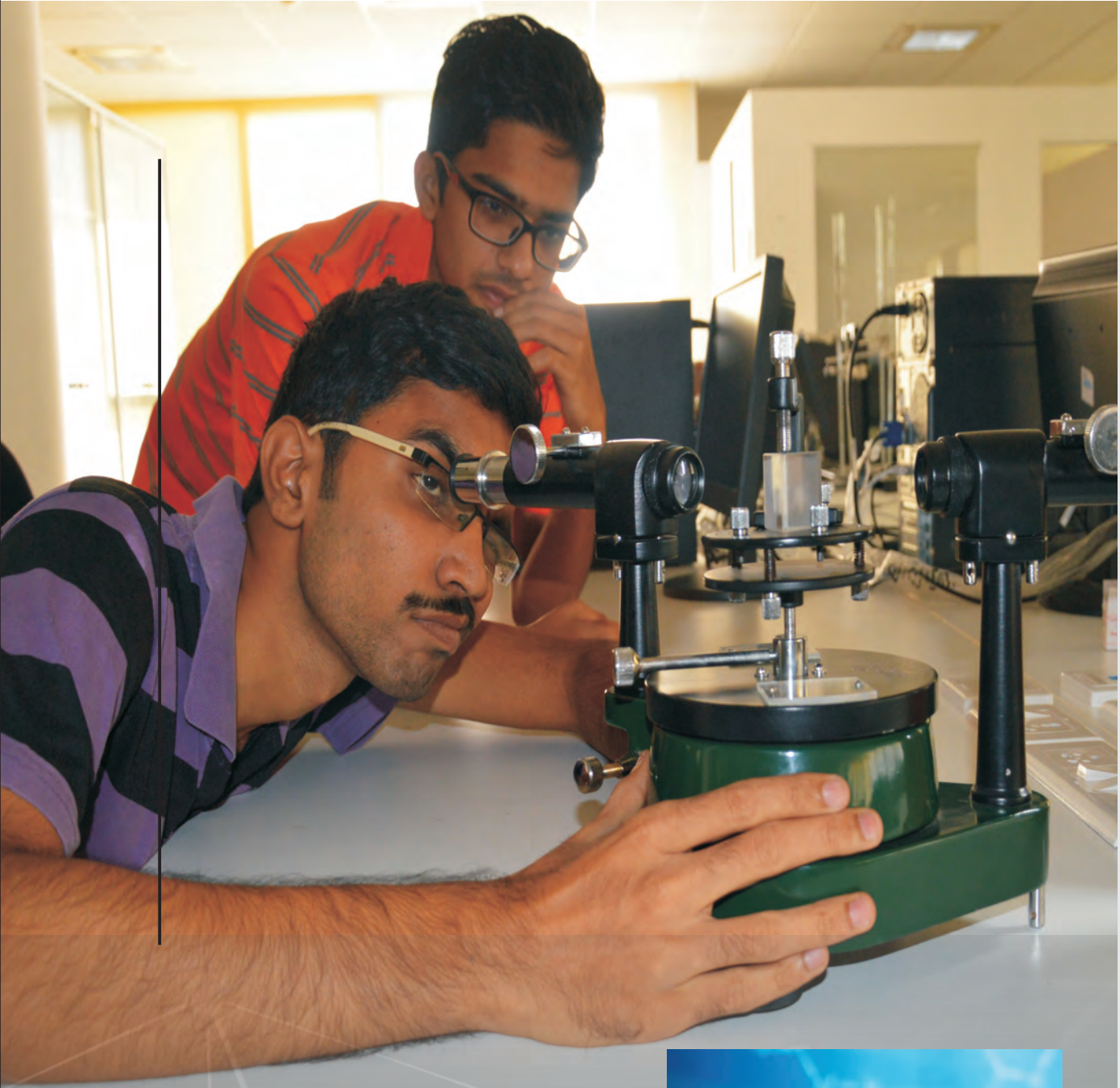
INNOVATION CENTRE



Innovation Centre



Learner friendly classrooms



Labs & Research Areas

LABS @ IIIT-B

COMPUTER SCIENCE

A major theme of the cryptographic research at IIIT-B is to secure distributed computing, with emphasis on secure multi-party computation (MPC) and verifiable computation, both at the theoretical as well as applied level. The focus of work in Computational Topology at IIIT-B is towards using topological methods for improving visual representation and information extraction from scientific datasets.

FACULTY INVOLVED:

Prof. Amit Chattopadhyay,
 Prof. Ashish Choudhury,
 Prof. Meenakshi D'Souza,
 Prof. V. N. Muralidhara,
 Prof. G. N. S. Prasanna,
 Prof. Sachit Rao,
 Prof. Shrisha Rao,
 Prof. G. Srinivasaraghavan.

Computational Sciences Laboratory

(Prof. G. N. S. Prasanna)

CSL at IIIT-B is interested broadly in the areas of Algorithms, Optimization, and Robotics. The major focus areas include:

A) Robust optimization under uncertainty, with applications to supply chains, real time search, banking, smart grid, transportation, gaming and allied areas. This work couples algorithms with information theory.

B) Approximation algorithms, machine learning, cryptography and linguistics.

C) Novel robot skeletons using generalized mechanisms, incorporating magnetics distributed throughout.

D) Algebraic number theory.

E) Electronic design automation including statistical timing analysis and optimization for digital circuits, power analysis and optimization and formal verification, semiconductor manufacturing, statistical optimization, combinatorial optimization, and design and analysis of algorithms.

F) Visualization (scientific and information), high-performance computing, computational geometry and topology.

G) Others, such as, various aspects of power line communication for AMR over low voltage power lines, which include channel modeling, transceiver design and MAC layer design.

DATA SCIENCES

The Data Sciences research domain focuses on all aspects of data management, processing, modeling, and information retrieval. The current areas of interest include: Database Design, Information Retrieval, Network Analysis, Mining Latent Semantics, Data Mining and Data Warehousing, Knowledge Representation and Reasoning, Linked Data and Semantic Web, NoSQL Databases, Stream Data Management, Multimedia Management using Control Theory, Analytics, Graphics & Visualization, and GPU Computing, Applied Machine Learning, Computational Social Sciences, Computational Topology.

FACULTY INVOLVED:

Prof. Amit Chattopadhyay,
 Prof. Chandrashekar Ramanathan,
 Prof. Dinesh Babu Jayagopi,
 Prof. Jaya Sreevalsan Nair,
 Prof. Sachit Rao,
 Prof. Srinath Srinivasa,
 Prof. G. Srinivasaraghavan,
 Prof. T. K. Srikanth.

Centre for Data Sciences

The Center for Data Sciences is a formal conglomeration of all the labs under the Data Sciences research domain, which takes care of overall activities at a higher hierarchical level of operation. This involves pooling in resources, conducting biannual student workshops, etc.

Document Engineering Lab

(Prof. Chandrashekar Ramanathan)

Documents still constitute a significant content type in the enterprise today. Document Engineering deals with developing algorithms, techniques, tools and processes that help in creating and manipulating the content, format, and representation of documents. There are several challenges being addressed as part of Document Engineering. The DocEng lab explores the various standards and tools available in this space. Following are some of the projects from the Lab:

A) Pralekhasaara (for interactive content chunking and assembling).

B) ORCA (Online Repository for Content Assembly).

C) DocuBhasha (translation of documents, supported by Microsoft Research)

Graphics-Computing-Visualization Laboratory

(Prof. Jaya Sreevalsan Nair)

The Graphics-Computing-Visualization Laboratory (GVCL) at IIIT Bangalore works in the broad areas of graphics, visualization, and scientific computing. The GVCL is currently involved in projects related to three-dimensional visualization of LiDAR data, analytics work-flow visualization, small-world-network visualization, volume visualization, and GPU computing. The lab

is funded by various projects from government agencies and the industry, namely, DST, Nvidia and EMC.

Information Convergence Lab (Prof. Chandrashekar Ramanathan)

The revolution of mobile phones made media convergence possible. Today we don't need separate devices for talking on the phone, listening to music, watching videos, surfing the Internet, reading/sending e-mails. Information convergence is a similar concept that is focused on interoperability of information scattered across multiple dimensions and multiple sources and destinations. The focus of the Information Convergence Lab (I-COG Lab) is to first identify and define various information convergence challenges that are relevant to the real world. The current focus of the lab is to start with a study of information convergence challenges specifically targeted at large enterprises and the government. Based on this understanding of the needs and contexts of information convergence, the lab will specify reusable frameworks that address these challenges in a unified and integrated environment. The focus would be to develop standards-based solutions that can be applied widely.

Multimodal Perception Lab (Prof. Dinesh Babu Jayagopi)

The Multimodal Perception lab focuses on human-centered sensing and multimodal signal processing methods to observe, measure, and model human behavior. These methods are used in applications that facilitate behavioral training, and social media analysis; and enable human-robot interactions (HRI). The focus is mainly on vision and audio modalities. Probabilistic graphical models form the backbone of the underlying formalism. □

Web Sciences Lab (Prof. Srinath Srinivasa)

The Web Sciences Lab (WSL) at IIT-B is focused on understanding the web in all its aspects. Research interests of the WSL include enabling technologies for the web, web-scale data management, web mining, network analysis and socio-cognitive models of web dynamics.

ELECTRONIC SYSTEM DESIGN

The Electronic Systems Design domain encompasses a broad range of topics covering several aspects of both, digital and analog hardware systems, implemented using FPGAs

and custom fabricated VLSI circuits, design methodologies around EDA flows, verification and validation, and system prototyping; realization of real time embedded systems where both the hardware and the software components are treated agnostically based on end system requirements; embedded implementation of feedback control using variegated sensors. Emphasis is also placed on emerging technologies based on Micro and Nano-electro mechanical devices – fabrication of 2D/3D structures, characterization and system applications.

FACULTY INVOLVED:

Prof. Chetan Parikh,
Prof. Madhav Rao,
Prof. Sachit Rao,
Prof. Srinath Naidu,
Prof. Subajit Sen,
Prof. Subir K. Roy.

Research areas

Research in Electronic System Design is in the two broad areas of A) System-on-Chip (SoC) and VLSI design and fabrication, and B) Embedded System Design. More specifically, it (currently) encompasses the following areas:

Electronic design automation including statistical timing analysis and optimisation for digital circuits, power analysis and optimization and formal verification. (Prof. Srinath Naidu)
Analog and mixed-signal circuit and system design, with special emphases in energy harvesting and power management for IoT devices, embedded-systems for biomedical applications, and organic thin-film transistor circuits on flexible substrates. (Prof. Chetan D. Parikh and Prof. Subhajit Sen)

3D antenna designing, modeling of CNT as interconnects, and magnetic logic device (Prof. Madhav Rao)

Formal Verification (Hardware & Hybrid System – Analog Mixed Signal), Power Estimation, Performance Analysis, CAD for VLSI and Embedded Systems. (Prof. Subir K. Roy)

Labs

Two laboratories support the above research work:

Center for Electronics and Embedded Systems (CEEMS) Lab

The CEEMS Lab is a multi-disciplinary lab that supports research and education in Embedded hardware and computing, wireless communication and computer vision.

Facilities in the lab include spectrum analyzer, signal analyzer, vector signal generator, controller, processor and sensor boards; and softwares including Code Composer Studio, Real View Development Suite, National Instrument Labview, Lego Mindstorms Education Nxt software, Xilinx I3.0, etc Students have 24 hours biometric access to the lab.

CEEMS lab is funded by the Government of Karnataka.

High Density Electronics System (HIDES) Lab

The lab is used extensively to carry out high-end research as well as to support undergraduate and post-graduate teaching.

The lab has Intel and Arduino controller boards; an ABB commercial robot; a Firebird V robotic kit; Agilent Parametric Analyzer; Cascode DC Probe station; Carl Zeiss High resolution optical microscope; Makerbot 3D Printer; Wet lab for wet etching, copper plating, and dip soldering; Thermal and Electron beam evaporator; and high end oscilloscopes, function generators and power supplies.

Electronic system design manufacturing lab (ESDM)

The lab has a variety of software suites, including: IC nanometer Design suite, VLSI Design, Verification and Test suite, PCB Expedition suite and Mechanical Analysis suite from Mentor Graphics; Cadence VLSI Design suite, Ansys HFSS, National Instruments Multisim, etc.

INFORMATION TECHNOLOGY & SOCIETY (ITS)

The Information Technology and Society research domain at IIT-B is broadly concerned with the social role of information and communications technologies (ICTs) with a focus on the policy challenges and the institutional demands posed by technological change. Teaching and research in the stream focuses on three inter-related areas. First, it seeks to understand innovation and the organization of production in the ICT industry, or how, why and where ICTs are produced. A second area of interest is in how ICTs can be used to harness the legitimacy and the powers of bureaucracies and markets to address needs in different social domains. Of special interest are the domains of governance, education, health and manufacturing. A third area is the tools and analytical techniques that can be deployed to understand the production and consumption of ICTs. These include geographical information systems, modeling, simulation and visualization. The domain encourages inter-disciplinary research and has associated faculty members with expertise in social sciences, including in economics, economic geography, sociology, development, management, governance and public administration.

FACULTY INVOLVED:

Prof. Amit Prakash,
Prof. Balaji Parthasarathy,
Prof. Bidisha Chaudhari,
Prof. Janaki Srinivasan,
Prof. Preeti Mudliar,
Prof. S. Rajagopalan,
Prof. V. Sridhar,
Prof. Vinod Vyasalu.

Center for Information Technology and Public Policy

The Center for Information Technology and Public Policy (CITAPP) at IIT-B focuses on the policy challenges and the organizational demands made by technological innovation. The Center is interested in interactions between technology and society and is particularly concerned with how technological advances, along with institutional changes, address the needs of under-served communities. It seeks to provide a means to nurture and transform public policy through the use of IT by engaging with academic faculty and researchers, policy planners, political leaders and community representatives, technology vendors, public officials and civil society organizations. The Center brings together best-practices demonstrating the power of IT and analytical tools for information management, modelling, and forecasting. It engages in research and evaluation studies of topics where IT and public interest intersect.

Center for Spatial Information Sciences (Prof. S Rajagopalan)

The Center for Spatial Information Sciences (CSIS) at IIT Bangalore was established in October 2006. The centre carries out basic and applied research in Geographic Information Sciences Domain, like Geographic Information Retrieval. GIR can be considered as a specialization of Information Retrieval, it takes into account the spatial and Object Oriented Spatial Databases; Geographic Ontology- the study of geographic objects and the relationship between them and sensor maps.

MATHEMATICS & BASIC SCIENCES (MBS)

The research at IIT-B in Chemistry, Mathematics and Physics is as follows:

In CHEMISTRY, the research at IIT-B primarily is in the area of electronic structure calculations. Particularly, weak interactions (π - π , CH- π etc.) present in various systems (small model systems, protein-ligand systems, DNA bases, nanotubes etc.) are investigated using quantum chemical methods (HF, MP2, CCSD(T) & DFT). Additionally, the work entails unravelling the role of such weak interactions in the field of drug-design, polymers, nano-devices and in new materials. Some of the recent research works show that π - π and CH- π interactions are invariably present in the crystal structures of bio-molecules and play important role in their structure as well as functions.

FACULTY INVOLVED:

Prof. Brijesh Kumar Mishra.

Research in MATHEMATICS is principally in the area of Number Theory; in particular, Algebraic Number Theory, Galois

Representations, Modular Forms, Iwasawa Theory, Diophantine Equations, Galois Module structure and Elliptic curves. Research is also conducted in the fields of Algebraic Complexity Theory and Cryptography. The following two problems are representative of the mathematics research in IIIT-B: Let E be an elliptic curve over number field K . For every prime P where E has good reduction at P , we get one imaginary quadratic field associated to E . We are trying to see if we can get all imaginary quadratic fields by this procedure?

FACULTY INVOLVED:

Prof. Manisha Kulkarni.

In PHYSICS, there are two sub-domains of research focus at IIIT-B: (a) One sub-domain of research focus is on soft condensed matter physics, complex systems & dynamical systems theory, instabilities & synchronization in nonlinear systems (both physical and biological), and macromolecular systems. Topics include bubble dynamics & cavitation, vesicular nanotubulation, polyelectrolytic solutions, combustion, phase transitions in computationally hard problems, models of sensory systems, precipitation phenomena, etc.; (b) The other sub-domain of physics research is in computational fluid mechanics, especially simulations & modeling of hydrodynamic and magnetohydrodynamic turbulent flows, reduced resistive MHD simulations, low resolution simulations of 3D-HD and MHD turbulent flows including rotation & helical forcing and 3D-anelastic HD and MHD code.

FACULTY INVOLVED:

Prof. Balakrishnan Ashok,
Prof. Shiva Kumar Malapaka.

NETWORKING, COMMUNICATION & SIGNAL PROCESSING (NCSP)

The Networking, Communication and Signal Processing research domain focuses on all aspects of networking, communications, and signal processing. The current topics of interest are: Computer networks, Network security, Wireless communication, Signal processing, Medical signal processing, Computer vision, Control of unmanned systems using image processing and computer vision.

FACULTY INVOLVED:

Prof. Debabrata Das,
Prof. Dinesh Babu Jayagopi,
Prof. Jyotsna Bapat,

Prof. Neelam Sinha,
Prof. Sachit Rao,
Prof. Tricha Anjali.

**Networking and Communication Lab (NCL)
(Prof. Debabrata Das)**

NCL's main focus of research areas are Medium Access Control (MAC) protocols for broadband wireless network, IoT (in particular, Energy saving of 4G-A, 5G, QoS), Cognitive Radio, Transport Layer Security, SDN in Access Network. This Lab has received R&D projects from Hewlett Packard, Motorola Research, Intel, Microsoft, Tata Power SED, Honeywell, Nokia and Cognizant. It has also received multiple R&D project from Department of Electronics and Information Technology (DeitY), Govt. of India. For detail please click on NCL name above.
www.IIIT-B.ac.in/ncl

**Mobile Computing and IMS Innovation Lab
(Prof. Debabrata Das)**

In this lab the projects are sponsored by HP and Nokia. The R&D focus on video and audio streaming including handheld devices, as also Video Media Platform, Charging, Service Delivery in IMS using Application Servers, XDMS, HSS and Presence servers. Moreover, this lab addresses issues related to quality of service modeling in IMS architecture with respect to differential traffic.

Multimodal Perception Lab

(Prof. Dinesh Babu Jayagopi)

The Multimodal Perception lab focuses on human-centered sensing and multimodal signal processing methods to observe, measure, and model human behavior. These methods are used in applications that facilitate behavioral training, and social media analysis; and enable human-robot interactions (HRI). The focus is mainly on vision and audio modalities. Probabilistic graphical models from the backbone of the underlying formalism.

Wireless Sensor Network (WSN) Lab

(Prof. Jyotsna Bapat)

Machine to machine (M2M) communication is going to be one of the major areas of R&D in networking and communication specialization. M2M faces multiple challenges and some of the major issues related to efficient communication between sensors, protocols, power saving in sensor, etc. In IIIT-B we have a WSN lab which supports multiple R&D projects on sensor networks. This lab has been sponsored by Govt. of Karnataka for development in embedded systems.

SOFTWARE ENGINEERING (SE)

Software engineering (SE) brings together interesting avenues of both fundamental and applied research contributing to the broad spectrum of activities involved in the creation of large, complex, industrial strength software systems having high quality, dependability and within reasonable resources. The current research covers a wide variety of areas ranging from empirical to formal aspects of SE. At IIIT-B, the research in SE covers both

upstream (requirement and design) and downstream (testing and maintenance) SDLC activities cutting across a variety of application domains (enterprise, embedded etc). Here is a list of some of the broad areas in which our faculty members are working: Pattern oriented software engineering, software architecture, distributed software engineering, model driven software engineering (MDSE), software testing, verification and validation (V&V) of web-services and V&V of embedded software (cyber-physical systems and adaptive systems) among others.

FACULTY INVOLVED:

Prof. Chandrashekar Ramanathan,
 Prof. K. V. Dinesha,
 Prof. L. T. Jayprakash,
 Prof. Meenakshi D Souza,
 Prof. Sujit Kumar Chakrabarti.

Software Design Laboratory

(Prof. K. V. Dinesha)

The research focus here is on the design and architecture of software. Design patterns approach for the software development process is studied, with special emphasis on the impacts of design principals and patterns on the flexibility as one of the prime focus.

Software Engineering Laboratory

(Prof. Meenakshi D' Souza, Sujit Kumar Chakrabarti, S. Ramesh (adjunct faculty member))

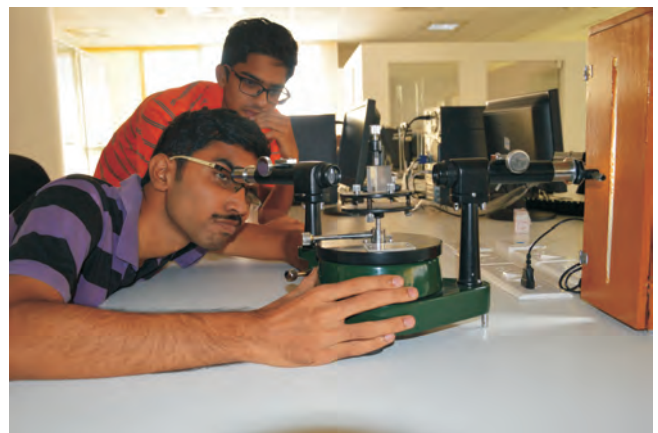
Primary research focus of SE lab at IIT-B is on formal aspects of software engineering. Current projects that we are working on involve:

- architecture analysis, testing, verification and program analysis for embedded software,
- verification and validation of web software, &
- software testing

The aim of the lab is to expand the scope to include all aspects of software engineering, from requirements and design to testing and verification. Software specification and programming languages are two areas under consideration for exploring



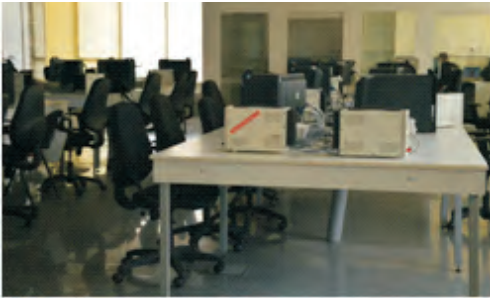
ABB Robots in HiDES lab



Physics practical lab in HiDES lab



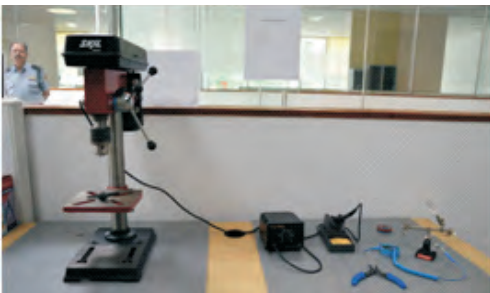
Basic Electronics in HiDES Lab



Students work area in HiDES lab



Students experimenting in HiDES Lab



Soldering work bench in CEEMS Lab



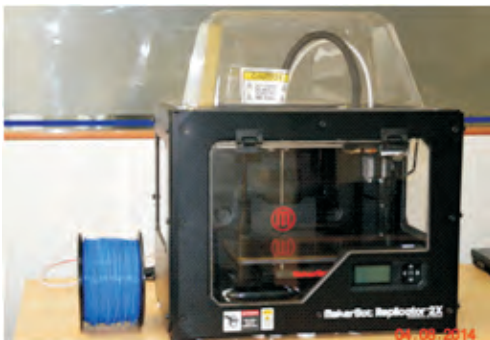
Prototype testing in CEEMS lab using high-end instruments



Students Research Area in CEEMS Lab



Characteristics Analyser in ESDM Lab



3D-printer in ESDM lab



- Integrated M.Tech
- M.Tech (IT)
- M.Tech (ESD)
- M.Sc. (Digital Society)
- Master of Science by Research
- Doctor of Philosophy
- Executive Education
(Samsung / Analytics Essentials)



INTRODUCTION: COURSE OFFERED

The Institute is a post graduate school, and offers no undergraduate degree programs.

The Institute is an exclusive post graduate school that offers programs that lead to post-graduate degrees. The graduate study programs offered lead to course-oriented, namely the Integrated Master of Technology (Integrated M.Tech.), and the Master of Technology (M.Tech.) in Information Technology and Electronic Systems Design, and (b) research oriented, namely, the Master of Science by Research / Master of Science (Digital Society) and the Doctor of Philosophy (Ph.D.). These programs offer training that is comparable to the best anywhere and cater to different needs. The course-based degree programs are full-time resident programs that offer the students a comprehensive learning in an area of specialization. The research degree programs, which may be undertaken as a full-time or a part-time registration, train the students to undertake quality research work in a specific research domain. The course-based degree programs have a fixed timeline whereas the research degree programs are student-paced. Working professionals employed as research scientists/engineers at reputed organizations or government agencies are encouraged to pursue part-time research degree programs.

INTEGRATED M.TECH

IIT-B introduced Integrated M.Tech. program in 2012. Integrated M.Tech. (iM.Tech) Programme is a five-year full time programme intended for students who have passed or are appearing for Senior Secondary (Plus Two) examination with Mathematics or equivalent subject. At the end of five years of the program, successful students get B.Tech and M.Tech. degrees. (The B.Tech. degree will be issued subject to pending clarification on UGC notification regarding the matter of award of two degrees at the time of graduation. The said UGC notification is applicable to all Integrated Masters programmes across India for 2015 admissions). From the academic year 2015-16 onwards, separate admissions are being done in two branches: Computer Science and Engineering (CSE) and Electronics and Communication Engineering (ECE).

The total number of credits required to full requirements of the program is 204. The course curriculum includes courses that are mandatory for all the students ("core") as well courses that they can choose depending upon their area of interest ("elective"). There will be two streams which will be an umbrella of focus areas. Following are the streams with their focus areas:

CSIS (Computer Science and Information Systems) stream

- Computer Science,
- Database and Information Systems,
- Information Technology and Society,
- Software Engineering.



E & CE (Electronics & Communication Engineering) stream

- Embedded System Design,
- Information Technology and Society,
- Networking and Communication Systems,
- Signal Processing.

M.Tech (IT)

M.Tech degree in Information Technology (IT) is intended to provide education for students who wish to work in the IT industry as practitioners. It is awarded upon successful completion of a 4-semester broad-based academic program in IT, going beyond, but incorporating essential elements of, traditional computer science. Apart from imparting technical knowledge, the program teaches managerial and other cognate skills that are essential for a successful career in today's competitive IT industry. All students enrolled in the M.Tech program are residential, full-time students.

Course Structure

The M.Tech. program is a four semester program. The first three semesters of the program constitute academic course work. During the fourth semester, a student can either take up an industry internship or academic research at the institute leading to a thesis.

The M.Tech. program also includes a unique 3-week period during the beginning of the program called "Preparatory Semester." The preparatory semester is intended to give uniform background to all the students irrespective of their technical background. This semester covers introductory programming covering C and Java programming. After the 3-week preparatory term, the first semester of the M.Tech. program consists entirely of required "core" courses.

These teach the new student the common foundational elements required, such as advanced programming principles, mathematical background, algorithms, digital signal processing, databases, fundamentals of software engineering and networking. The second semester builds on this foundation with elective courses. The student now has the freedom to begin specializing in one of several areas such as:

- Computer Science
- Data Sciences
- Networking & Communication and Embedded Systems
- Software Engineering

Across the second and third semesters, the students take at least five elective courses in their area of specialization and an additional three open elective courses (some of which may include research and other individual or group projects supervised by a faculty member). The final semester is designated for industry internship, or the writing and defense of a research thesis.

M.Tech (ESD)

IIT-B started a new M.Tech. program in 2014 offering degree in Electronic Systems Design (ESD). The genesis of this program is to help address the growth of the highly skilled manpower in Chip Design and Embedded System Design needed to support electronics system design and manufacturing (ESDM) in our country, in alignment with the national and state



M.Tech (IT)



M.Tech (ESD)

policies to foster growth and entrepreneurship in ESDM as outlined by the Department of Electronics and Information Technology (DIETY) of the Government of India, and the Government of Karnataka, respectively.

One emerging area where such skilled manpower will be needed in large numbers is in the domain of Internet of Things (IoT) which is fostering a rapid revolution in different domains such as industrial automation, e-health, mobile communication, smart homes, automotives, space, aviation, railways, agriculture, logistics, consumer electronics, pervasive computing, computer architecture and ambient intelligence.

The M. Tech. program in ESD is envisaged to meet the above objectives.

SPECIALIZATIONS

The 2-year degree program allows students to specialize in two possible areas:

1. Embedded System Design :

This specialization focuses on imparting general principles of designing platform agnostic embedded systems. This includes hardware design, software design, hardware-software co-design and co-synthesis of embedded systems, model based design and synthesis approaches to realizing embedded systems using COTS devices, FPGAs, ASICs and SOCs targeting applications in the diverse areas listed above. Students specializing in this area can draw upon elective courses spanning different areas such as, peripheral devices, device drivers, interfacing, real-time operating systems, digital, image and video signal processing, computer networks, communication networks, robotics, automotives, software validation and testing etc.

2. System on Chip (SoC) Design:

This specialization focuses on realizing complex embedded systems on a single silicon chip which integrate not only the core digital functionality, but also the analog mixed signal functionalities – an approach warranted when the end applications need embedded systems in millions, such as, smart-phones and point of care diagnostic devices to cite a few. Design approaches to realizing SoCs, while based on the traditional linear and sequential VLSI design flow, differs from it substantially - with 70-80% legacy IPs (soft, hardened, in-house, third party IPs) being integrated with 30-20% new IPs to realize them. For SoCs, front-end RTL design, gate level netlist design, backend physical design, I/O design, test and DFT integration, verification, middleware, firmware and application software development happen, more or less, concurrently to reduce design turnaround time. This difference in design flow is emphasized and highlighted in several elective courses. Core and elective courses impart general principles of designing complex digital and analog VLSI circuits and systems. Physics of semiconductor devices, VLSI sub-system design, high-level synthesis, functional verification, formal verification, hardware emulation, testing and design for testability, circuit simulation, deep submicron design, low power design, design optimization, are some of the electives offered in this specialization.

Apart from imparting technical knowledge, the program teaches managerial and other cognate skills that are essential for a successful career in today's electronics industry. All students enrolled in the M.Tech program are residential, full-time students.)

M.Sc. (Digital Society)

Recognizing the socio-economic potential of Information and Communications Technologies (ICTs), and the increasing need to train professionals in harnessing this potential, IIIT-B has started a unique and innovative two-year M.Sc. (Digital Society) programme from 2015 onwards.

M.Sc. (Digital Society) program at IIT-B prepares students who have an astute understanding of the digital ecosystem. In the Information Age, digital technologies have opened up immense possibilities for economic and social change that is inclusive and sustainable. Designing and deploying digital technologies, analyzing human-computer interaction or big data entail not just technological expertise but also a nuanced understanding of the social, cultural, and economic aspects of the digital society.

Students of the program will gain insights into the design of digital technologies, and the policy challenges of deploying such technologies, with a broad-based training that will draw from computer science, engineering, research methods, management, economics and other social sciences, which will equip them with a rigorous understanding of technologies for development and the development of technologies.

CAREER OPPORTUNITIES:

The programme is designed to create a group of professionals who will:

- Contribute to the design, development and deployment of digital technologies for diverse social groups;
- Provide and manage solutions that address persistent developmental challenges in domains such as education, governance, and health;
- Engage in policy making and in advocacy for deploying digital technologies; and
- Enrich interdisciplinary research on the digital society.

EXECUTIVE EDUCATION

IIT-B has following Continuing Professional Education Programmes:

- Certificate Course in Analytics Essentials.
- Dedicated M.Tech Programme for Samsung Employees.
- Post Graduate Diploma in Data Analytics.
- Professional Certificate Course in Software Testing.

Master of Science by Research / Doctor of Philosophy

International Institute of Information Technology Bangalore (IIT-B) invites applications for its research degree programs, namely, Doctor of Philosophy and Master of Science by Research/ Master of Science (Research) programs, for admissions in JULY of 2016. Both programs have full-time as well as part-time registration options. The students admitted to these programs will be referred to as research scholars.

The funding for the fellowships for Ph.D. students will be from government agencies (the specifics will be notified by March 15, 2016), COPAS project (DeitY), and industry-sponsored fellowships from ABB and others (Funding sources updated on March 01, 2016). The funding for fellowships for Master of Science by Research will be from various sponsored projects.

Research Domains

At IIT-B, there are seven research domains, which have openings for both the degrees programmes, except for Mathematics & Basic Sciences, which have openings exclusively for the Doctor of Philosophy Programme.



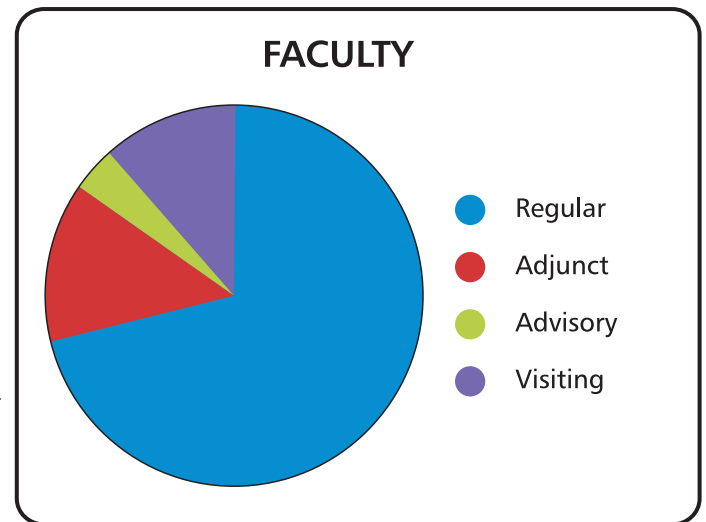
M.Sc (Digital Society)



faculty

REGULAR FACULTY

Name	Rank
Amit Chattopadhyay	Assistant Professor
Amit Prakash	Associate Professor
Ashish Choudhury	Assistant Professor
Balaji Parthasarathy	Professor and Dean Faculty
Balakrishnan Ashok	Associate Professor
Bidisha Chaudhuri	Assistant Professor
Brijesh Kumar Mishra	Assistant Professor
Chandrashekar Ramanathan	Professor and Associate Dean
Chetan Parikh	Professor
Debabrata Das	Professor and Dean Academics and R&D
Dinesh Babu Jayagopi	Assistant Professor
G N Srinivasa Prasanna	Professor
G Srinivasaraghavan	Professor
Janaki Srinivasan	Assistant Professor
Jaya Sreevalsan Nair	Assistant Professor
Jayprakash T Lalchandani	Assistant Professor
Jyotsna Bapat	Professor
K V Dinesha	Professor
Madhav Rao	Assistant Professor
Manisha Kulkarni	Associate Professor
Meenakshi D'Souza	Associate Professor
Neelam Sinha	Assistant Professor
Pradeesha Ashok	Assistant Professor
Preeti Mudliar	Assistant Professor
S Rajagopalan	Professor
S Sadagopan	Professor and Director
Sachit Rao	Assistant Professor
Shiva Kumar Malapaka	Assistant Professor
Shrisha Rao	Professor
Srinath R Naidu	Assistant Professor
Srinath Srinivasa	Professor
Subajit Sen	Associate Professor
Subir Kumar Roy	Professor
Sujit Kumar Chakrabarti	Assistant Professor
T K Srikanth	Professor
Tricha Anjali	Associate Professor
V N Muralidhara	Associate Professor
Varadarajan Sridhar	Professor



ADVISORY FACULTY

Prabhu SS
 Vinod Vyasulu
 Usha Rani Vyasulu Reddy

VISITING FACULTY

Anand J Bariya
 Balwant Godara
 K R V Raja Subramanian
 P G Poonacha
 Radha M Parikh
 Roland E Haas
 Samar Shailendra

ADJUNCT FACULTY

Anantha Rangan
 Joy Prabhakar
 Muralidhar Koteswar
 Ramesh Sundararaman
 S Chandramouleeswaran
 S Nagarajan
 SV Subramanian
 Tridib Roy Chowdhury
 Valsala Rajan

REGULAR FACULTY



1. **Amit Chattopadhyay**
Assistant Professor

Dr. Chattopadhyay earned his Ph.D. from Johann Bernoulli Institute of Mathematics and Computer Science, University of Groningen, the Netherlands. His professional interests include Computational Topology, Geometric Computation, Scientific Visualization and Graphics, Optimization and Level Set Method.



2. **Amit Prakash**
Associate Professor and Convener,
Centre for IT and Public Policy

Dr. Prakash earned his Ph.D. from Indian Institute of Management Bangalore. His professional interests include Information Systems and Public Policy, particularly where they intersect with Development Sectors such as Public Health & Nutrition, Education & Skill Development and Sustainable Livelihoods.



3. **Ashish Choudhury**
Assistant Professor & Infosys Career Development Chair

Dr. Choudhury has completed his Ph.D. from Indian Institute of Technology, Madras. His professional interests include cryptographic protocols for real-world problems and secure distributed computing and all areas of theoretical computer science.



4. **Balaji Parthasarathy**
Professor & Dean (Faculty)

Dr. Parthasarathy earned his Ph.D. from the University of California, Berkeley. His professional interests include the social and spatial impacts of technological innovation and economic globalization.



5. **Balakrishnan Ashok**
Associate Professor

Dr. Ashok earned his Ph.D., University of Massachusetts, Amherst. His professional interests includes Theoretical soft condensed matter physics & polymer physics, biomechanics & biology-motivated nonlinear dynamics problems, complex systems and dynamical systems theory, bubble dynamics & acoustic cavitation, modelling climate phenomena and modelling instabilities in combustion phenomena. Problems worked on include locating phase transitions in computationally hard problems, dynamics of vesicular nanotubulation, neuronal dynamics, modelling of climate phenomena, dynamics of macromolecular & micellar solutions, Brownian dynamics simulations of polymer solutions in flows, morphology control of block copolymers by electric fields, dynamics of acoustically forced charged bubbles, etc.



6. **Bidisha Chaudhuri**
Assistant Professor

Dr. Chaudhuri earned her PhD from South Asia Institute, Heidelberg University, Germany. Her professional interests include e-governance, public policy reform, ICT for development, gender and development, and South Asian politics.



7. **Brijesh Kumar Mishra**
Assistant professor

Dr. Mishra earned his Ph.D. from Indian Institute of Technology Kanpur. His professional interests include Quantum Chemistry, Electronic structure calculations, weak interactions in various systems.

REGULAR FACULTY



8. Chandrashekar Ramanathan
Professor, Associate Dean (Academics)

Dr. Ramanathan earned his PhD from Mississippi State University, USA. His professional interests include Data Sciences, Software Architecture, and Technology for Education.



9. Chetan Parikh
Professor

Dr. Parikh earned his Ph.D. from University of Florida, Gainesville. His professional interests include Analog and mixed-signal circuit design, innovative pedagogies for engineering education, and teaching ethics to college students.



10. Debabrata Das
Professor & Dean (Academics and R&D)

Dr. Das earned his Ph.D. from Indian Institute of Technology, Kharagpur. His professional interests include Wireless Access Network's MAC, QoS, Power saving and IP Multi-media Subsystems.



11. Dinesh Babu Jayagopi
Assistant Professor

Dr. Jayagopi earned his Ph.D. from Ecole Polytechnic Federale Lausanne, Switzerland. His professional interests include Audio-Visual Signal Processing, Machine Learning, and Social Computing.



12. G.N. Srinivasa Prasanna
Professor

Dr. Prasanna earned his Ph.D. from Massachusetts Institute of Technology Cambridge. He is interested in robust optimization, communication systems (optical, wireless, powerline), electro-mechanical systems, animation and mathematics.



13. G. Srinivasaraghavan
Professor

Dr. Srinivasaraghavan earned his Ph.D. from Indian Institute of Technology, Kanpur. His professional interests include machine learning, optimization, computational intelligence, algorithms and complexity.



14. Janaki Srinivasan
Assistant Professor

Dr. Srinivasan earned her PhD from University of California, Berkeley, USA. Her professional interests include Political economy of development, social theory, critical information studies, ICTD, and qualitative research methods.



15. Jaya Sreevalsan Nair
Assistant Professor

Dr. Nair earned her Ph.D. from University of California at Davis. Her research interests include multidimensional visual analytics, visualization, scientific computing, computer graphics, and computational geometry, with applications in earth observations, healthcare, and complex networks.

REGULAR FACULTY



16. Jayprakash T Lalchandani
Assistant Professor

Dr. Lalchandani earned his PhD from Indian Institute of Technology, Kharagpur. His professional interests include Program and model analysis, domain specific modeling, global software development, and architecture building of large-scale systems using ICTs.



17. Jyotsna Bapat
Professor

Dr. Bapat earned her Ph.D. from Pennsylvania State University, USA. Her professional interests include Wireless communication systems, Opportunistic communication, Cognitive Radios and communication for Internet of Things.



18. K.V. Dinesha
Professor

Dr. Dinesha earned his PhD from Indian Institute of Information Technology, Bombay. His professional interests include Software Engineering, Quality Systems (ISO and SEI CMM Models), Cryptography, Object Technology and Data Structures.



19. Madhav Rao
Assistant Professor

Dr. Rao earned his Ph.D. from the University of Alabama. His professional interests include self-assembly technology, 3D antennas, magnetic logic devices, carbon nanotubes for silicon via applications, and wearable medical devices.



20. Manisha Kulkarni
Associate Professor

Dr. Kulkarni earned her Ph.D. from Institute of Mathematical Sciences, Chennai. Her professional interest include Diophantine equations, elliptic Curves, Galois groups and Class groups.



21. Meenakshi D'Souza
Associate Professor

Dr. D'Souza earned her Ph.D. from the Institute of Mathematical Sciences, Chennai. Her professional interests include Formal Methods, Model Based Development, Automata Theory, Software Testing, Research and Technology Strategy and Safety-critical Systems.



22. Neelam Sinha
Assistant Professor

Dr. Sinha earned her Ph.D. from Indian Institute of Science, Bangalore. Her professional interests include medical imaging, processing and computer vision.



23. Preeti Mudliar
Assistant Professor

Dr. Mudliar earned her Ph.D. from University of Texas, Austin. Her professional Interests include Ethnographic methods and analyses to study people and their social contexts around technology use and social media practices.

REGULAR FACULTY



24. S. Rajagopalan
Professor

Dr. Rajagopalan earned his Ph.D. from Indian Institute of Technology, Kanpur. His professional interests include Innovation dissemination, economics of innovations, Geographical Information systems, and Economics of Information Technologies.



25. S. Sadagopan
Professor & Director

Dr. Sadagopan earned his Ph.D. from Purdue University. His professional interests include Operations Research, Multi-criteria optimization, Technology in Education and E-Governance. He had taught at IIT Kanpur (1979-1995) and IIM Bangalore (1995-1999).



26. Sachit Rao
Assistant Professor

Dr. Rao earned his PhD from Ohio State University (OSU), Columbus, USA. His professional interests include design and implementation of controllers for robotic manipulators and unmanned systems, using tools from Computer Science in widening the areas of applicability of automatic control.



27. Shiva Kumar Malapaka
Assistant Professor

Dr. Malapaka earned his Ph.D. from Max-Planck Institute for Plasma Physics (IPP), Garching bei München, Germany, University of Bayreuth, Bayreuth, Germany. His professional interests include three-dimensional simulations of hydrodynamic and magneto-hydrodynamic turbulence, simulations of magnetic confinement of Plasma (ITER) and n-body simulations for planetary formation.



28. Shrisha Rao
Professor

Dr. Rao earned his Ph.D. from The University of Iowa. His professional interests are in applications of distributed computing, specifically algorithms and approaches for resource management in complex systems such as used in cloud computing. He also has interests in energy efficiency, sustainable computing ("Green IT"), renewable energy and microgrids, applied mathematics, and intelligent transportation systems.



29. Srinath R. Naidu
Assistant Professor

Dr. Naidu earned his Ph.D. from Eindhoven University of Technology, Netherlands. His professional interests include Electronic design automation including statistical timing analysis and optimization for digital circuits, power analysis and optimization and formal verification, combinatorial optimization, and design and analysis of algorithms.



30. Srinath Srinivasa
Professor

Dr. Srinivasa earned his PhD from Berlin-Brandenburg Graduate School, Germany. His professional interests include web information retrieval, distributed computing, and modelling of non-linear systems.

REGULAR FACULTY



31. Subajit Sen

Associate Professor

Dr. Sen earned his PhD from University of Waterloo, Ontario, Canada. His professional interests include. Analog and mixed-signal VLSI integrated circuit & system design, digitally-assisted analog circuit design, embedded-systems for biomedical and energy-harvesting applications.



32. Subir Kumar Roy

Professor

Dr. Roy earned his Ph.D. from Indian Institute of Technology. His professional interests include Hardware formal verification, power estimation, performance analysis, CAD for VLSI and embedded systems.



33. Sujit Kumar Chakrabarti

Assistant Professor

Dr. Chakrabarti earned his Ph.D. from Indian Institute of Science, Bangalore. His professional interests include Software engineering, formal methods and software testing, programming, engineering, and tech-blogging.



34. T.K. Srikanth

Professor

Dr. Srikanth earned his Ph.D. from Cornell University. His professional interests include Mobile and cloud applications, geometric modelling and graphics, 3D printing, distributed computing, e-health.



35. Tricha Anjali

Associate Professor

Dr. Anjali earned her Ph.D. from Georgia Institute of Technology, USA. Her professional interests include computer networks and wireless networks, design and analysis of security schemes for wireless body sensor networks, networks, multipath routing schemes and game theoretic approaches.



36. V.N. Muralidhara

Associate Professor

Dr. Muralidhara earned his PhD from Indian Institute of Technology, Delhi. His professional interests include Theory of algorithms and complexity, and its applications, combinatorial optimization, approximation algorithms, randomized algorithms, on-line algorithms, cryptography, algebra and coding theory, theory of algorithms and complexity, and its applications



37. Varadarajan Sridhar

Professor

Dr. Sridhar earned his Ph.D. from the University of Iowa, U.S.A. His professional interests include Techno-Economics of Networks, Telecommunications/ Internet Policy and Regulation, Radio Spectrum Policy, Distributed Software Project Management, Platform Economics.

REGULAR FACULTY



38. Pradeesha Ashok
Assistant Professor

Dr. Pradeesha prior to joining IIT-B, she was a Postdoctoral Fellow at Institute of Mathematical Sciences, Chennai. She earned her Ph.D. from Indian Institute of Science, Bangalore.

ADJUNCT FACULTY



39. Anantha Rangan

Professor Anantha Rangan completed his M.Sc from Bangalore University. He served in the National College, Bangalore for 38 years. He is a member of Board of Studies and Board of Examiners at Bangalore University. He has authored several books.



40. Chandramouleeswaran Sankaran

Professor Sankaran completed his M.Tech from Indian Institute of Information Technology, Madras.



41. Joy Prabhakaran

Professor Prabhakaran completed his B.Tech from IIT Kharagpur and M.S. From Michigan Technological University. His current area of work is related to image compression and video distribution over the internet.



42. Muralidhar Koteswar

Professor Muralidhar completed his B.Tech from Indian Institute of Information Technology, Madras. His professional interests include



43. Ramesh Sundararaman

Professor Sundararaman completed his MBA (in software enterprise management) from Indian Institute of Management, Bangalore. He is a startup mentor and mobility consultant, who helps ISVs and businesses understand and deploy contextual technologies. Currently, as COO of IIT-B Innovation Centre and founder of I-MACX, Professor Ramesh works closely with both startups and students in addressing the software needs of social / government organizations.



44. S. Nagarajan

Professor Nagarajan completed his M.S. from Indian Institute of Technology, Madras. His professional interests include Storage Systems, Emerging Computing Infrastructure, Operating Systems and Computer Architecture.

ADJUNCT FACULTY



45. S. V. Subramian

Dr. Subramian was Vice President and Research Fellow at Infosys Ltd. His area of specialization is Software Architecture and Software engineering . He has 30 years of rich industry and academic experience.



46. Tridib Roy Chowdhury

Professor Chowdhury completed his M.S. from University of Maryland, College Park. His professional interests include multi-dimensional indexes, object databases, user experience, cloud and data analytics.



47. Valsala Rajan

Dr Rajan completed her MA in English Literature. She has over 37 years of experience in various managerial and communication centric roles. She is writer, editor, content consultant and soft skills trainer.

ADVISORY FACULTY



48. Prabhu SS

Dr. Prabhu earned his Ph.D. from University of Toronto. His professional interests include control of distributed parameter systems, optimal control, electric drives, robot path planning and control, power system dynamics and stabilizers, HVDC & FACTS controllers, voltage stability, industrial informatics, discrete event systems, hardware and software systems reliability and e-education.



50. Vinod Vyasulu

Dr. Vyasulu earned his Ph.D. from University of Florida. His research interests include economic aspects of IT and its application, diffusion etc. Applying social cost benefit analysis in IT contexts, issues of second best choice in economic development etc.



51. Usha Rani Vyasulu Reddy Advisor

Dr. Reddy earned her Ph.D. from Poona University, Poona. She is a former Professor and Director, Centre for Human Development, Administrative Staff College of India, Hyderabad, and former Director, The Commonwealth Educational Media Centre for Asia, New Delhi. Earlier, she was Professor of Communication and Director, Audio Visual Research Centre, Osmania University.

VISITING FACULTY



52. Anand Baria

Dr. Anand Bariya received his Ph.D. from Stanford University in 1990. He has since worked in research and development in the semiconductor industry. His professional interests include integrated systems and renewable energy. Prof. Bariya has a keen interest in advancing engineering education, particularly in the development of scalable and relevant programs that deliver high learning outcomes.



53. Balwant Godara

Dr. Balwant Godara earned his Ph.D. in Microelectronics from the University of Bordeaux, France. His professional interests include the use of information and communications technologies as tools to aid international development, notably health. Besides the consultancies in this area, he is also working on a project funded by the International Society for Infectious Diseases.



54. K R V Raja Subramanian

Dr. Subramanian earned his Ph.D. from Birla Institute of Technology and Science, Pilani.



55. Radha M. Parikh

Dr. Parikh earned her PhD from University of Missouri-Columbia. Her specialization is Language & Communication skill and Multi-cultural education & Human Diversity. She is a researcher in the field of Education and Pedagogy



56. P.G. Poonacha

Dr. Poonacha earned his Ph.D. from Indian Institute of Technology, Kanpur. His research interests include Computer Vision Problems, Wireless Communications and Wireless Sensor Networks, Software Defined Radio, Neural Networks and their application.



57. Roland E. Haas

Dr. Haas earned his Ph.D. from the Technical University of Clausthal. His professional interests include architectural and performance aspects of complex software systems as well as design issues of mechatronical and embedded systems.



58. Samar Shailendra

Dr. Samar earned his Ph.D. from Indian Institute of Technology, Guwahati. His research interests include SDN, ICN, M2M/IoT, Wireless MAC, QoS and multipath protocols.

FACULTY PUBLICATIONS & CONFERENCES

August 2015

1. The paper titled "A techno-economic study of non-exclusive sharing of radio spectrum for mobile services and associated policy implications" by Professor V Sridhar and Professor Prasad R, MDI, Gurgaon was presented at the 10th Annual International Conference on Public Policy and Management organized by Centre for Public Policy, Indian Institute of Management, Bangalore held during August 3 to August 5, 2015.
2. The Paper titled "Infomediating the Digital Divide: A Case Study of the Sujala Watershed Development Project in Karnataka" by Kavitha Narayanan and Professor Amit Prakash was presented at the 10th Annual International Conference on Public Policy and Management organised by Centre for Public Policy, Indian Institute of Management, Bangalore held during August 3 to August 5, 2015.
3. The paper titled "Statistical features based epileptic seizure EEG detection-An efficacy evaluation" by Gopika Gopan K with co-author Professor Neelam Sinha and Professor Dinesh Babu J was presented at the 4th International Symposium on Recent Advances in Medical Informatics (RAMI-2015) held at Kochi during August 10 to August 13, 2015.
6. The paper titled "Agent-Based Modelling of Biofilm Formation and Inhibition in Escherichia Coli" by Anusha Modwal and Professor Shrisha Rao appeared in the Current Science, vol. 109 (5), September 2015.
7. A paper titled "Does Computerization Reduce PDS Leakage? A Case Study of Karnataka" by Silvia Masiero and Professor Amit Prakash appeared in the Economics and Political Weekly Journal in September 2015.

October 2015

8. The paper titled "Inferencing in the Large : Characterizing Semantic Integration of Open Tabular Data" by Asha Subramanian and Professor Srinath Srinivasa was presented at the International Semantic Web Conference (ISWC) at Bethlehem during October 11 to October 15, 2015.
9. The paper titled "Inferencing in the Large: Characterizing Semantic Integration of Open Tabular Data" by Asha Subramanian and Professor Srinath Srinivasa appeared at Doctoral Consortium of the International Semantic Web Conference (ISWC) at Bethlehem held during October 11 to October 15, 2015.

November 2015

10. The paper titled "Applications of Big Data Summarization through Polyhedral Uncertainty Sets" by Anushka Chandrababu and Professor G N Srinivasa Prasanna was presented at the INFORMS Annual meeting Conference, Philadelphia held during November 1 to November 4, 2015.
11. The paper titled "Transformations and Materializations of Uncertainty Sets in Robust Optimization" by Abhilasha Aswal and Professor G N Srinivasa Prasanna was presented at the INFORMS Annual meeting Conference, Philadelphia, USA held during November 1 to November 4, 2015.
12. The paper titled "Optimal Decision Support System for Large Scale Energy Management in Smart Grid" by Sunil K Vuppala and Professor G N Srinivasa Prasanna was presented at the INFORMS Annual meeting conference, Philadelphia, USA held during November 1 to November 4, 2015.
13. The paper titled "Quantum Computing Architectures: An idea whose time is not far away" by Vignesh R with Professor P G Poonacha as co-author was presented at the 2015 International Conference on Computers, Communications and Systems (IEEE Conference) in Kanyakumari, Tamil Nadu held on November 2, 2015.
14. The paper titled "An Interactive Visual Analytic Tool for Semantic Classification of 3D Urban LiDAR Point Cloud" by Beena Kumari and Professor Jaya Sreevalsan Nair was

FACULTY PUBLICATIONS & CONFERENCES

presented at the 23rd ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems, in Seattle held on November 3, 2015.

15. The paper titled "Feasibility Study of Port Scan Detection on Encrypted Data" by Prakruti Chandrashekar, Sashank Dara and Professor Muralidhara V N was presented at the IEEE Cloud Computing for Emerging Markets (CCEM) 2015 conference at Bengaluru held during November 25 to November 27, 2015.
 16. The paper titled "Safety Validation of an Embedded Real-Time System at Hardware-Software Integration Test Environment" by Professor Meenakshi D'Souza with co-author Gracy Philip appeared at the 9th International Conference on Advanced Computing & Communication Technologies, 2015 at Panipat held during November 28 to November 29, 2015.
 17. The paper titled "Adoption of dynamic spectrum access technologies: a system dynamics approach" by Arturo Basaure, PhD scholar, Aalto University, Finland, Professor V Sridhar and Dr Heikki Hämmäinen, Aalto University, Finland appeared in the Telecommunication Systems (a Springer journal) in November 2015.
 18. The paper titled "Extended Neighbourhood based Linear Reconstruction of Diffusion Kurtosis Imaging" by Rajikha Raja, Professor Neelam Sinha and Jitender Saini was presented at the Proceedings of the IEEE Region 10 Conference, (TENCON), Macau, China held during November 1 to November 4, 2015.
 19. The paper titled "Automation of cross-sectional analysis of neuroimages using Diffusion Kurtosis Imaging" by Rajikha Raja, Professor Neelam Sinha and Jitender Saini was presented at the Proceedings of the IEEE Region 10 Conference, (TENCON), Macau, China, held during November 1 to November 4, 2015.
 20. The paper titled, "Design and analysis of 3D posts bases antenna" by Putluru Sravani, Gaurangi Gupta, A R Harish and Professor Madhav Rao was presented at the International Symposium on Antennas and Propagation, Hobart, Tasmania, Australia held during November 9 to November 12, 2015.
- December 2015**
21. The poster titled "Study of ferromagnetic dot shapes for digital logic applications" by Neha Oraon with Professor Madhav Rao appeared at the 18th International Workshop on Physics of Semiconductor Device (IWPSD 2015) held in J N TATA Auditorium, IISc, Bengaluru held during December 7 to December 10, 2015.
 22. The article titled "Does Computerization Reduce PDS Leakage? Lessons from Karnataka" by Dr Silvia Masiero (London School of Economics, U.K.), and Professor Amit Prakash appeared in the Economic and Political Weekly, Vol. L No. 50, December 12, 2015.
 23. The paper titled "A Techno-Economic Study of Wi-Fi Adoption in India" by Professor V Sridhar and Rohit Prasad (MDI, Gurgaon) appeared at the Second Regional International Telecommunications Society Conference, New Delhi during December 13 to December 15, 2015.
 24. The paper titled "Diffusion of Broadband: Growth models and comparison across countries" by Professor V Sridhar with Professor Sunil Mani (Centre for Development Studies, Thiruvananthapuram) as a co-author was presented at the Second Regional International Telecommunications Society Conference, New Delhi held during December 13 to December 15, 2015.
 25. The paper titled "Diffusion of Broadband Internet in India: Trends, Determinants and Challenges" by Professor V Sridhar and Professor Sunil Mani (Centre for Development Studies, Trivandrum), appeared at the Economic & Political Weekly (EPW) on December 19, 2015.
 26. The paper article titled "Turbulence on a Fractal Fourier Set" by Professor Shiva Kumar Malapaka with Alessandra S. Lanotte, Roberto Benzi, Federico Toschi, and Luca Biferale as co-authors appeared in Phys. Rev. Lett. 115, 264502 on December 29, 2015.
 27. The paper titled "Locally Potentially Equivalent Two Dimensional Galois Representations And Frobenius Fields Of Elliptic Curves" by Professor Manisha Kulkarni, Vijay Patankar and C S Rajan appeared in the Journal of Number Theory in December 2015.
 28. The paper titled "I - Class groups of cyclic extensions of prime degree I" by Professor Manisha Kulkarni, D. Majumdar and B. Sury appeared in the Journal of the Ramanujan Mathematical Society (JRMS) in December 2015.

FACULTY PUBLICATIONS & CONFERENCES

January 2016

29. The paper titled "Diophantine Equations of the form $F(x) = G(y)$ an Exposition" by Professor Manisha Kulkarni and B Sury has appeared in the The Mathematics Student, Vol. 84, January-June (2016).
30. The paper titled "Learning-Based Text Classifiers Using the Mahalanobis Distance for Correlated Datasets" by Noopur Srivastava and Professor Shrisha Rao was accepted in International Journal of Big Data Intelligence, vol. 3 (1), January 2016.
31. The paper titled "Towards Formal Verification of Adaptive Cruise Controller using SpaceEx" by Ambuj Mishra with Professor Subir K Roy was presented at 2nd IEEE International Conference on VLSI Systems, Architecture, Technology and Applications 2016 (VLSI SATA 2016) organized by Amrita University, Bengaluru on January 12, 2016.
32. The paper titled "Non-Intrusive FPGA based Profiler for Loop Execution Characterization" by Pavan Kumar with Professor Subir K Roy as a co-author was presented at the Second IEEE International Conference on VLSI Systems, Architecture, Technology & Applications (VLSI SATA 2016), organized by Amrita University, Bengaluru on January 12, 2016.
35. The paper titled "ACT (Abstract to Concrete Tests) - A tool for generating Concrete test cases from Formal Specification of Web Applications" by Khusbu Bubna with Professor Sujit Chakrabarti as a co-author was presented at the Modelling Symposium collocated with 9th India Software Engineering Conference held at BITS Pilani, Goa Campus on February 18, 2016.
36. The paper titled "SymTest: A Framework for Symbolic Testing of Embedded Software" by Professor Sujit Chakrabarti with Ramesh S, General Motors, Warren MI USA as a co-author was presented at the 9th India Software Engineering Conference held at BITS Pilani, Goa Campus on February 19, 2016.
37. The paper titled "Formal verification of avionics self adaptive software" by Rajanikanth Kashi with Professor Meenakshi D'Souza, S Kumar Baghel and Nitin Arun Kulkarni was presented at the 9th ACM India Software Engineering Conference held at BITS Pilani, Goa Campus held during February 18 to February 20, 2016.

March 2016

38. The paper titled "On the Vortex Dynamics in Fractal Fourier Turbulence" by Alessandra Lanotte, Scientist at CNR-Istituto di Scienze dell'Atmosfera e del Clima, Lecce, Italy, Professor Shiva Kumar Malapaka, IIIT-Bangalore and Professor Luca Biferale, Professor in the Department of Physics, University of Rome 'TorVergata', Rome, Italy appeared in The European Journal of Physics E (EPJE) Soft Matter and Biological Physics in March 2016.
39. The paper titled "UCliDSS: An Unsupervised Clinical Decision Support System for Text" by Tahir Ahmad Dar, Sumant Kulkarni, Professor Srinath Srinivasa, and Ullas Nambiar appeared at Proceedings of the 21st International Conference on Management of Data (COMAD 2016), Pune during March 11 to March 13, 2016.

April 2016

33. The paper titled "The Nature of Activated Non-classical Hydrogen Bonds: A Case Study on Acetylcholinesterase-Ligand Complexes" by Professor Brijesh Kumar Mishra with Dr C David Andersson, Dr Fredrik Ekström and Professor Anna Linusson as other co-authors appeared in Chemistry - A European Journal, vol. 22 (8), February 18, 2016.
34. The paper titled "Effect of Control Saturation on the Tracking of Longitudinal States of an Aircraft" by Professor Sachit Rao with Sulakshan Arya as a co-author appeared at the 4th International Conference on Advances in Control and Optimization of Dynamical Systems, NIT-Trichy during February 1 to February 5, 2016.
40. The paper titled "The Hybrid Domain and ICTs: New Institutional and Technological means to Innovation in Emerging Markets" by Professor Balaji Parthasarathy with Yuko Aoyama of Clark University as a co-author was presented at the the 112th Annual Meeting of the Association of American Geographers held in San Francisco held during March 29 to April 2, 2016.
41. The paper titled "Observlets: Empowering Analytical Observations on Web Observatory" by Dr Aastha Madaan, Dr Tiropanis Thanassis, Professor Srinath Srinivasa and Dr Wendy Hall was presented at the proceedings of the 25th International Conference Companion on World Wide Web (WWW '16 Companion) by International World Wide Web

FACULTY PUBLICATIONS & CONFERENCES

Conferences Steering Committee, Republic and Canton of Geneva, Switzerland held during April 11 to April 15, 2016.

42. The papers titled "Optimization under uncertainty for Demand Response in Smart Grid" and "Stability Analysis of Energy optimization in smart grid" by Sunil K Vuppala with Professor G N Srinivasa Prasanna as a co-author was presented at the INFORMS Conference on Business Analytics and Operations Research, Orlando, Florida held during April 10 to 12, 2016.

May 2016

43. The paper titled "Optimization Under Uncertainty For Demand Response In Smart Grid" by Professor G N Srinivasa Prasanna with Sunil Vuppala and Abhilash was presented at the Informs conference on Business Analytics (BA) and Operations Research (OR), Orlando during April 10 to April 12, 2016.
44. The paper titled "Design Approach Towards an Efficient Secure Reconfigurable System" by Anshu Bhardwaj with Professor Subir K Roy as a co-author was presented at the IEEE International Conference on Recent Trends in Electronics Information and Communication Technology at the Sri Venkateshwara College of Engineering, Bengaluru on May 20, 2016.
45. The paper titled "An Efficient FPGA- Based Function Profiler for Embedded System Applications" by Nadimpalli Pavan Kumar with Professor Subir K Roy as a co-author was presented at the 20th International Symposium on VLSI Design and Test, (VDAT-2016) held at IIT Guwahati during May 24 to May 27, 2016.

46. The poster paper titled "Formal Verification of Switched Capacitor DC to DC Power Converter" by Ambuj Mishra with Professor Subir Roy as a co-author was presented at the 20th International Symposium on VLSI Design and Test (VDAT-2016), held IIT Guwahati held during May 24 to May 27, 2016.
47. The paper titled "New technique to improve transient response of LDO's without an off-chip capacitor" by Professor

Chetan D Parikh and Gopal Agarwal, Lecturer at Sarvajanic College of Engineering & Technology, Surat was presented at the 20th International Symposium on VLSI Design and Test, Guwahati during May 24 to May 27, 2016.

48. The paper titled "Multivariate Topology Simplification" by Professor Amit Chattopadhyay, Hamish Carr, David Duke, Zhao Geng and Osamu Saeki was presented at the Computational Geometry: Theory and Application, Elsevier held in May 2016.

June 2016

49. The paper titled "Beyond ICTs and developmental domains: The historical specificity of ICTD" by Professor Balaji Parthasarathy was presented at the 8th International Conference on Information and Communication Technologies and Development held in Ann Arbor, Michigan during June 3 to June 6, 2016.
50. The paper titled "Customizing CNNs for Blood Vessel Segmentation From Fundus Images" by Sunil Kumar Vengalil with Professor Neelam Sinha, Srinivas Kruthiventi and R Venkatesh Babu as co-authors was presented at the International Conference on Signal Processing & Communications, (SPCOM) held at IISc held during June 12 to June 15, 2016.
51. The paper titled "Ola! Moral Economies of the Digital" by Kavitha Narayanan, Onkar Hoysala and Professor Janaki Srinivasan was presented at the 28th Annual Conference of the Society for Advancement of Socioeconomics (SASE) held at University of California- Berkeley, during June 24 to 26, 2016.
52. The paper titled "The Digital Transformation? A Study of Ola Auto" by Kavitha Narayanan, Onkar Hoysala and Prof. Janaki Srinivasan was presented at the Workshop on Bangalore's 'Great Transformation': Land, Ecologies, Economies, Communities organized by National Institute of Advanced Studies, Bangalore during June 24 to June 25, 2016 (Presenting author: Kavitha Narayanan).

July 2016

53. The paper titled "Analyzing cognitive states using fMRI data" by Pankaj Pandey, Byomkesh Jha and Professor Neelam Sinha was presented at the 20th Conference on Medical Image Understanding and Analysis, (MIUA), held at Loughbrough University, UK during July 6 to July 8, 2016.
54. The paper titled "Automatic assessment of communication skill in interface-based employment interviews using audio-visual cues" by Sowmya Rasipuram and Professor Dinesh Babu J was presented at the 2nd International workshop on Affective Social Multimedia Computing, IEEE International Conference on Multimedia and Expo (ICME) 2016, Seattle, USA in July 2016.

FACULTY PUBLICATIONS & CONFERENCES

55. The paper titled "Analysis of switching energy and delay for magnetic logic devices" by Professor Madhav Rao with Neha Oraon as a co-author was presented at the IEEE Computer Society of Annual Symposium of VLSI (ISVLSI'16), Pittsburgh, USA held during July 11 to July 13, 2016.
56. The paper titled "Pruning a Random Forest by Learning a Learning Algorithm" by Kumar Dheenadayala with Professor G Srinivasaraghavan and Professor V N Muralidhara was presented at the 12th International Conference on Machine Learning and Data Mining MLDM 2016, Newark, USA held during July 16 to July 21, 2016.

FACULTY ACHIEVEMENTS

August 2015

1. Professor Amit Prakash and Professor V. Sridhar co-chaired the special track on "Digital Governance" at the 10th Annual International Conference on Public Policy and Management, held during August 3 to August 5, 2015 at the Indian Institute of Management, Bangalore.
2. Professor Jaya Sreevalsan Nair gave an invited talk at C-DAC, Bangalore on "Focus+Context Techniques to Visualize Big Data" at Data Sciences and Big Data Analytics 2015, a National Training Workshop, on August 7, 2015.
3. Professor V Sridhar presented a report on Consultation on "Net Neutrality in the Indian Context: Reality vs Rhetoric", at an event at Center for Internet & Society, Bangalore, in April 2015.
4. Professor Neelam Sinha delivered a talk titled "fMRI analysis using Machine Learning" at the Digital Image Processing workshop, held at Sri Krishna College of Engineering and Technology, Coimbatore, during August 21 to August 22, 2015.
5. Professor Amit Prakash and Professor Janaki Srinivasan were invited to conduct a one-day -long workshop on ICT and Development at the Azim Premji University (APU) on August 22, 2015.
6. Professor Sujit Kumar Chakrabarti delivered the keynote address at the 11th International Multi conference on Information Processing (IMCIP-2015), held at Hotel Capitol, Bangalore held during August 22 to August 23, 2015. The topic of the talk was "Making IT Research Relevant to India." He was also the Guest of Honour at the inaugural function of the conference.

September 2015

7. Professor V Sridhar was one of the panelists in the workshop on "Last mile access to NOFN", organized by "IT for Change", New Delhi on September 5, 2015.
8. Professor Shrisha Rao delivered an invited talk on "Providing Dependable Services in a Resource-Constrained World" at the GARUDA – NKN Partners Meet, jointly organized by C-DAC & NKN at the NIAS Auditorium, IISc, Bangalore, on September 11, 2015.

17. Professor Subajit Sen visited the "Center for Photonics and Electronics (CAPE) at the Electrical Engineering department of Cambridge University" from October 26 to November 5, 2015.
18. Professor Jyotsna Bapat gave a talk on "Context Aware Homes" at IBMI-CARE 2015 on October 29, 2015.

November 2015

19. Professor T K Srikanth presented a talk on "3D Printing and the Arts: Giving shape to your designs" at the second Digital Arts Symposium, NIMHANS Convention Center, Bengaluru, on November 3, 2015, organized by ABAL.
20. Professor Chetan Parikh gave a talk entitled "Some Physics of Nano-scale MOSFETs" at the ECE Department of Amrita Vishwavidyalaya, Bengaluru on November 20, 2015.
21. Professor S Sadagopan, participated in a panel discussion in iEXCELiLEAD at the Art of Living Headquarters on November 28, 2015 along with Mr Sanjiv Sarin, MD & CEO, Tata Coffee, Mr MA Partha Sarthy, CPO, Mindshare, Mr Abhishek Humbad, Co-Founder & CEO, NextGen, with Professor Muralidhar Koteshwar, Adjunct faculty at IIIT-B acting as moderator.

December 2015

22. Professor Amit Prakash was invited to the "Regional Dialogue on ICTD Capacity Building for Inclusive, Resilient and Sustainable Development", hosted by United Nations Asia-Pacific Centre for ICT and Development (UN-APCICT/ESCAP) at Incheon, Republic of Korea, from December 1 to December 4, 2015.
23. Professor Ashish Choudhury conducted a tutorial on "Secure Multi-party Computation" at the 11th International Conference on Information Systems Security (ICISS 2015), held at Jadavpur University from December 16 to December 20, 2015.
24. Professor Jaya Sreevalsan Nair has received a grant of Rs 10 lakh for 12 months from Foundations of Research in Health Systems (FRHS) for a project titled, "Visual Analytics of Child Malnutrition Data in India".
25. Professor Shiva Kumar Malapaka gave an Invited Talk on "Large-Scale Magnetic Structures - Inverse Cascade of Magnetic Helicity" at Shanghai Astronomical Observatory, Shanghai, China on December 22, 2015.

January 2016

26. Professor V Sridhar was a panelist in the session on "Net Neutrality: Is it Good, Bad or Confusing for the Telecom Industry" at the 8th International Conference on COMMunication Systems and NETworkS (COMSNETS) held at Bengaluru on January 7, 2016.

FACULTY ACHIEVEMENTS

27. Professor Shrisha Rao gave an invited lecture on "Services Science and Services Computing" as part of the Distinguished Researcher Seminar Series at the Department of Industrial and Management Engineering at IIT Kanpur on January 8, 2016.
 28. Professor S Sadagopan attended a workshop program on "Promote Women in Technology - Workshop" on January 19, 2016 at Intel India, Bengaluru.
 29. Professor V Sridhar delivered a talk at a research seminar on "Techno Economics of Spectrum: Case of India" at Indira Gandhi Institute of Development Research (IGIDR), Mumbai, on January 20, 2016.
 30. Professor V Sridhar was a panelist in the session on "Network Neutrality Regulation Across South Asia: A Round table on Aspects of Differential Pricing", organized by Observer Research Foundation, IT for Change, and the Centre for Internet and Society at Bengaluru on January 22, 2016.
 31. Professor S Sadagopan, attended as Chief Guest on the occasion of the "International Customs Day" celebrations by The WCO (World Customs Organisation) on January 27, 2016 at Customs office, Queens Road, Bengaluru.
 32. Professor V Sridhar was a panelist in the session on "Data Privacy", organized by Data Security Council of India (DSCI), Bengaluru Chapter at Bengaluru on January 28, 2016.
 33. Professor Amit Prakash delivered a guest lecture on "Public Health Management and information systems" at the Center for Public Health, NIMHANS on January 29, 2016.
 34. Professor T K Srikanth delivered a guest lecture on "IT in Healthcare", at the Center for Public Health, NIMHANS on January 29, 2016.
 35. Professor T K Srikanth delivered a guest lecture on "IT in Healthcare" at the Center for Public Health, NIMHANS on January 29, 2016.
 36. Professor Meenakshi D'Souza attended "Microsoft Academic Research Summit" in Pune held during January 29 to January 30, 2016. She also represented IIT-B in the All India Research Board meeting of ACM at the summit.
- February 2016**
37. Professor Ashish Choudhury gave invited talks on "PRG and COA Security" and "Yao's Secure 2-party Computation Protocol" on February 2 and February 8, 2016, respectively, at the Workshops on Cryptography held at SERC, IISc Bangalore. The workshops were organized by the Information Security Research and Development Centre, Bangalore as part of the Information Security Education and Awareness (ISEA) Project, Phase II.
 38. Professor Meenakshi D'Souza, along with Swarup Kumar Mohalik and Mahesh Babu from Ericsson, organized a workshop on "Software Architectures for Adaptive Autonomous Systems (SAAAS)", co-located with India Software Engineering Conference (ISEC) 2016, on February 18, 2016.
 39. Professor S Sadagopan, who is a member of ABI India Council, attended the strategy planning meeting of the Anita Borg Institute (ABI) India Council was held at the Institute on February 3, 2016.
 40. Professor Meenakshi D'Souza co-organized, with researchers from Ericsson Research India, a one-day workshop on "Software Architectures for Adaptive, Autonomous Systems." The workshop was co-located with the 9th ACM India Software Engineering Conference, held at BITS Pilani, Goa Campus on February 18, 2016.
 41. Professor Sujit Kumar Chakrabarti attended "HPC workshop at Siemens and collaboration opportunities with University of Technology Munich" on February 29, 2016 on special invitation. He gave a presentation on the academic and academic and research activities in IIT-B in general and Software Engineering Lab (SELab) in particular.
- March 2016**
42. Professor Chetan Parikh presented a talk on "Enhancing Student Learning in Engineering Education" to the faculty of Department of Electronics and Communication Engineering, Amrita School of Engineering, Bengaluru on February 26, 2016.
 43. Professor Ashish Choudhury gave a public talk titled "Alice and Bob go Public: What Brings Diffie and Hellman Turing Award 2015" on March 16, 2016 at IIT-B.
 44. Professor Jyotsna Bapat gave a talk at RV College, Bangalore on "LTE: Introduction and Advances" on March 19, 2016.

FACULTY ACHIEVEMENTS

April 2016

45. Professor Balaji Parthasarathy was invited to deliver the opening keynote address titled "Towards Financial Inclusion for Underprivileged Women" at the 5th Women's Empowerment Conference of Chamber Trade Sweden held in Stockholm during April 6 to April 9, 2016.

May 2016

46. Professor Balaji Parthasarathy was invited to deliver the keynote address at the closing/awards ceremony of the 49th Annual Science Festival of the Bangalore Science Forum on May 8, 2016.
47. Professor Sujit Kumar Chakrabarti delivered full day session titled "Formal Techniques in Software Testing" at SVNIT Surat, as part of the Requirement Specification and Verification workshop, on May 13, 2016.
48. Professor Meenakshi D'Souza and Professor Sujit Kumar Chakrabarti organized and attended the first workshop of the RA Engg sponsored project on Simulink refinement at Government Engineering College, Idukki (GECI), Kerala during May 19 to May 21, 2016. The former is a PI on the project and the latter a collaborator this workshop was hosted by the collaborator on the project at GECI.
49. Professor Meenakshi D'Souza delivered an invited lecture on the "Application of Formal Methods for Safety and Security critical systems", held at CSIR-NAL, Bengaluru, on May 26, 2016.

June 2016

50. Professor Balaji Parthasarathy was invited to deliver a talk titled "Collaborative Governance for Social Innovation" on June 24, 2016 as part of the Research in Play lecture series organized by the Bangalore-based NGO, Fields of View.

July 2016

51. Professor Madhav Rao visited the Human Engineering Research Lab of University at the Pittsburgh, Robotics and RF lab at CMU, Wyss institute at Harvard University, MIT Media lab, and Boston University to

explore research collaborations and possible student exchange programs with IIT-B.

52. Professor Meenakshi D'Souza attended GIAN course on "Modeling and Analysis of Cyber Physical Systems", held at IIT-Bhubhaneswar from 1 July to July 8, 2016. She delivered an invited lecture titled "Architecture modeling of embedded software using AADL" as part of the course.
53. Professor Shrisha Rao gave an invited talk on "Services Science and Services Computing" at The Bangalore Science Forum, Bangalore on July 13, 2016.
54. Professor Sujit Kumar Chakrabarti gave an invited talk on "Application of Formal Techniques in Software Testing" at YCCE, Nagpur on July 22, 2016.
55. Professor Sujit Kumar Chakrabarti gave an invited talk on "Services Science and Services Computing" at The Bangalore Science Forum, Bangalore on July 13, 2016.
56. Professor S Sadagopan chaired the panel discussion on "Digital Media – The new gurus in Education and Entertainment" at the 12th India Innovation Summit 2016, held on July 28, 2016.



students



Thesis List - 2016 Convocation

Sl. No.	Roll No.	Name of the Student	Title of the Thesis	Supervisor
1	IMT2013008	Amit Tomar	Augmenting nodetrix for effective small world network visualization	Prof. Jaya Sreevalsan Nair
2	MT2013045	Deepthi M	Aspect-based opinion mining from product reviews	Prof. G. Srinivasragahavan
3	MT2013100	Paspulati Leelaram	Application of formal techniques in robust design of digital circuits	Prof. Subir K Roy
4	MT2013104	Pavithra	Machine learning in automated opinion extraction	Prof. G. Srinivasragahavan
5	MT2013119	Rahul R	Research and development of a visually programmable robot integrated with augmented reality engine for academic users	Prof. MadhavRao
6	MT2013143	Shivam Agarwal	Visualization of hard clustering of document collections	Prof. Jaya Sreevalsan Nair
7	MT2013152	Srinivas R Vaidya	Visibility driven focus + context visualization of multimodal volume data	Prof. T K Srikant
8	MS2011004	Bivas Bhattacharya	Study of software defined network to enhance quality of service of internet	Prof. Debabrata Das
9	MS2012002	Ameneh Pourmoghaddas Langroudi	Study of two methods for improving energy efficiency of LTE advanced networks	Prof. P G Poonacha

Sl. No.	Roll No.	Name of the Student	Title of the Thesis	Supervisor
10	MS2012005	Jog Chinmay Sanjeev	Distributing a trusted utilitarian knowledge exchange frame work to enable inter-organizational collaborations	Prof. Srinath Srinivasa
11	MS2012009	Vivek Yadav	Automated layout preservation in cross language translation of document	Prof. Chandrashekar Ramanathan
12	MS2013004	Putluru Sravani	Design of 3D antennas for 24 Ghz ISM band applications	Prof. Madhav Rao
13	PH2006503	Manju Nanda	Novel functional availability analysis technique using system algebra for safety critical systems	Prof. Shrisha Rao
14	PH2006904	Subramanian N	Threat-Aware intrusion detection approach for dynamic network environments	Prof. Shrisha Rao
15	PH2006905	Vivek Shanbagh	Locating lock order violations in Java libraries - A scalable static analysis	Prof. Dinesha KV
16	PH2008901	Sashirekha GVK	Bayesian risk management in emergency cognitive rasdio Ad Hoc networks	Prof. Jyotsna Bapat
17	PH2008902	Aparna Lalingkar	Ontology for developing smart learning environment for teaching word problems in mathematics	Prof. Srinivas Ramani and Prof. Chandrashekar Ramanathan
18	PH2008905	Raghu Anantharangachar	Novel techniques for extraction of structured information from unstructured text	Prof. Srinivas Ramani and Prof. S Rajagopalan
19	PH2009906	Vyshnavi Malathi Ramesh	A framework for tutoring rules	Prof. Chandrashekar Ramanathan and Prof. N. J. Rao

AT THE CONVOCATION



167 students (two Ph.D., 11 Master of Science by Research and 154 M.Tech.) received their degree.
 Out of these 154 M.Tech. students,
 19 students belonged to the first batch of IIT-B's M.Tech. with Electronic Systems Design specialisation.

Dean's List

Dean's List (Sponsored M.Tech.) August 2016

The Dean's List at IIIT-B honors the students who have attained a cumulative GPA of 3.75 or above. The list is updated twice during the year.

Batch 2013

Roll No	Name	CGPA
EMT2013007	Gaurav Kumar Jain	3.91
EMT2013009	Giridhar Bachalli Maruthy	3.84
EMT2013010	Gopal Kumar Agrawal	3.81
EMT2013019	Pavan Sudheendra	3.78

Batch 2014

Roll No	Name	CGPA
SMT2014003	Amit Sarkar	3.92
SMT2014008	Jayakarthick S	3.79

The Dean's List at IIIT-B honors the students who have attained a cumulative GPA of 3.75 or above. The list is updated twice during the year.

Batch 2015

Roll No	Name	CGPA
SMT2015012	Harsh Jain	3.85
SMT2015014	Kavin Kumar Thangadorai	3.85
SMT2015031	Suhas Shantaraja Palasamudram	3.77

Dean's List

Dean's List (M.Sc. (Digital Society)) August 2016

The Dean's List at IIIT-B honors the students who have attained a cumulative GPA of 3.75 or above. The list is updated twice during the year.

Batch 2015

Roll No	Name	CGPA
DT2015009	Vidhya Y	3.79

Dean's List (M.Tech.) August 2016

The Dean's List at IIIT-B honors the students who have attained a cumulative GPA of 3.75 or above. The list is updated twice during the year.

Batch 2015

Roll No	Name	CGPA
MT2015001	Aamer Ramzan	3.87
MT2015026	Anushree Joshi	3.78
MT2015038	Darshan Ramakant Bhat	3.80
MT2015044	Freeze Francis	3.87
MT2015046	Mahendra Bhagwan Garodi	3.91
MT2015050	Hitesh Agrawal	3.77
MT2015065	Mohammed Haroon D	3.82
MT2015105	Shishir Uniyal	3.78
MT2015503	Avik Kumar Sen	3.76

Dean's List

Dean's List (iM.Tech.) August 2016

The Dean's List at IIIT-B honors the students who have attained a cumulative GPA of 3.60 or above. The list is updated twice during the year.

Batch 2012

Roll No	Name	CGPA
IMT2012004	Ananth Murthy	3.84
IMT2012007	Anusha P S	3.84
IMT2012010	Chandan Yeshwanth	3.78
IMT2012036	Reijul Sachdev	3.97
IMT2012046	Tanmayee Narendra	3.82

Batch 2013

Roll No	Name	CGPA
IMT2013004	Aditya Sanjay Paliwal	3.71
IMT2013008	B.Laasya	3.89
IMT2013012	Devarsh K U	3.80
IMT2013018	Komaragiri Vasundhara	3.60
IMT2013021	Kumaresh Krishnan	3.86
IMT2013025	Meghana M Reddy	3.64
IMT2013027	Nigel Steven Fernandez	3.61
IMT2013044	Simran Bimal Dokania	3.72

Dean's List



International Institute of Information Technology Bangalore

Dean's List (iM.Tech.)

August 2016

The Dean's List at IIIT-B honors the students who have attained a cumulative GPA of 3.60 or above. The list is updated twice during the year.

Batch 2014

Roll No	Name	CGPA
IMT2014004	Ahmad Shayaan	3.75
IMT2014018	G. Neha	3.86
IMT2014024	Indu Ilanchezian	3.96
IMT2014034	Meghana Kotagiri	3.85

Batch 2015

Roll No	Name	CGPA
IMT2015002	Abhiramon R.	3.83
IMT2015003	Aditya Ankush	3.75
IMT2015041	Suraj Singh	3.63
IMT2015044	Utkarsh Agrawal	3.70
IMT2015504	Aparna D. Nair	3.70
IMT2015512	Krishna Nagaraja	3.91
IMT2015517	Pranav Aggarwal	3.75
IMT2015523	Vinay Chandrasekhar K	3.87

Dean's List

Dean's List (iM.Tech.) August 2016

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IMT2015041	Suraj Singh	3.63
IMT2015044	Utkarsh Agrawal	3.70
IMT2015504	Aparna D. Nair	3.70
IMT2015512	Krishna Nagaraja	3.91
IMT2015517	Pranav Aggarwal	3.75
IMT2015523	Vinay Chandrasekhar K	3.87



events

CONVOCATION



FOUNDATION DAY



16th Foundation Day was celebrated on September 15, 2015. The Guests of Honours for the event were, Mr. K. Dinesh, Infosys Co-Founder, Infosys Technologies Ltd., Dr. Rajeswari, Director, Quality Networking of Profession Education RGUHS, Ms. Supriti, Vice Chairperson, SPICMACAY.



The Celebration included the Director's welcome speech, speeches by the Guest of Honour, cake Cutting, a cultural programme and dinner.



SPANDAN

Spandan, the intra-collegiate sports fest, was held during March 4 to 6, 2016.

Sports events such as Basketball, Football, Cricket, Badminton, LAN games and Gully Cricket were conducted. Few new games were introduced this year such as 3-3 basketball games and one-minute games.

Community Radio was introduced for the first time as part of the event.

Musical night, Treasure hunt and Mini-marathon also arranged as part of Spandan.



SPANDAN (contd.)



ALUMNI DAY



IIT-B Alumni Day 2016 was on February 7. Reliving the memories of the past and letting the feel of nostalgia grow, IIT-B's alumni had great fun on February 7, while showing off their favourite spots within the college campus to their family members. The event was attended by more than 130 alumni along with their family making the event a huge success.

The Main Classroom (MCR), which was the primary venue of the event, was jam-packed throughout the indoor sessions. The professors of IIT-B stole the show with their unbeatable wits and humour while the post-lunch session of 'startup stories of IIT-B entrepreneurs' was yet another most appreciated session.

Student volunteers supported the "kid-zone" for the event, where the small children of the alumni, who came along with their parents, were attended to. The event went on in the evening, when the alumni interacted with current students. The day proved to be a good networking event for the alumni and current students.

TECH FEST / HACKATHONS



April-The team "Spark (Anisha Lunawat (MT2014006), Sanyam Jain (MT2014104)) has won the first runners up prize at the Philips Hue Hackathon



Feb-first prize in Hilti Mobile App Hackathon 2016 (Malay)



Jan-Bluemix Hackathon



March civic tech hackathon



November - appliftsatathon winners



Broadcom IoT hackathon winners

TECH FEST / HACKATHONS (Contd.)



Code the Future Hackathon Winners -
Conducted by Wipro Digital



DreamWorks Hackathon - Winning Team (Tech Pandas)



Students who were awarded by
The Societe Generale Global Solution Centre



Students who won GoCode hackathon hosted by
Goibibo.com



Winner of 24 hours hackathon conducted by Valonia,
IBM, Zorooms, Chefensa, Bhive

CULTURAL EVENTS



Information Society Student (ISS) club at IIT-B organized a live program of Kabir Project by Shabam Virmani, a filmmaker & artist and Vipul Rikhi, a poet, writer, translator and singer on August 26, 2015.

The Kabir Project consists of many ongoing journeys, exploring contemporary resonances of bhakti, sufi and baul poetry through songs, images and conversations.



SPICMACAY



DAYS CELEBRATED



IIT-B celebrated the 69th Independence Day on August 15, 2015. After the flag hoisting, the Director, S Sadagopan addressed the faculty, staff and students.

Students gave cultural performance during 69th Independence Day on August 15, 2015. On the occasion "Rang De Basant" movie was screened. The event concluded with flash mob on patriotic songs by students and comical skit on "Corruption in developing India".



events

Onam was celebrated on campus on August 28. Students celebrated by making a foral design, "Pookalam" on the floor. The ceremony started with lighting of the lamp by Professor Debabrata Das, Dean-Acedmenics and R & D. Students wore traditional outfit for the occasion and participated enthusiastically in several fun games such as bursting the balloon, musucal chairs and vadam vali.





campus visitors

CAMPUS VISITORS



Prof. (Dr.) R. Venkata Rao



Prof. (Dr.) O.V. Nandimath

July 2015

- Prof. (Dr.) R. Venkata Rao, Vice-Chancellor and Prof. (Dr.) O.V. Nandimath, Registrar of the National Law School of India University, Bangalore.
- Mr. Sean Blagsvedt, Founder and CEO of Babajob.com.
- Ms. Pamela Kumar and colleagues from Cloud Computing Innovation Council of India (CCICI).
- Dr. Ed Cutrell, Senior Researcher and Head of the Technology for Emerging Markets group, Microsoft Research India.



Mr. Sean Blagsvedt



Ms. Pamela Kumar



Dr. Ed Cutrell

August 2015

- Dr. Sarv Saravanan, SVP & MD of EMC India & China Centers and Dr. Niranjana Thirumale, Chief Technology Officer, EMC India Center of Excellence.
- Mr. Ganesh Narayanasamy, OpenPOWER Leader, Education & Research IBM ISDL.



Dr. Sarv Saravanan Dr. Niranjana Thirumale

Mr. Ganesh Narayanasamy

September 2015



Mr. Vincent LIM



Mr. Kristoffer Brix Bertelsen



Ms. Twinkle Jawrani

- Mr. Vincent LIM, General Manager, Public Sector, Enterprises Group, Hewlett-Packard Asia Pacific & Japan.
- Mr. Kristoffer Brix Bertelsen, Counsellor - Innovation & Research, Embassy of Denmark and Ms. Twinkle Jawrani, Consultant - Innovation Center Denmark, Embassy of Denmark

CAMPUS VISITORS



Dr. Michael May,



Ms. Gayana Williams



Mr. Sidney Frank



Mr. Pranab Prakash Das



Mr. Pradeep Jena



Mr. M. N. Vidya Shankar

October 2015

- Dr. Michael May, Head of Technology Field, Business Analytics & Monitoring (BAM) of Corporate Research and Technology Center, Siemens.
- Ms. Gayana Williams, Founder, If She Can I Can, Co-Founder at UX Careers Unlimited, Founder of Swash Consulting
- Mr. Sidney Frank, Consul General, Consulate General of Canada in India and Mr. Maher Doleh, Consul and Trade Commissioner, Consulate General of Canada in India.
- Mr. Pranab Prakash Das, Hon'ble Minister for IT & Energy, Government of Odisha, Mr. Pradeep Jena, Principal Secretary IT, Government of Odisha, Mr. Bhaskar Jyotu Sarma, CEO, Odisha Computer Application Center along with Mr. M. N. Vidya Shankar, IAS (R), President, IESA, Former Additional Chief Secretary, GoK.

November 2015

- President Mr. Sheldon Levy, Ryerson University, Canada
- A business delegation from Chile, consisting of 25 people.



Mr. Sheldon Levy

December 2015

- Delegation from Guizhou International Investment Corporation (GIIC), China

January 2016

- Students and Faculty member from Texas A & M University, USA.
- Dr. Kaveri Srinani, Director, CNRS Office in India, French Embassy, Service for Science and Technology.

February 2016

- Prof. Gerard Berry, College de France.



Dr. Kaveri Srinani



Prof. Gerard Berry

CAMPUS VISITORS

March 2016

- Mr. Krishna Kumar, CEO of MindTree.
- A delegation from Japan consisting of Mr. Akihiko Shinozaki, Professor, Kyushu University, Japan, Mr. Keiji Okegawa, Deputy Director, Japan Productivity Center and Mr. Yuki Tanabe, Reseracher, IFIT, Japan.
- A team of senior members from Huawei, R&D Center.
- A team from British Library Head of Asia and African Collection, Headed by Dr. Catherine Eagleton.



Mr. Krishna Kumar



Dr. Catherine Eagleton



Prof. Haripriya Rangan



Dr. Manish Gupta

April 2016

- Prof. Haripriya Rangan, Director, Research and Academic Programs at the Australia India Institute and Principal Fellow with the University of Melbourne's School of Geography

May 2016

- Dr. Manish Gupta, VP and Director, Xerox Reserch Center India.

GUEST TALK

August 2015

1. August 6: "The policy and programmes of the Singapore Government on using ICTs in government agencies," by Mr. Ashok Kumar Seetharaman, Director, e-Government Leadership Centre, National University of Singapore.
2. August 12: "Compact Representation of Images and Videos for Semantic Classification and Large Scale Retrieval," by Mr. Konda Reddy, Ph.D. scholar at Video Analytics Lab, IISc, Bangalore.
3. August 12: "Eye of the Dragon: Discriminatively minimalist representations for visual object categories," by Mr. Ravi Kiran, Ph.D. scholar at Video Analytics Lab, IISc, Bangalore.
4. August 12: "Planning your own venture: Understand the 6 Essentials," by Mr. Satish Mantripragada, Adjunct Faculty and entrepreneurship coach at MIT Sloan School of Management.
5. August 26: "Verification of Automated Systems and Controller Synthesis," by Dr. Amit Kumar Dhar, Post-doctoral researcher in Computer Science at Université Libre de Bruxelles, Belgium.
6. August 28: "A Stackelberg Game Approach for Improving Participation in Online Educational Forums with Heterogeneous Student Population," by Dr. Rohith D. Vallam, Ph.D. Indian Institute of Science, Bangalore.

September 2015

7. September 2: "Affect Recognition of Groups of People in Images," by Dr. Abhinav Dhall, Postdoctoral Fellow, University of Canberra and adjunct research fellow, Australian National University (ANU).
8. September 3: "Design of electronic voting machines (EVMs) for the Indian elections," by Captain S. Prabhala, Former Chairman and Managing Director, Bharat Electronics Limited (BEL).
9. September 14: "Wireless Sensor Networks: Security, Protocols and Countermeasures" by Professor Rakesh Mohan Verma, Director, REMIND Lab, University of Houston and Distinguished ACM Speaker.

10. September 18: "Ranking verification counterexamples: An invariant guided approach" by Professor Ansuman Banerjee, ISI Kolkata.
11. September 23: "A Geometric Approach to Graph Isomorphism" by Mr. Pawan Kumar Aurora, Ph. D. candidate in the department of Computer Science and Engineering, Indian Institute of Technology, Kanpur.
12. September 30: "Topological Simplification of Multivariate Data" by Dr. Amit Chattopadhyay, Research Associate, Indian Institute of Science, Bangalore

October 2015

13. October 9: "Transformational Opportunities for Healthcare enabled by Information Technology" by Dr. Manish Gupta, VP, Xerox Corporation and Director, Xerox Research Center India.

November 2015

14. November 4: "Reduction Techniques for Nondeterministic and Probabilistic Systems" by Dr. Arpit Sharma, Postdoctoral Researcher, Department of Statistics, Computing and Applications (DISA), University of Florence, Italy.
15. November 4: "Sampoorna Panchayat Work Flow Automation and Community Portal" by Dr. Shankara Prasad, Founder and Managing Trustee of Sampoorna Swaraj Foundation.
16. November 18: "What satellites can reveal about our past" by Dr. M. B. Rajani, Faculty, National Institute of Advanced Studies (NIAS), Bengaluru
17. November 20: "Mathematic Morphology in Cartography: by Professor B. S. Daya Sagar, ISI, Bengaluru.
18. November 23: "Learning Networks from Data" by Dr. Indrajit Bhattacharya, Research Scientist, Business Analytics and Mathematical Sciences, India Research Laboratory, Bengaluru, India.
19. November 23: "Learning Networks from Data," by Dr. Indrajit Bhattacharya, Research Scientist, Business Analytics and Mathematical Sciences, India Research Laboratory, Bengaluru, India.

December 2015

20. December 2: "Mobile Data Management using Incentive Schemes," by Dr. Anirban Mondal, Senior Research Scientist in Xerox Research Center India.
21. December 10: "Modeling Of Futuristic Mosfets: Device Modeling And Compact Modeling Perspectives," by Dr. Aditya Sankar Medury, Postdoctoral research, BSIM (Berkeley Short channel IGFET Model) Group, EECS

GUEST TALK

Department, University of California at Berkeley.

22. December 15: "Beyond "Impact" Models: India and South Africa in the Age of Globalization," by Professor Gillian Hart, Professor of Geography and Chair of Development Studies, University of California, Berkeley and Visiting Professor in the Centre for Indian Studies in Africa (CISA), University of the Witwatersrand in Johannesburg.
23. December 16: "Fulfilling everyday life information search (ELIS) needs using social media," by Dr. Preeti Mudliar, Research Scientist with the Human Interactions lab at Xerox Research Centre India.
24. December 17: "An efficient regularized knn-based weighted twin support vector regression," by Dr. M Tanveer, Postdoctoral Research Fellow at Rolls-Royce@NTU Corporate Lab, School of Computer Engineering, NTU Singapore.
25. December 18: "Ramanujan The Inspirational Story and A Glimpse of his Mathematics," by Professor Ken Ono, Emory University. January 2016
January 11: "5G: What Can We Learn From The Previous Four Generations?," by Dr. Henning Schulzrinne, Columbia University and FCC.

January 2016

27. January 28: "Building cyber competencies to master critical risks in a hyper connected world: a Swiss perspective," by Professor Solange Ghernaouti, University of Lausanne.

February 2016

28. February 3: "Identifying visible and invisible structures in explaining global patterns of Web Use," by Professor Harsh Taneja, Assistant Professor, Missouri School of Journalism.
29. February 3: "Communication Technology and People at the Margins: Mapping Social Changes and User Experiences," by Dr. Rajeev George Aricat, Postdoctoral fellow, Nanyang Technological University.
30. February 17: "Visual domain adaptation - graph theoretic approaches" and "Image

foreground extraction - mid-level feature mining for one-shot learning," by Dr. Biplab Banerjee, Post-doctoral fellow at the Image group, GreyC CNRS UMR-6072.

31. February 27: "Detection algorithms for large-multi antenna systems and generalized spatial modulation," by Dr. Tanumay Datta, post-doctoral researcher at Laboratoire des Signaux et Systemes, Centrale Supélec, France.

March 2016

32. March 2: "Automata and logics for data and cost," by Dr. Amaldev Manuel, visiting faculty member at the Chennai Mathematical Institute, India
33. March 9: "Scheduling in Large Scale Mobile Systems," by Dr. Joy Chandra Mukherjee, Research Associate in the Department of Computer Science and Engineering at Indian Institute of Technology Kharagpur, India.
34. March 16: Professor Ashish Choudhury gave a public talk titled "Alice and Bob go Public: What Brings Diffie and Hellman Turing Award 2015" on March 16, 2016 at IIIT-B.
35. March 16: "Parameterized Complexity of Max-Conflict Free Coloring," by Dr. Pradeesha Ashok, Post-doctoral Fellow in the Theoretical Computer Science group at Institute of Mathematical Sciences, Chennai.
36. March 18: "Internet Assigned Numbering Authority (IANA) Stewardship Transition," by Mr. Samiran Gupta, India Head-Internet Corporation for Assigned Names and Numbers (ICANN).
37. March 19: Professor Jyotsna Bapat gave a talk at RV College, Bangalore on "LTE: Introduction and Advances" on March 19, 2016.
38. March 23: "Stochastic Models For System-Level Performance Analysis of Embedded Systems," by Dr. Balaji Raman, formerly Research and Development Software Engineer at Mentor Graphics in the Grenoble area, France.
39. March 30: "Distributed Computation in Dynamic Networks", by Dr. Anisur Rahaman Molla, Postdoctoral Researcher in the Department of Computer Science at University of Freiburg, Germany

April 2016

40. April 6: "High Performance Parallel Programming on Modern Processors," by Dr. Vivek Kumar, a research scientist at Rice University.
40. April 7: "Privacy Laws and Regulation," by Mr. Sunil Abraham, the Executive Director of Centre for Internet & Society (CIS).

GUEST TALK

42. April 13: "High-Level Synthesis with Cross-Layer Interactions for Effective Design and Verification of Accelerators," by Dr. Swathi Gurumani Tanjore, Principal Research Engineer with the Advanced Digital Sciences Center (ADSC), Singapore, and Senior Research Affiliate with Coordinated Sciences Laboratory, University of Illinois at Urbana-Champaign.
43. April 20: "A Geometric Approach to Graph Isomorphism," by Dr. Pawan Kumar Aurora, post-doctoral research in the Department of mathematics and computer science at the Freie Universität Berlin
44. April 26: "Knowledge management at the periphery: Initial reflections," by Mr. Linus Kendall, Ph.D. researcher at Sheffield-Hallam University.
48. July 25: "Technology for Emerging Markets (TEM) research: Mobile Payments," by Ms. Jacki O'Neill, Microsoft Research India, Bengaluru.
49. July 25: "Gaming for Policy Making - Indian Energy Game," by Mr. Vardhan Varma, Fields of View, Bengaluru.
50. July 27: "Understanding the Genesis of IT in India with Itihaasa Digital Museum," by Dr. N. Dayasindhu, Program and Research Management, Itihaasa Digital Museum.
51. July 28: "The role of technology in facilitating social interventions," by Mr. Sham Kashyap, Head of Research, Grassroots Research and Advocacy Movement (GRAAM).
52. July 28: "Is technology deepening the divide in our cities?," by Mr. Vinay Sreenivasa, Alternative Law Forum, Bangalore.

May 2016

45. May 10: "Explaining trust in e-voting: The case of Indian elections," by Professor Chrisanthi Avgerou, Head of the Information Systems and Innovation Group and Dr. Silvia Masiero of the London School of Economics and Political Science (LSE).

June 2016

46. June 27: "Parameterized Modeling and Model Order Reduction," by Dr. Elizabeth Rita Samuel, Ph.D. from Gent University, Belgium.

July 2016

47. July 5: "Creating a Learning Society: A New Approach to Growth, Development, and Social Progress," by Professor Joseph E. Stiglitz, Columbia University, recipient of the Nobel Memorial Prize in Economic Sciences (2001).





outreach

OUTREACH

The Outreach program at IIT-B refers to its programs and association with the industry. IIT-B has had a close association with the IT industry ever since its inception at the turn of the millennium. Industry continues to play a big part

in the growth and development of the Institute as it draws on the Institute for IT talent and joint research. There are several ways in which Industry and the Institute can partner for mutual benefit. The outreach program at IIT-B has the following activities:

PLACEMENT

The institute facilitates the placement process each year for the benefit of its students. The Placement process covers both internship and full time employment (FTE). Since the founding of the Institute in 1999, IIT-B has enjoyed 100% placement each year on account of the strong

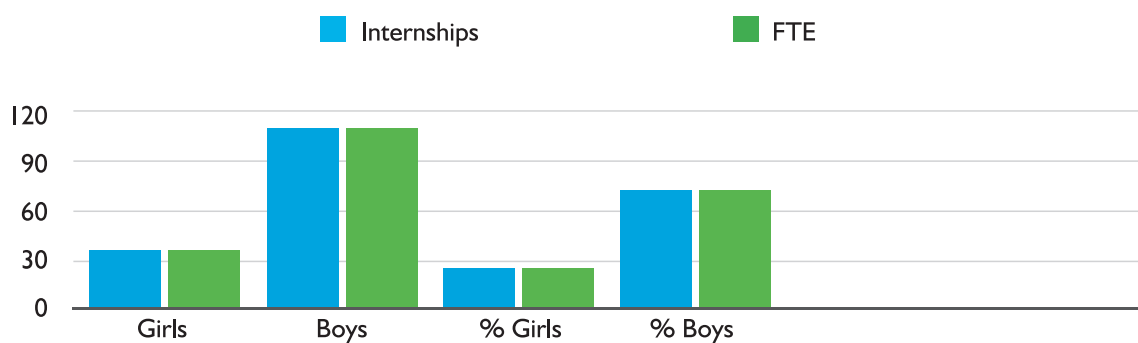
support of the IT Industry and a growing base of talented alumni. The placement season, for both internship and FTE, usually opens in August/ September, when the companies and the institute get in touch and eventually schedule a date for placements in the coming months.

Summary of Programs

Program	Duration	Approximate no. of Students	Internship period	full time employment
M.Tech	2 years	140	6 months (Dec - Jun)	From July
IM.Tech	5 years	50	2.5 months (May-Jul) summer internship not continued to FTE	From July
M.Tech (ESD)	2 years	30	6 months (Dec - Jun)	from July
M.Sc. (DT)	2 years	20	6 months (Dec - Jun)	From July

Internships and placements stats for 2013-15

Total number of students: **137**



% of girls with industry internship: **94.4**

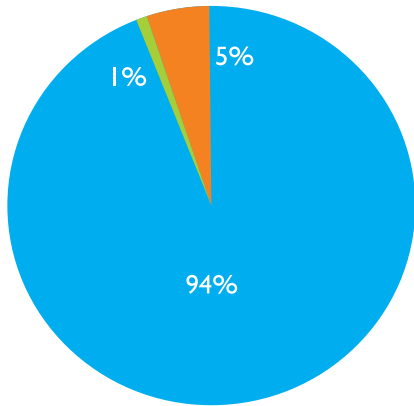
% of girls who did thesis: **5.56**

% of girls placed: **94.44**

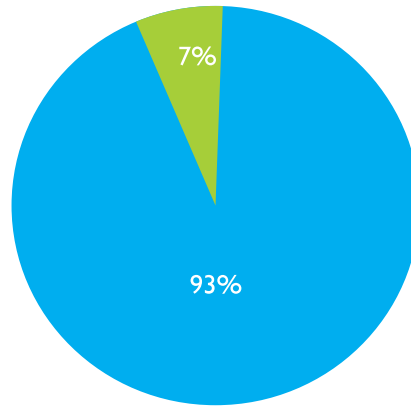
% of girls opted out: **5.56**

■ Placed

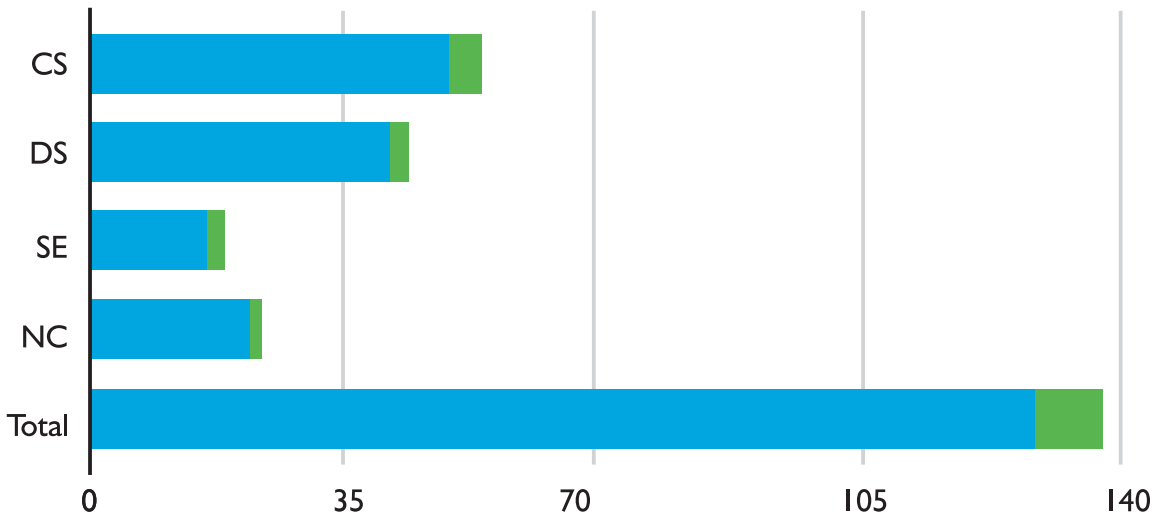
■ Opted out



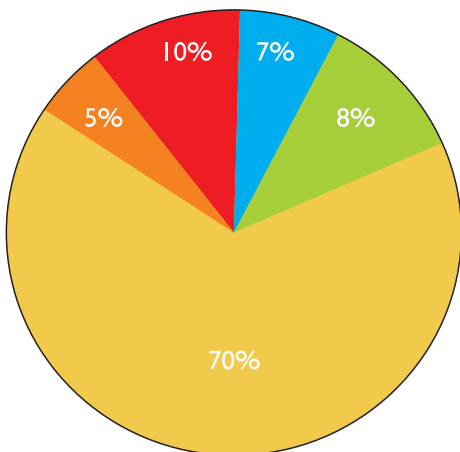
- Internship
- Exchange Program
- Thesis



- Received FTE
- Opted out

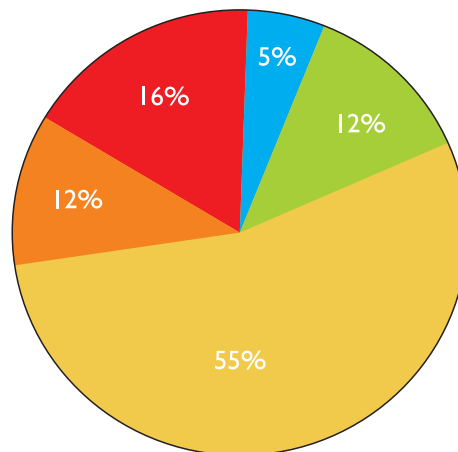


Total number of companies internship : 30

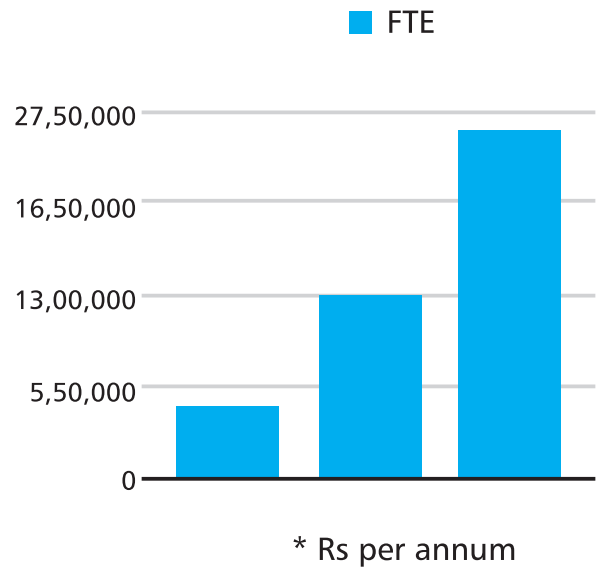
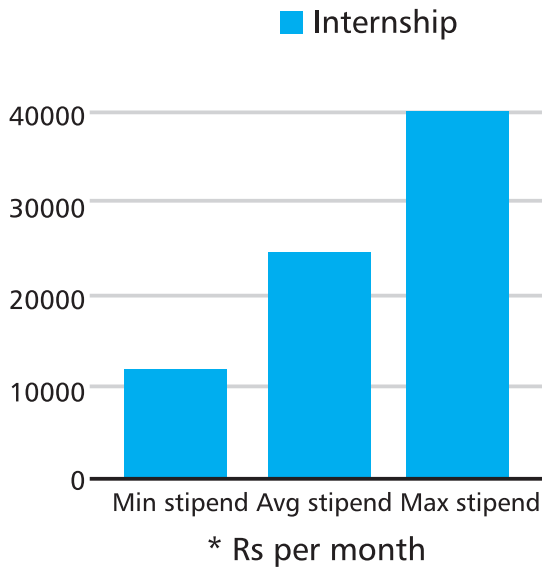


- Academics
- R & D
- IT - Product
- IT - Services
- BFSI

Total number of companies for FTE : 40



- Academics
- R & D
- IT - Products
- IT - Services
- BFSI



Joint Research & Consultancy

Since its inception, outreach has played a vital role in bringing together Government Agencies, Universities, Industry, faculty and students for research projects, resulting in important contributions to design and development of the implementation of ICT in the country and across the world. The consultancy service of IIT-B facilitates, coordinates and administers Sponsored and Consultancy projects. It also identifies and protects IP rights and manages transfer of technology and commercialization.

- Various types of consultancy are undertaken including:
- Technology assessment / management, project assessment
- Product/process design/development
- Simulation/modeling/optimization
- Software development
- Retainership of faculty in advisory capacity over specified periods
- Troubleshooting/testing

Alumni Program

Alumni represent another very important stakeholder community for the institute and its future. We have around 2,000 alumni who are in leading companies as well as successful entrepreneurs. We connect with our alumni in various ways such as research collaborations, star lectures by distinguished achievers, mentorship activities and knowledge sharing sessions with current students. Alumni activities are run by the Alumni Council, a body elected by the registered alumni supported by the student alumni committee.

Executive education for IT Professionals

We have various customized and calendarised executive education programmes for the working IT professional. One such is the three month weekend certificate course on Analytics Essentials. IIT-B has conducted programmes specifically tailored for the requirements of several companies. IIT-B is currently conducting an M.Tech. programme for the employees of Samsung.

Scholarships:

Scholarships are available for all Ph.D. and Masters of Science by Research students. They are also available to approximately 15-20% of the M.Tech. students and to approximately 25% of iM.Tech. students. The selection based on student accomplishments in academic as well as other areas and interviews. We welcome Industry to offer scholarships to our students.

Advisory Board:

Many members of the industry are a part of our advisory board where they share their views and ideas in order to help the institute understand the current trends and needs of the industry.

Corporate Social Responsibility:

Industry is invited to support the Institute as part of its CSR initiatives. Apart from our educational activities, our incubation centre (IIT-B Innovation Centre), founded in 2009, is eligible to receive funds under the definition of CSR as per the law. It has already graduated around a dozen startup companies, and is currently incubating several technology startups in areas such as Medical Devices, Aadhaar based devices for financial inclusion, social media and smart metering solutions.

IIT-B is among the earliest to be set up in the Public Private partnership Model. The government of Karnataka supported us with gift of land and grants for buildings. The industry has supported with corpus donations, chair professorship, scholarships and support for research. We do not receive any grants from government for operating expenditure, still we are able to maintain a moderate student fees due to the support we receive from industries in the form of CSR.

The Industry can account for this expenditure under the mandated CSR activity. In case the industry does not want to use CSR funds, but account the grant/donation as expenditure in the books of accounts, the industry will get benefits under section 35 (1)(2) of the IT act which enables the industry to account 175% of the donation as allowable expenditure and reduce the income tax substantially.

innovation centre



IIIT-B Innovation Centre is Nurturing Startups since 2009

Hosted in Bangalore's Electronics City, IIIT-B Innovation Centre is a hub for ICT4D entrepreneurship, innovation and research. Incorporated in the year 2009 as a Section 25 company with support from the Ministry of Information.

Technology (Government of India), the major objectives of this company are:

- To support and incubate new ventures from those outside IIIT-B which can realize a synergetic partnership with the institute faculty and students
- To promote commercialization of IP generated by faculty and students of the Institute - by incubating their ventures
- To encourage Industry to set up R&D centres in which their staff can work closely with faculty and students of the institute on joint R&D projects

IIIT-B for Startups, an entity within Innovation Centre, is focused on nurturing entrepreneurs and their ventures, right from idea stage. IIIT-B Innovation Centre is one of innovation / incubation centers approved by Governments of India and Karnataka. More details are available at the following government websites: List of Incubators Supported by DST, DEITY-TIDE, Prime Minister's MyGov Initiative and Department of IT-BT, Karnataka.

About I-MACX

While government and social sectors could benefit significantly from the adoption of emerging technologies (like IOT, Data Analytics, Mobile Apps, SaaS), these are typically under served.

- Government technology initiatives like ePDS, PAN, EHR/EMR standards, Aadhar, UPI, RuPay – are few and far between
- Non-existent civic-sector focused tech-startup ecosystem: Khosla Labs, MIT Media



Labs' Kumbhathon, USF (Unitus), GoSylvant, IIT Chennai's RTBI are notable ones

- Individual government departments and NGOs (especially at state-level, during times of disaster / emergencies) look out for guidance / support in their technology needs.
- Many complementary partners / solutions need to be assembled
- Very few successful (in commercial terms) social enterprises: Janaagraha, Babajobs, MapMyIndia, NextDrop, IdeaForge, Center for Internet & Society, SocialCops, EkStep, MapUnity
- There is a need to inspire, enable and accelerate startups to come up with solutions that address the needs of these sectors

Mission

I-MACX (IOT -to- Mobility Apps for Community Excellence), an initiative of IIT-B for Startups, focuses on accelerating civic excellence through the intelligent use of emerging technologies, I-MACX aspires to create an ecosystem that nurtures socially relevant / civic tech ventures that:

- Serve our society and its citizens
- Re-imagine the ways governments and corporations function
- Function as extended arm of governments and corporations - thereby making the services available and accessible to citizens

To this end, I-MACX collaborates with various industry associations, social / civic organizations, independent experts and offers various programs / mentoring sessions to aspiring entrepreneurs / inspiring ventures to succeed.



clubs & committees

IIIT-B CLUBS AND COMMITTEE

Branding Team

Ashish	Arnaj
Jitendra	Pranav
Juhi	Anagha
Meghana	Aparna
Surya	Sulekha
Aditya	

Chhayachitra

Aman	Bhargav
Naresh	Supromit
Satwik	Shayaan

Placement Committee

Anand	Ananth
Ashhadul	Daksh
Mayank	Naresh
Nabi	Prerit
Priyanka	Pragya
Sahithi	

Food Committee

Anagha	Akanksha
Mounika	Sathyanarayan
Vaibhav	Vijay

Movie Committee

Anup	Nikunj
------	--------

Student Activity Committee

Avinash	Arjun
Priyanka	Anamika
Srinivasan	Tanya
Abhijnu	Sriveda

Food Committee

Anagha	Akanksha
Mounika	Sathyanarayan
Vaibhav	Vijay

Music Club

Aneesha	Satwik
---------	--------

Magazine Club

Aparna	Anshuk
Anup	Kavya
Kedar	Shivam
Rahil	Vaishnavi
Shreya	Raghav
Udhbav	

Internet Committee

Chanda	Gaurav
Mahendra	Vikas

Comic Club

Anshul	Udbhav
Anup	Raghav

Students Alumni Committee

Adnan	Harika
Gaurav Koley	Kritika Meenal
Niwin Prerit	Rajavaram Samayak

ISoC

Angshuman	Dakshayani
Sharwani	Vineet

Dance Club

Gayathri	Harika
Himank Kansal	Likhita
Meghana	Mounika
Mayank	Rachana
Surya	

SPIC MACAY

Kedar	Mahathi
Soumya	Surya
Vasundhara	

Aikyam

Likhitha	Mahati
Shashank	Vineet



new initiatives



NEW INITIATIVES

1. New programme in M.Sc. (Digital Society) was launched in August 2015.
2. Nine-month-long Post Graduate Diploma in Data Analytics in partnership UpGrad was launched as part of Executive Education for working professionals.

Date of commencing of the program:
May 31, 2016.

Date on which programme will conclude:
April 10, 2017.

PG Diploma in Data Analytics Details

No. of Total Responses (total leads for the first batch)	6,000
No. of Applications	1,400
No. of Students Enrolled	296
No. of Students Still Studying	289

3. Infrastructure addition includes Bhaskara building with 600 rooms, kitchen, food court, multi-purpose hall, doctor / counselor on call and indoor sports facilities.

No. of floors	Floor Ares	No. of Rooms
9	256,073	527

Bhaskara Hostel



MIIT faculty in IIIT-B



MIIT Building





MIIT faculty in IIIT-B

4. Mentoring MIIT

IIIT-B is the mentor institute for setting up the Myanmar Institute of Information Technology (MIIT) at Mandalay. This is being done as part of the Ministry of External Affairs (MEA) Development Partnership Project with Government of Myanmar. As part of the project, IIIT-B is expected help set up and manage MIIT for the first five years. MIIT currently offers two programmes:

a) Post Graduate Diploma in Software Development, which is a nine-month programme designed to get the graduate students, IT industry-ready. The first batch of the program started in October 2015, with a strength of 60 students.

b) B.E (Hons.) programme, which was launched on December 15, 2015 with intake of 120 students. The institute is also helping MIIT with the procurement process to ensure that their infrastructure is on the same lines as other top class institutions in India.

we welcome



WE WELCOME



Chetan D Parikh
Professor, July 2015

Prior to joining IIIT-B in July, 2015, he has been a faculty member at Indian Institute of Technology, Bombay, Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, and the Institute of Engineering & Technology at Ahmedabad University. He was also a Visiting Faculty at Purdue University and the University of Missouri, and worked at Motorola/ Freescale, Austin, Texas. Professor Parikh earned his Ph.D from the University of Florida, Gainesville, in Electrical Engineering.



Shiva Kumar Malapaka
Assistant Professor, July 2015

His Postdoctoral experience includes work at University of Colorado, Boulder; University Pierre and Marie Curie, Paris; University of Leeds, Leeds; Tata Institute Of Fundamental Research (TIFR), Centre For Interdisciplinary Sciences (TCIS), Hyderabad and University of Rome Tor Vergata, Rome. Professor Malapaka earned his Ph.D. from Max Planck Institute for Plasma Physics, Garching bei München and got his degree from University of Bayreuth, Bayreuth, Germany, in 2009.



Shivam Agarwal
Research Associate, July 2015

Shivam Agarwal joined IIIT-B in July as a research associate.



Raghavendra G.S.
Senior Research Fellow, July 2015

Raghavendra G S joined IIIT-B in July as a Senior Research Fellow



Jagadish Panduranga Patil
Chief Administrative Officer, November 2015

He has 29 plus years of experience in Manufacturing, Environmental & Service industries in India & Middle East. He led a large operations (Manufacturing/Service industries) and travelled across Middle East countries. As a State Head, led the operation of 24x7 Emergency service in Karnataka between June 2012 to October 2015. He has done his B.E. in Mechanical from Malnad College of Engineering, Hassan.

WE WELCOME



Akshatha P B

Assistant Manager Campus Facility Manager, November 2015

Prior to joining IIT-B, she worked in Smartfolks Inc, USA and also as a Software Engineer in Samcomm Technologies, Bangalore. She has received her B.E. degree in Electronics and Communication from Visvesvaraya Technological University, Belagavi. She is handling activities related to campus and facility management at IIT-B.



Sweety Vinod Agarwal

Research Associate, November 2015

She joined IIT-B in November as research associate.



Sachit Srinivasa Rao

Assistant Professor, December 2015

Prior to joining IIT-B, he was a faculty in the Aerospace Engineering department of Jain University, Bangaluru for a year. He has over three years of post-doctoral experience working in the areas of control of electric machines, swarms of dynamic agents, and guidance laws for tactical interceptors. He also has three years of industrial experience working for an Indian robotics company. He earned his Ph.D. degrees in Mechanical Engineering from the Ohio State University.



Parul Pandey

Content Writer and Social Media Officer, January 2016

Prior to joining IIT-B, she was a journalist for six years and has worked with The Times of India, The Statesman and Dainik Jagran. At IIT-B, Parul is responsible for Brand Management, Event Management and Social Media Marketing, Mobile App and Website Management, Content Development, Collateral, and other institute materials such as Annual Report, Newsletter, Brochures and Presentations. She has done Bachelor of Journalism and Mass Communication from Amity University, Lucknow.



Preeti Mudliar

Visiting Professor, January 2016

She specializes in qualitative and ethnographic methods and analyses to study people and their social contexts around technology use. Her research approach combines the rigors of field immersion with observation and interview techniques to reveal insights about technologies and social media use and practices. She earned her Ph.D. in Communication Studies from the University of Texas, Austin.



Sowmiya Nachimuthu

Trainee Software Engineer (OAES), January 2016

She is a Software trainee on the project "Online Assessment And Evaluation System". She has completed B.E in EEE from Bannari Amman Institute of Technology, Sathyamangalam. She has done her Post Graduate diploma in Software Development from International Institute of Information Technology Bangalore.

WE WELCOME



Amit Chattopadhyay

Assistant Professor, February 2016

He has worked as a postdoctoral fellow at Mechanics and Applied Mathematics (MEMA) department of Search Results Université Catholique De Louvain, Belgium and then at School of Computing of University of Leeds in U.K. His research interests include Computational Topology, Geometric Computation, Scientific Visualization, Graphics, Optimization on Matrix Manifolds and Level Set Method. He has earned his Ph.D. in "Certified Geometric Computation" from Johann Bernoulli Institute of Mathematics and Computer Science at University of Groningen in the Netherlands.



Vijayeta Sharma

Operations Officer Consultant, March 2016

Prior to joining IIIT-B, she worked with IDEA Cellular, Airtel, Rajasthan Patrika, Global Placements and Jaipur Institute of Foreign Trade. As Operations Management professional she has over 10 years of experience in both structured and unstructured environment in the Telecom and Media Industry. At Innovation Center, she is handling Startup Operations, Coordination with Startups and IIIT-B (Staff, Student and Faculties), Developing Procedures & Processes, Facility Management of Innovation Center Building, Process Quality and Compliance check and maintenance of high service standards for incubated and graduated Startups.



Onkar Hoysala

Research Associate, April 2016

He joined IIIT-B in April as research associate.



Commodore S R Sridhar (Retd)

Registrar, June 2016

He joined the institute after prematurely retiring from the Indian Navy after serving for 29 years. He was commissioned in the Indian Navy in August 1987 into the Education Branch of the Indian Navy and has held various important assignments including Registrar, Indian Naval Academy, Command Education Officer, Southern Naval Command, Kochi and Deputy Director, Naval Institute of Educational and Training Technology, Kochi. He joined IIIT-B in June as the Officer on Special Duty and took over as Registrar on August 12, 2016.



Vighneshwar Hegde

Trainee Accounts Officer, June 2016

He has worked with S K Sathyanarayana & Co as Chartered Accountants for one year and three months. He completed his CA three years article ship with M A Braganza and Associates.

we welcome

WE WELCOME



Usha Rani Vyasulu Reddy
Advisor, July 2016

Dr. Reddy earned her Ph.D. from Poona University, Poona. She is a former Professor and Director, Centre for Human Development, Administrative Staff College of India, Hyderabad, and former Director, The Commonwealth Educational Media Centre for Asia, New Delhi. Earlier, she was Professor of Communication and Director, Audio Visual Research Centre, Osmania University



Pradeesha Ashok
Assistant Professor, July 2016

Prior to joining IIT-B, she was a Postdoctoral Fellow at Institute of Mathematical Sciences, Chennai. She earned her Ph.D. from Indian Institute of Science, Bangalore.

we welcome

International Institute of Information Technology - Bangalore
26/C, Electronics City, Hosur Road, Bangalore - 560 100

Income and Expenditure Account for the year ended 31st March 2016

(Rs.)

31.03.2015	Income	Sch.No.	31.03.2016
11,88,28,977	Student Receipts	M	16,20,09,460
32,04,326	Project, Seminars & Workshops' Receipts	N	22,17,612
1,02,80,410	Interest on Bank Deposits		1,36,91,525
2,56,57,017	Other Receipts	O	2,70,21,448
-	MIIT Project Income	T3	1,56,05,867
15,79,70,731	TOTAL (a)		22,05,45,913
31.03.2015	Expenditure	Sch.No.	31.03.2016
9,27,05,531	Faculty & Staff Expenses	P	11,95,31,197
43,27,416	Library Expenses		43,45,645
1,18,07,095	Student Expenses	Q	79,26,446
2,24,90,830	Operations & Maintenance	R	2,94,18,972
4,13,660	Telephone & Internet Expenses		4,02,849
90,05,697	Administrative & General Expenses	S	1,95,45,940
-	MIIT Project Expense	T4	2,03,02,531
14,07,50,229	TOTAL (b)		20,14,73,580
1,72,20,501	Excess of Income before Interest, Depreciation and Exceptional item (a-b)		1,90,72,333
(7,83,333)	Interest on Term Loan		(1,48,19,176)
1,64,37,168	Excess of Income before Depreciation and Exceptional item		42,53,157
-	Exceptional item		(19,13,820)
(1,65,52,925)	Depreciation	E	(5,35,66,604)
(1,15,757)	Surplus/ (Deficit) for the year transferred to Revenue Account	L	(5,12,27,267)
	Significant Accounting Policies & Notes forming part of Accounts	U	

As per our report of even date

For International Institute of Information
Technology - Bangalore

For Rao Associates
Chartered Accountants
Firm Reg. No. 003080S

S. Sadagopan
S. Sadagopan
Director



Sandeep S Shekar

Sandeep S Shekar
Partner
Membership No. 232631

Place: Bangalore
Date: September 1, 2016

eAnalysis

Corporate Services Infrastructure Devices Apps Manufacturing Policy Enterprise

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By Divyanshu Divyanshu November 20, 2015, 5:32 pm

Infosys Foundation Announces Rs 56 Cr Grant To IIIT-B, IISc, IBAB, CMI, ICRIER, Presidency, AIIMS & IIM-A

Infosys Foundation, the philanthropic arm of Infosys today announced Rs 56 crore grant for instituting 11 faculty chairs at eight leading academic institutes across India over the past 12 months.

The Foundation has provided grants ranging from Rs 3 crore to Rs 33 crore for setting up the chairs with a total commitment of Rs 56 crore. The donated fund will be used for research in areas such as obstetrics, gynecology, agriculture, economics, mathematics, technology, biology, rural development and cancer.

The beneficiaries are International Institute for Information Technology - Bangalore (IIIT-B), Institute of Information Technology (IIT), Institute of Bioinformatics & Biotechnology (IBAB), Centre for Mathematical Sciences (CMI), Indian Council for Research in Promotional Studies (ICRIER), Presidency University, All India Institute of Medical Sciences (AIIMS) and Indian Institute of Management (IIM-A).

Sudha Murty, chairperson, Infosys Foundation

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THE TIMES GROUP

e-paper

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Read 1 Time(s)

Jul 06, 2015; The Times of India (Bangalore)

Alumnus gives \$100,000 to IIIT-B

148 Students Get Degrees At 15th Convocation Of Tech Institute

His firm may be no unicorn, but a \$20million annual turnover within four years is not a lean achievement for Uday Hegde, an alumnus of the International Institute of Information Technology, Bangalore (IIIT-B). It is time to give something back to the place that, he says, made him. Uday told TOI he is giving IIIT-B a \$100,000 fund for a scholarship for students - it's something, he says, the institute's director Prof S Sadagopan had wanted the alumni to be capable of doing. "It was his dream that the institute creates bright and capable alumni who can afford to pay the tuition fee of students through scholarships and I am happy I am able to do that," said Uday, who belongs to the institute's first batch. His gesture too couldn't have come on a better day. Sunday was IIIT-B's 15th convocation, which saw 148 students (7 PhDs, 5 MS & 136 MTech) graduate, taking the institute's alumni strength to over 2,000.

as a Red Herring Top 100 North America winner, an award that recognizes leading private companies from the region, technologies across their respective industries.

New Jersey, Texas, Bengaluru and Beijing, USEReady employs 140 people.

Ready is among the leading providers of selfservice business intelligence solutions. "Our proficiency is in analytics, achieve this through innovations in the field of Business Intelligence Governance," he says. Proud of his successful track record, he says, "I am proud of my success in the field of Business Intelligence Governance."

It is today without a trust-based relationship between the governing body and the executive. "We look forward to a future where the governing body and the executive are not just in the same boat but are rowing together."

ECONOMIC TIMES

Hardware

Tech Hardware Software Internet ITES

ET Home Tech Hardware

MARKET STATS

28 AUG EOD

SENSEX 27,782 -53.66

NIFTY 50 8,572 -19.65

BOBSEI (BOBSEI) 30,982.0 54.0

BOBSEI/INDIA 67.06 0.00

EasyM2M to launch wearable device VristPhone for miners; has real-time tracking, WiFi

Malavika Murali, ET Bureau | Jun 16, 2015, 10:44 AM IST

Post a Comment

More on West Bengal | Skype | Nasscom | EasyM2M Technologies | coal producer

Shankrutiya Hamadar works eight hours every day four kilometres from the underground coal mines in West Bengal. The 44-year-old miner is among the 4,000 miners in the coal fields (ECL), a coal mines in West Bengal.

Miners generally have just one phone or an older mobile phone to communicate with the world above the surface.

THE HINDU

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Cities Bengaluru Chennai Coimbatore Delhi Hyderabad Kochi Kozhikode Kolkata Madurai Mangaluru

Updated April 18, 2016 05:32 IST

App chronicling history of Indian IT since 1950 launched

BENGALURU, April 18, 2016

However, Bengaluru, ranked No 15 in the start-up ecosystem map, is challenging the extant model of public transport in various ways through technology interventions.

It is specifically at how the technology-enabled taxi aggregation is challenging the extant model of public transport in various cities, especially Bengaluru, which while being the start-up capital is also a major hub for technology interventions.

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DECCAN HERALD

Sunday 28 August 2016
News updated at 12:57 PM IST

Home | News | Now Delhi | Business | Supplements

JNU rape case: Varsity suspends students

How app-based taxis are advantageous

There have been numerous criticisms of Indian start-ups missing the mark, but Bengaluru, ranked No 15 in the start-up ecosystem map, is challenging the extant model of public transport in various ways through technology interventions.

It is specifically at how the technology-enabled taxi aggregation is challenging the extant model of public transport in various cities, especially Bengaluru, which while being the start-up capital is also a major hub for technology interventions.

It is a look specifically at how the technology-enabled taxi aggregation is challenging the extant model of public transport in various cities, especially Bengaluru, which while being the start-up capital is also a major hub for technology interventions.

THE TIMES OF INDIA

TECH

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Pros take the e-way to upgrade skills

opalan Venkataraman | TNN | Jun 25, 2015, 12:41 PM IST

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Cities Bengaluru Chennai Coimbatore Delhi Hyderabad Kochi Kozhikode Kolkata Madurai Mangaluru

Updated March 13, 2016 17:39 IST

Coding for a better Bengaluru

Upcoming Projects B'lore - 2/3BHK - In Electronic City - 4B, Bren Woods, Apartments@Just 45L.

www.bren.com/Bangalore/Upcoming+45L

Roti, kapda aur makan: the startup story

14 OCTOBER 2015

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Amazon is announcing its latest foray into fresh food and grocery delivery through its Amazon Fresh service. The omnipresent 'R' but Amazon is beginning in San Francisco, the battle for e-Roti has started!

Amazon India has announced its latest foray into fresh food and grocery delivery through its Amazon Fresh service. The omnipresent 'R' but Amazon is beginning in San Francisco, the battle for e-Roti has started!

ichangemycity

AMACX presents

CIVIC HACKATHON 2015

Code for change!

eta name

to find solutions to some of the city's problems, at the all-day

Notes





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