



INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY BANGALORE



- *Post graduate education and research in Information Technology*
- *World-class faculty, vibrant alumni community*
- *Cutting-edge research*
- *Close industry collaboration*
- *State-of-the-art campus infrastructure*



The Genesis

The International Institute of Information Technology Bangalore, a deemed-to-be university, popularly known as IIIT Bangalore, was established in 1999 with a vision to contribute to the IT world by focusing on education and research, entrepreneurship and innovation. The Institute is a registered not-for-profit society supported jointly by the Government of Karnataka and the IT industry.

Since its inception, IIIT Bangalore, with its unique model of education, research, and industry interaction, has grown in stature to become an institution of considerable repute in academic as well as corporate circles. The Institute works in partnership with the industry, while retaining the freedom of an academic institution. It is inspired by other renowned institutions, and strives to maintain an academic culture that is on par with the best.

Unique Factors

There are several factors that position IIIT Bangalore as a unique brand in the field of IT education and research. Some of them are:

Broad academic philosophy with regular curriculum review and appropriate use of technology which includes learning management systems (LMS), lecture capture solutions, automated assessments and so on.

Practice-oriented learning through project electives, lab work and internship.

Emphasis on research through centres of research such as E-Health Research Centre (EHRC), Centre for Data Sciences (CDS) and Centre for Information Technology and Public Policy (CITAPP) that foster multi-disciplinary research.

Entrepreneurial support through the Innovation Centre and startup ecosystem.

Excellent peer group with exclusive merit-based intake.

Global exchange and collaboration with universities including MIT, Boston; University of Berlin; Hof University, and others of international repute.

Student development through participation in institute initiatives such as alumni programmes, branding, placement, chhayachitra, magazine committee, comic club.

Leadership

The governing body of IIIT Bangalore consists of eminent personalities from the industry and reputed institutions from across the world. They come from diverse cultures, bring unique perspectives and together, they focus on a single goal — for the institute to play a key role in the global IT scenario with a focus on world-class education and research, entrepreneurship and innovation.



Mr. S. Gopalakrishnan is the Chairman of IIIT Bangalore's Governing Body. He holds a Masters degree in Physics and Computer Science from IIT Madras. He along with Mr. N.R. Narayana Murthy and five others founded Infosys in 1981.

Mr. S. Gopalakrishnan

Chairman Governing Body, IIIT Bangalore



Prof. S. Sadagopan, Director of IIIT Bangalore, is an alumnus of Madras University, India, and a Ph.D from Purdue University, USA. He taught for 25+ years at IIT Kanpur, IIM Bangalore, IIT Madras and IIIT Bangalore in addition to short teaching assignments at Rutgers, USA and AIT, Bangkok. He has authored several books, book chapters and papers. He writes extensively and is considered a visionary and thought leader.

Prof. S. Sadagopan

Professor & Director, IIIT Bangalore

IIIT Bangalore is an amazing institute where students are trained by scholars who are deeply committed to research, and this is the main strength of the Institute.

S. Sadagopan, Director, IIIT Bangalore

ACADEMICS

In 2005, the Institute was recognised as a “Deemed University” by the University Grants Commission of India (UGC India). With the added benefit of being an autonomous institute, where the Senate approves degrees and curricula to stay up to date with trends, IIT Bangalore has been at the forefront of ushering in the change. More than 2,500 students have graduated from the Institute since 1999, and serve in over fifty well-known IT product and services companies. The Institute alumni have also founded nearly 60 enterprises.

IIT Bangalore follows a very broad academic philosophy with the 3-tier approach of programme, course, and teaching, which distinguishes it from other educational institutions and creates opportunities to make an impact on academics at various levels.

Programmes	Courses	Teaching
<ul style="list-style-type: none"> • Strong curriculum design process • Curriculum review every three years • Feedback incorporated from past students, faculty members and industry 	<ul style="list-style-type: none"> • State-of-the-art courses in line with the current trends in technology • Core & elective courses • Special topics in electives • Project electives • Internships 	<ul style="list-style-type: none"> • Close interaction between faculty and students • Innovative pedagogy principles • Learning management system • Lecture capture solutions • Digital library

Academic Programmes



Integrated Masters Programmes - 5-year full-time programme after class 12	Masters Programmes - Programme after bachelors degree	Post Graduate Research Programmes - both full-time and part-time (for working professionals)	Continuing Professional Education - PG programmes designed for working professionals
Integrated M.Tech. (Computer Science and Engineering) Integrated M.Tech. (Electronics and Communication Engineering)	M.Tech. (Computer Science and Engineering (CSE)- 2 years) M.Tech. (Electronics and Communication Engineering (ECE) - 2 years) M.Sc. (Digital Society - 2 years) Sponsored M.Tech. (Computer Science and Engineering - 2.5 years)	Master of Science by Research Ph.D	PG Diploma - Data Science PG Diploma - Software Development PG Diploma - Machine Learning & Artificial Intelligence Certified Cyber Warrior

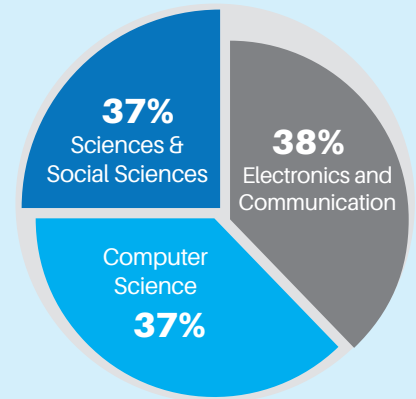
Faculty Members



IIIT Bangalore prides itself in setting the highest standards in the selection of its faculty members, most of whom have international qualifications. All full-time faculty members have a Ph.D. followed by considerable work/research and teaching experience in leading institutions around the world. With highly dedicated and accomplished faculty members, students get exposure to real-world experiences that are brought into the classroom. The faculty members at IIIT Bangalore are at par with the best in the country and other leading institutes across the globe.

The faculty members at the Institute have published papers in around 60+ journals (both national and international). Some of them include *IEEE Systems Journal*, *The Journal of Organic Chemistry*, *American Journal of Engineering Education*, *Economic and Political Weekly*, *CSI*, *Journal of Computing*, *Telecom Business Review*, *Millennial Asia*, *Journal of the Ramanujan Mathematical Society*, *International Journal of Big Data Intelligence*, *The European Physical Journal E*, *MIS Quarterly* and more.

Diversity of Specialisations



University Exchange Programmes



IIIT Bangalore has a very active and vibrant international student exchange programme. Faculty work with their counterparts in leading international academic universities funded by organisations such as National Science Foundation, USA (NSF), European Union (EU), Netherlands Organisation for Scientific Research, Netherlands (NWO), Research Councils UK (RCUK) and the World Bank. Students get a chance to visit international universities and work on interesting research projects. These universities are spread over different continents, from North America to Europe to Asia. Most of the student visits to these prestigious universities have been fully funded either by IIIT Bangalore or the host universities.



Industry Collaboration

Since 1999, the industry has partnered with IIIT Bangalore and has played a crucial role in its growth. It has paved the way for research opportunities for both students and faculty members while engaging students as interns and sponsoring faculty research projects. Students gain exposure to the current trends and critical problems in the industry. IIIT Bangalore also offers short-term courses for industry professionals to promote their continued competence and career growth. The industry has accelerated the growth of the Institute in many ways:

- Providing adjunct faculty for teaching courses
- Offering internships and full-time placements
- Awarding student scholarships
- Engaging faculty members and students in joint research projects
- Sponsoring labs and software tools
- Supporting the Incubation Centre
- Sponsoring Chair professorships
- Supporting Centers of Excellence
- Funding corpus

Scholarships

The selection for award of scholarship is done by the sponsor's representatives based on the academic achievements and/or financial need and interview performance of the student. Typically scholarships are given in two categories - merit-based and need-based. The merit scholarships are awarded based on a student's academic achievements, scholarly research activities, research publications. Need-based scholarships are awarded based on financial requirements.

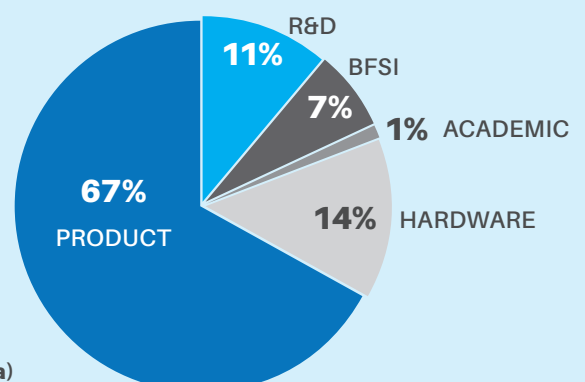


Placements



- **100% placement track record over the years**
- Average salary package: **INR 13.7 Lakhs per annum**
- The highest salary package: **INR 65 Lakhs per annum (International Offers)**

Recruiting Companies



(2017 data)

RESEARCH



7 Research Domains

At IIIT Bangalore, the faculty members are strongly encouraged to pursue research agendas that are relevant to the industry and society at large. The faculty members take proactive interest in pursuing open research problems that are relevant to different stakeholders, not only as a means of supporting their own research, but also to act as a catalyst of change in the society.

Research at IIIT Bangalore is divided into “Research Domains” corresponding to academic streams in which specializations are offered. Each research domain comprises multiple faculty members, who manage their own lab and each research lab has its own custom infrastructure to suit their research agenda. IIIT Bangalore also showcases its research to the outside world through its annual research event titled *Research, Innovation, Society and Entrepreneurship (RISE)*.

Computer Science - Algorithms, Cryptography, Computational Biology, Computational Sustainability, Services Computing, Intelligent Transportation Systems, Optimisation, Artificial Intelligence, Natural Language Processing, Computer Architecture, Robotics, Feedback Control Systems, Computational Topology, Computational Geometry, Geometric Computation, Computational Modelling, Microprocessor Design, Geometric Algorithms, Discrete Geometry, Model Checking, Theorem Proving, Programme Analysis.

Data Science - Visual Analytics of Geospatial Data, Topological Data Analysis and Visualisation.

Software Engineering - Requirement Engineering, Software Testing, Verification and Validation, Model Checking, Theorem Proving, Software Architecture, Programme Analysis, Automated Assessment.

Mathematics & Basic Sciences - Chemistry:

Computational Chemistry, Electronic Structure Calculations, Structure & Energetics of van der Waals Complexes.

Mathematics: Number Theory; in particular, Algebraic Number Theory, Diophantine Equations, Galois Module Structure and Elliptic Curves.

Physics: Dynamical Systems Theory, Complex Systems and Soft Matter Physics including Complex Fluids, Cavitation & Bubble Dynamics, studies of Instabilities & Synchronization in Nonlinear Systems (both physical, biological, and polymeric systems); 3D Simulations and Modeling of Hydrodynamic and Magnetohydrodynamic Turbulent Flows (involving research in fundamental physics / astrophysics / mechanical engineering).

Networking, Communication & Signal Processing -

Software Defined Networking, Internet of Things, Network Optimization, Communication for IoT, Security and Privacy for IoT, Speech Processing.

Electronic Systems Design - Model Based Hardware-Software Co-Synthesis of Embedded Systems, Assistive Wearable Medical Devices, Mixed-Signal Circuit Design, in particular high speed & resolution ADCs, Microprocessor Design.

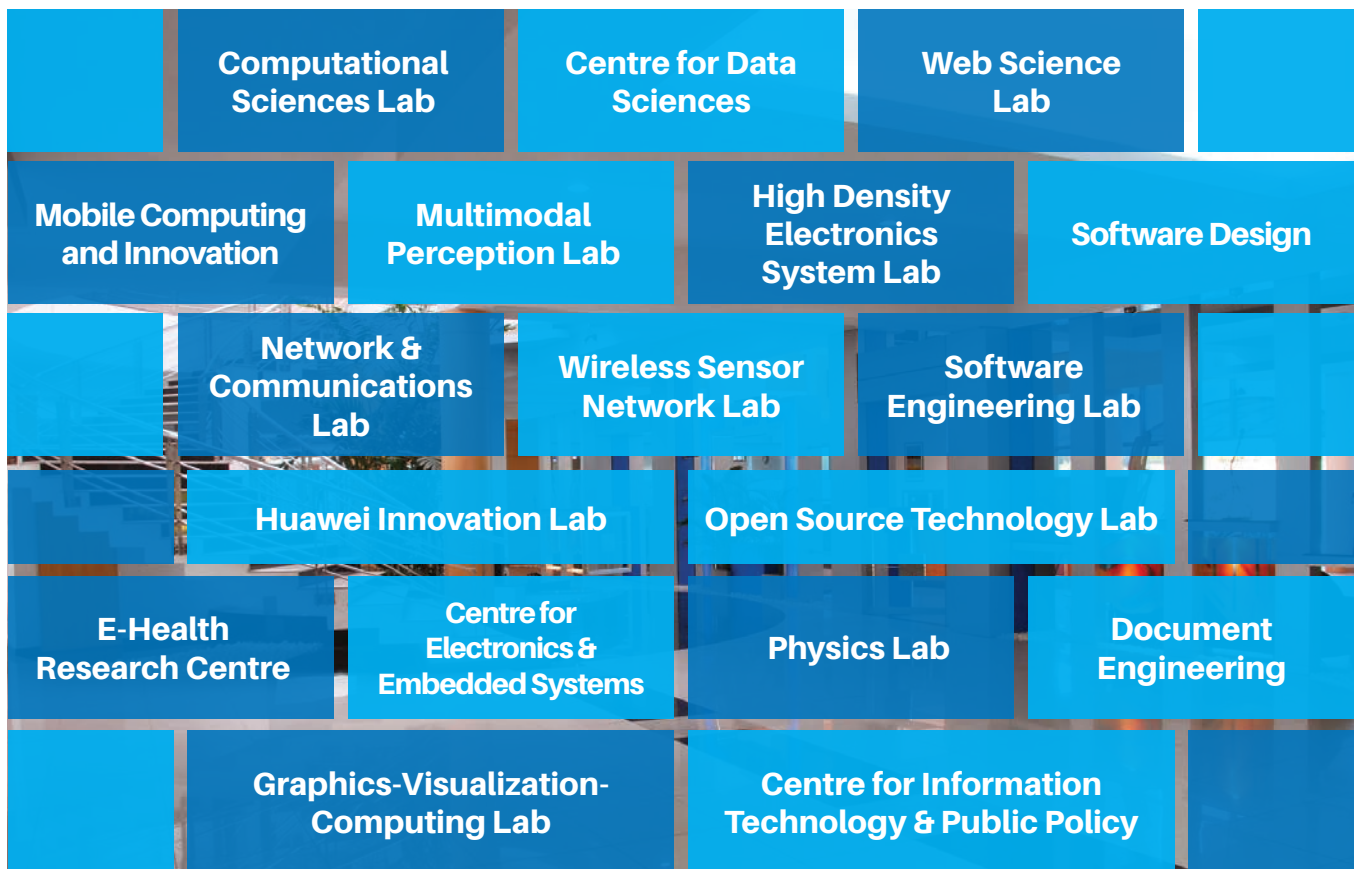
Information Technology & Society - ICT for Development, Open Development, e-Governance, Biometrics and Digital Identities in Governance, Governance Analytics and Toolkits, ICT and Health (specifically related to aspects concerning household data, community/frontline workers and the public health system), Gender and ICTs, Social Media, Public Information Infrastructure, Innovation Systems in the ICT Industry, ICT and Work Practices in Organisations, Political Economy of Information.

High Points

There are various examples that showcase IIIT Bangalore’s expertise in the research arena. Some of the notable achievements of the Institute are:

- Next Generation Network: Research funding from HP on IMS and Cognitive Radio, creating a new IEEE International Conference (IMSAA) and hosting it for five years in a row.
- Web 2.0: Bringing the WWW 2011 conference to India after four years of rigorous effort.
- IT and Society - Research funding from Ministry of IT; Bill & Melinda Gates Foundation; Canadian, UK and Euro funding agencies; part of the most prestigious conference ACM / IEEE ICTD 2006, 2007, 2008.

Research Centres & Labs



Sponsored Projects

IIT Bangalore has strong research groups that have been developed in the years since attaining the deemed university status. The Institute has taken up research projects funded by notable organisations and institutes of repute.

Some of the ongoing projects of 2016-17 are sponsored by

- Nokia Research Centre
- Microsoft Research Labs
- National Science Foundation (NSF) USA
- University of Lund, Sweden
- EMC India
- University of Aberdeen
- Science & Engineering Research Board, New Delhi
- ESSO-Indian National Centre for Ocean Information Services Ministry of Earth Sciences, GOI
- Department of Electronics & Information Technology
- Indian Institute of Management IDEA Telecom Centre of Excellence (IITCoE)
- South Asia Network of Economic Research Institutes
- University of California, Irvine
- SIRC - Singapore Internet Research Centre
- Mphasis Limited, Bangalore
- TU Delft, The Netherlands
- Siemens Technology and Services Private Limited, Mumbai
- National Institute of Mental Health and Neurosciences (NIMHANS)
- DST - Young Scientist Scheme
- The Royal Academy of Engineering
- CISCO

Infrastructure



The Institute offers world-class infrastructure and an ambience perfectly conducive to teaching, learning and research for both students and faculty. The main campus area of 9.002 acres has five main buildings and is well planned with facilities like Innovation Centre, academic blocks, research labs, state-of-the-art classrooms, playground, library, food court, medical room and multipurpose hall.



Smart classrooms, with high-speed data networks



WiFi enabled campus



24x7 security



Separate hostels and gymnasium for both boys and girls



Uninterrupted power supply



Solar power panels



In-house Sewage Treatment Plant (STP)



90,000 sq. ft. of air-conditioned space

The campus is equipped with sports facilities for outdoor activities like Jogging, Cricket, Football, Basketball, Volleyball, Lawn Tennis, Throwball, and indoor activities like Badminton, Table Tennis, Carom, Chess.



FOOD COURT



TENNIS AND BASKETBALL COURTS



NEW ACADEMIC BLOCK (RAMANUJAM BUILDING)



CLASSROOM

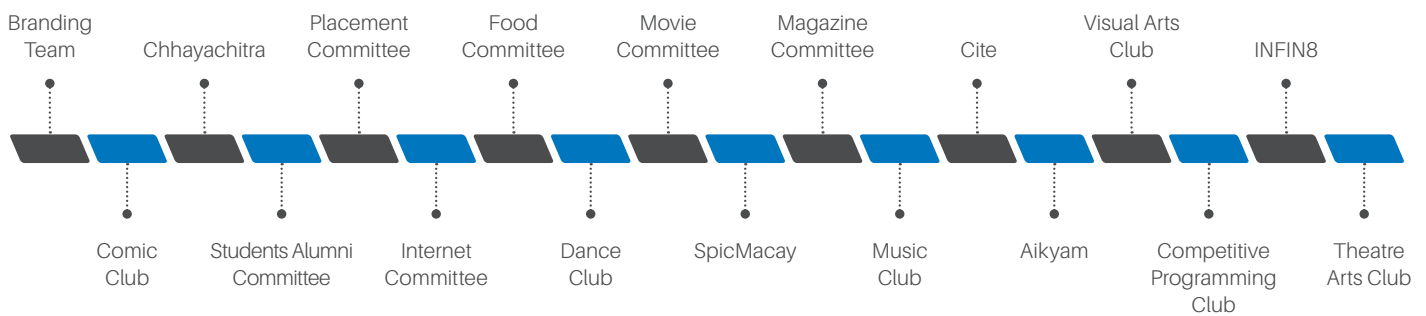
Campus Life

IIIT Bangalore has a thriving residential student community and a campus that features lush green lawns and a musical fountain, providing an ideal learning environment to stimulate intellectual and personal growth. Students forge great relationships and grow by joining various activity-based clubs, playing sports and truly enjoying their campus life.

The campus is diverse, energetic, and constantly alive. It reflects the dynamic aspect of the student community, with celebrations of regional festivals. The Institute has a relaxed, friendly atmosphere, but with a constant buzz of excitement.

Students get many opportunities to participate in conferences, seminars, guest talks, and to interact with many well-known and accomplished visitors, including Nobel laureates, renowned scientists, eminent persons from the industry, the government, and reputed institutions from around the world.

IIIT Bangalore believes that student clubs are an integral part of the total education programme. Students can join various clubs which provide forums for discussion and opportunities to pursue a particular interest, to celebrate culture or just to have fun!



SPORTS FACILITIES



MIME ACT



LIGHTING CRACKERS TO CELEBRATE DEEPAVALI



POOKALAM FOR ONAM CELEBRATION

Student Achievements

900+ students (As of July 2017)

IIIT Bangalore has a proud history of garnering student recognitions in various spheres. The Institute helps each student set, strive for and achieve personal goals of excellence in all they do.

Students get opportunities to participate in various clubs and committees of the Institute, as well as in events and competitions around the country and internationally. Some of the recent notable student achievements are:

1st prize in **Hilti Mobile App Hackathon 2016** in Malaysia

1st prize at the **"Swiss-Re Hackathon"** with the theme 'My Personal Risk Advisor'

1st prize in the **"Mylan Hackathon"** at Mylan's Bangalore office

1st prize at **HackerRamp 2016** Hackathon conducted by Myntra

2nd prize at the **Steer Quest Hackathon**, conducted by ABAI

2nd place at the **Women Techmakers Hackathon** held at Flipkart office, Cessna Park

3rd prize in **"Open Innovation Challenge"** at Andhra University

3rd prize at Cisco's first-ever **"Great Digital India Challenge"**

1st runner up prize at the **"Swiss-Re Hackathon"**

1st runner up prize at the **Philips Hue Hackathon**, conducted by Philips Lighting India

1st runners up prize at the **Microsoft Machine Learning And Data Science Hackathon**

Finalist in **ACM ICPC 2017** and 2018

5th world rank in **Google Code Jam to I/O 2016** for Women

6th world rank in **HackerEarth International Women's Hackathon**

All India 3rd rank in **Google APAC Test 2016**

Represented India in **Airvolution 2017 by Air Asia**, competed against 20 teams from 10 nations

Alumni



IIIT Bangalore alumni consisting of over 2,500 graduates (as on July 2017) are the true ambassadors of the Institute. They occupy key positions in major Indian and international corporations and are actively engaged in mentoring current students on the campus.

- ABB
- Amazon
- ByDesign
- Cisco
- Cognizant
- Covansys
- Daimler Chrysler
- Dataweave
- Delphi
- D-Link
- Fiberlink
- Flipkart
- GE
- Google
- HP
- Huawei
- IBM
- i-flex Solutions
- Infosys
- Intel
- Microsoft
- Morgan Stanley
- NetApp
- Novell
- Oracle
- Qualcomm
- Sandisk
- SAP
- Sasken
- Tata Consultancy Services
- ThoughtWorks
- Vmoksha Technologies
- Walmart
- Wipro
- ZenSar Technologies

Innovation Centre



IIIT Bangalore Innovation Centre is a hub for Information and Communication Technologies (ICT) research, innovation and entrepreneurship. It supports and incubates new ventures from startup entrepreneurs working on innovative ideas. It promotes commercialization of IP generated by faculty and students of the Institute by incubating their ventures.



The Innovation Centre has a close association with the industry with the latter setting up R&D Centres for collaborative research. Supported through government funding and CSR initiatives of the corporate companies, the Innovation Centre has a vibrant end-to-end ecosystem - office infrastructure, mentorship, and access to the industry - for incubating new age companies.

Incubation

A Section 25 company under the Companies Act, the Innovation Centre provides an end-to-end ecosystem for incubating technology-driven startups. Over the years, the Innovation Centre has incubated a number of successful startups.

Startups	50+	80+	New products/services brought to market
Full-time jobs created	300+	10+	Startups raised funding

Download IIIT
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