International Institute of Information Technology Bangalore

(Deemed University)

Admissions Brochure

2008

Mission Statement

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.

Logo Statement

"gyanam uttamam"
(Bhagavat Gita 14:1)

Translates to 'supreme knowledge' and conveys the spirit of IT today, as we move from a data and information dominated world to a knowledge intensive world. Knowledge management will be the prime focus in the present millennium with most workers graduating from blue-collar work to knowledge intensive work. The logo statement guides iiit-b in its main focus

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Governing Body

CHAIRMAN

N. R. Narayana Murthy
Chairman and Chief Mentor - Infosys

MEMBERS

Prakash G Apte,
Former Director
Indian Institute of Management, Bangalore (IIMB)

Balu Doraisamy
Managing Director,
HP India Pvt Ltd

Gautam Hegde
Managing Director,
Backend Bangalore Pvt.Ltd

Praveen Vishakantaiah
President – Intel India
Intel Technology India Pvt. Ltd.

S.D. Kapoor
Former CMD
MMTC

Kiran Karnik
President,
NASSCOM, New Delhi

Manish Khera
CEO, FINO (Financial Information Network & Operations Ltd), Mumbai.

Jitendra Malik
Department of Electrical Engineering and Computer Science
University of California at Berkeley,
U.S.A

Nachiket Mor
Deputy Managing Director - ICICI Bank Ltd.

B.V. Naidu
Managing Director
SemIndia Systems Ltd, Bangalore

J. Parthasarathy
Director, Software Technology Parks of India, Bangalore

S. Sadagopan
Director
International Institute of Information Technology - Bangalore

K. Subrahmaniam
President & CEO,
Covansys (India) Pvt. Ltd.

Ravi Venkatesan
Chairman
Microsoft Corporation (India) Pvt. Ltd.,

M. N. Vidyashankar, I.A.S.,
Secretary to Government,
Department of Information Technology, Biotechnology and Science & Technology.
Govt. of Karnataka

Director's Message

The graduate programs at iiit-b are among the best in the country, offering education oriented towards producing highly-qualified practitioners and researchers. As an independent institution and a deemed university, iiit-b collaborates with the IT industry, leading academic institutions abroad, and eminent scientists and industry leaders to offer students the best possible education. Our students have been well received by the industry, and have been placed with some of the leading companies in the field; in fact, iiit-b can boast of 100% placement for all its graduates.

Students are encouraged to ask questions, pursue their research interests, and gain membership and respect in the select club of high-achieving IT professionals. The infrastructure and interactions that iiit-b offers students and faculty makes possible the pursuit of individual and joint projects, industry-sponsored research, and study that is of the highest standards required for global competitiveness.

The institute has a relaxed, friendly atmosphere, but with a constant buzz of excitement due to many well-known visitors including giants from the industry, well-known scientists, and leaders of government from all over the world.

Admission is selective but not restrictive. We are very proud of the achievements of our alumni, and strive to gain good students who will achieve their potential and continue this trend. We thus warmly welcome applicants from different backgrounds who share our vision of excellence.

S. Sadagopan
Director
November 2007

Genesis

The International Institute of Information Technology, a Deemed University, popularly known as iiit-b, 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 funded jointly by the Government of Karnataka and the IT industry.

Since its inception, iiit-b, 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 corporate sector, while retaining the freedom of an academic institution. It is inspired by other renowned institutions, and also strives to emulate an academic culture that is on part with the best international institutions.

Why IIIT-B

Though jobs as such are relatively easy to come by in today's IT industry in India, the industry as a whole is seeing an increasing shift from low-end programming or service-oriented jobs to high-end research and design that competes with the best worldwide. Many young people seeking entry to the IT sector find that they do not have the necessary technical or research background to obtain the types of roles they seek in their careers and must settle for unfulfilling work, and industry as well is frustrated by the lack of quality in the talent pool from which it must create tomorrow's exciting innovations and products.

The International Institute of Information Technology-Bangalore offers students a unique environment that provides them with state-of-the-art knowledge in multiple disciplines beyond traditional computer science, covering the wider spectrum of Information Technology, and equips students to provide thought leadership and gain the satisfaction of fulfilling their creative and intellectual potential by becoming full peers to the brightest minds in the world, rather than just providing the low-end labor to implement others' grand visions. Considering the pervasive nature of IT in all walks of life, iiit-b encourages and admits students from a wide variety of academic disciplines into the programs.

About half of our students in recent years have been bright young men and women who already have some work experience, but have decided to take a break from their careers to pursue our M.Tech. program in order to shift their careers on to more stimulating and rewarding paths.

Strong interaction with the industry is built into our academic programs because iiit-b believes in equipping students to become productive right from the day they enter the industry. For those aspiring for academic goals, iiit-b provides an environment conducive to the development of a significant track record in research as well. Students have the opportunity to get financial aid in the form of scholarships and internships to help meet tuition and other expenses, so a bright student is limited only by his or her own vision and ambition.

Major Activities

The Institute is involved in a diverse range of activities that are consistent with its mission, and contribute to society as well as the professional growth of its students and faculty. Some of the major activities are:

Academic programs leading to masters and doctoral degrees in Information Technology. More information about these programs is given later in this brochure.

Collaborations with the IT industry on R&D projects of common interest. Industry participation happens on a constant basis by way of Chair Professorships, sponsorship of Ph.D. students, focused research labs at iiit-b, and live projects.

Incubation of companies to foster the spirit of entrepreneurship in students.

Social policy issues arising in the development and use of information technology are addressed in research that covers various economic domains, the organization of IT industry clusters, and information access for the socially underprivileged. Research output is disseminated through a white paper series and case studies of IT usage. iiit-b is also closely associated with the Government of Karnataka's Board for IT Education Standards (BITES) that establishes academic benchmarks for undergraduate IT education in the state.

The Institute also hosts many visitors from all over the world throughout the year. These include prominent political leaders from various countries, renowned academics and industry leaders, visiting scholars, and exchange students.

Location



Bangalore has always been called the Silicon Valley of India. With the pleasant climate, the urban amenities, the rich tradition of technical education, and the highly professional ambience, numerous global and local corporate big-name entities have found a home here. The iiit-b campus is located in the heart of Electronics City, one of the prestigious IT destinations in Bangalore, with excellent infrastructure, facilities, and services.

The list of companies located in the high-tech area close to the Institute is a virtual Who's Who of the IT business. iiit-b is situated opposite the Infosys corporate headquarters, and is within easy walking distance of other major companies like HP, Siemens, Wipro, GE, Satyam, and others, giving students and faculty opportunities for productive interaction with the industry.

Campus & Housing





The Institute moved to its present Electronics City campus in 2003. The campus features well-maintained lush green lawns, musical fountains, and a small pond, creating an ideal learning environment to stimulate intellectual and personal growth.

Designed and built in compliance with the highest global standards, the teaching and learning infrastructure features the most advanced elements of contemporary academic tools. With over 80,000 square feet of air-conditioned space, uninterrupted power supply, and a well-crafted interior, the Institute offers a world-class environment for students and faculty.

All the classrooms are "smart," with high-speed data networks and large projection systems for audio and video. The well-designed main classroom comfortably seats in excess of 150 students. Video conferencing capabilities are built in using state-of-the-art audio-visual equipment. They include electronic smart boards, location-sensing microphones, and multiple LCD projectors, thus enabling an enriching learning experience.

All the academic programs are residential in nature. Separate hostel facility is available for men and women. Students get individual rooms. Meals are available at the Food Court located in a separate building (the food that our students have is the same food that is also had by faculty and staff, and offered to visitors including distinguished dignitaries, thus ensuring quality). A separate small cafeteria is available for small snacks during usual working hours.

For recreation inside the campus, indoor games (carroms, chess and table tennis) and a limited number of outdoor games (cricket and basket ball) are available. All the hostel blocks are equipped with a reading room and a music/meditation hall.

Programs Offered

The Institute is an exclusive graduate school, and offers no undergraduate degree programs. The graduate study programs offered lead to the Master of Technology (M.Tech.), the Master of Science (M.S.) by Research, and the Doctor of Philosophy (Ph.D.) degrees in information technology. These programs offer training that is comparable to the best anywhere, and cater to different needs.

M.Tech. Program

The M.Tech. degree 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.

NB: There is no part-time M.Tech program for working professionals.

Academic Interns

The Institute has very limited slots in a special position called Academic Interns. These slots are open to high-performing students who get an opportunity to earn a Fellowship of Rs 4 – 4.2 lakhs spread over 3 years during which they work with the Institute faculty members as Academic Interns and also complete their M.Tech. degrees concurrently over this 3 year period. Prospective students can indicate their willingness to pursue this option at the time of selection interview and this does not affect the selection for the regular 2 year M.Tech program.

Research Programs
M.S. by Research & Ph.D.

The Institute offers two research programs for students that lay emphasis on carrying out quality research in the chosen field of study.

The M.S. by Research degree is intended for mature students who wish to learn and perform research in a supportive academic environment. It is awarded upon successful completion of a graduate-level research program, usually lasting four semesters. Beyond the satisfaction of a relatively small number of coursework requirements, the major focus of the program is on developing research skills, leading to the completion of a Master's thesis describing significant original results. Most M.S. by Research students are working professionals (some already working as research scientists in reputed organizations or government bodies), who are sponsored by their employers.

The Ph.D. is the terminal, research-oriented degree in the subject, intended to prepare students for research, teaching, and scholarly careers in academic settings or research laboratories. It connotes a superior comprehension of the field and a high aptitude for research, and is awarded upon completion of a program that takes from 3 to 5 years (there are no hard limits). Beyond the satisfaction of a relatively small number of coursework requirements, the major focus is on carrying out a significant body of original research and the writing and defense of a doctoral dissertation describing this work.

Course Structure

Fundamental to Information Technology is the integration of different technologies and the integration of technologies into organizations. The uniqueness of the iiit-b curriculum is that it makes for a broad-based program going beyond traditional computer science, and enables students to function well in the industry, while keeping the rigorous learning expected of a classical program.

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 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 two more core courses, but allows the student the freedom to choose two "elective" courses from several that are on offer. The third semester sees the student taking only 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.

Electives are offered several areas of information technology such as distributed computing, computer networks, digital signal processing, software engineering and information systems (such as GIScience , Information Retrieval and Data Modeling).

The M.S. by Research and Ph.D. programs have no fixed core courses, and a suitable course structure for a student is determined by the student and his/her advisor, based on the background, if any, needed, and applicable research interests. Students may choose to pursue their research in a variety of areas such as computer networks, communication systems, distributed systems, information retrieval, software engineering, social and economic aspects of IT, and other areas.

Academic Infrastructure

The infrastructure for iiit-b's fully wired campus consists of a high-speed fiber-optic backbone connected to the internal network through a high-end gigabit Ethernet switch. Dedicated network equipment includes printers, scanners, and other equipment.Connectivity in the campus is established at two levels. First, the local intranet implements a "virtual classroom," where all the visual material, such as presentation slides used by Professors in class, is made available electronically to students. All assignments and projects are announced and submitted online. The intranet also enables knowledge sharing among students.

At the second level, 24x7 Internet access is available throughout campus, in both wired and wireless modes. iiit-b is one of the few institutions in India to have an active wireless LAN (and was the first to have this technology). Wireless-mode access is available throughout campus using the 802.11b/g protocol. In addition, high-quality Ethernet ports are installed at various locations in the building, providing wired Internet access through a proxy web server.

All students have a Wi-Fi enabled laptop for their exclusive use. This ensures a student to machine ratio of better than 1:1, implying complete accessibility. This in turn allows for an individual approach to learning, providing the freedom to learn at one's own pace and focus on one's chosen domain of specialization.

The Institute has an academic library with an excellent collection of books, journals, and magazines. Students have privileged free access to numerous online research resources (such as the ACM Digital Library, IEEE Explore, JSTOR).

Research Labs

The following are some of the dedicated research facilities at iiit-b. This does not include facilities under development, or smaller facilities.

Wireless Access Network Lab

The Institute has wireless access network lab that focuses on research involving networking standards and technology. Current research work concentrates upon latest broadband wireless access technology - WiMAX. Major areas of work include power management, seamless interoperability and scheduling schemes in WiMAX (IEEE 802.16e).

HP - IIIT-B IP Multimedia Subsystems (IMS) Innovation Lab

The IMS lab has been sponsored by HP's Open Call group. The main areas of research and development carried out in IMS lab are related to 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, Security and Device Management. Moreover, this lab addresses issues related to quality of service modeling in IMS architecture with respect to differential traffic. The faculty, students of IIITB along with scientists /engineers of open call unit of HP India, France as well as USA work together in different challenging telecom network problems. IMS lab is one of the bright examples of industry and academia collaboration to develop some of the next generation telecom products.

SNIA -IIIT-B Laboratory

The Institute in collaboration with the Storage Network Industry Association hosts the SNIA IIIT-B Lab, an inter-industry center for training, education network and research in all aspects of storage technology. The center aims to function as a model center in this area for academics and industry in India and South Asia in general.

Software Design Laboratory

The research focus here is on the design and architecture of software. The design patterns approach for the software development process is studied, with special emphasis on the impacts of design principles and patterns on the flexibility aspect of software design. This lab has a tie up with IBM via its academic relationship program.

Center for Spatial Information Sciences

The Center for Spatial Information Sciences (CSIS) at IIIT, Bangalore was established in October 2006. The Center carries out basic and applied research in Geographic Information Sciences and Remote Sensing. The center actively collaborates with the industry on research initiatives. Some of the key research directions identified for the center are:

- Digital Gazetteer
- Map generalization
- Geographic Information Retrieval
- Mobile way finding
- Progressive transmission of spatial datasets in the web environment
- HASENA – Habitat Sensing Networks using geospatial sensing units.
- Real-Time search
- Design and Implementation of Object Oriented Spatial Databases.
- Design and Implementation of Geographic Ontologies
- Authoring topographic ontologies in a controlled natural language
- Handling spatial data in a distributed environment
- Intelligent transport systems and architecture

In addition to the above mentioned research areas, CSIS is actively collaborating with industry on open-source initiatives.

Open Systems Laboratory

The Open Systems Laboratory (OSL) at iiit-b was started in 2002. It works in the broad areas of data and information systems engineering, graph data management, web information retrieval, text mining, social network analysis, mobile data management, distributed computing and open-world computing. The OSL also hosts the first PlanetLab (www.planet-lab.org) node in India. The PlanetLab grid is a worldwide grid for testing distributed algorithms. The OSL is also involved in another major project called Vidyavahini, whose objective is to develop a wide-area data grid for academic materials.

Admissions

The minimum qualification for admission to any of the programs in the Institute is a first-class four-year bachelor's degree in engineering (i.e., B.E., B.Tech., or equivalent). M.Sc./MCA degree holders can also apply. Final-year students expecting to graduate by August 2008 may also apply. For the Ph.D. program, applications from candidates holding Master's degrees in a technical discipline (i.e., an M.E., M.Tech., or equivalent) will be preferred, but candidates who possess just the minimum qualification but show great aptitude for research (e.g., as shown by research publications in international conferences or journals, or patent applications) may be considered. Candidates who are perceived to lack sufficient research skills but show promise may sometimes also be advised to pursue the M.S. by Research first, prior to being accepted into the Ph.D. program.

Admissions are usually only open to Indian citizens living in India. We are open to receiving applications to the research programs (particularly for the Ph.D.) from outstanding foreign applicants.

Admission to the M.Tech. program is on the basis of prior academic performance (at the high school level and beyond), performance in the Institute's online admissions test (held at various centers nationwide), and an admission interview (held in May at the Institute in Bangalore). Performance in the GATE examination in computer science or a related area may also be considered in admission decisions. Government scholarships, if available, require students to have taken the GATE exam (though this need not necessarily be in computer science). Students who have a GATE score are thus advised to indicate the same in their application forms, indicating the subjects chosen in GATE.

Admission to the M.S. by Research program is on the basis of submitted records of prior academic work and other scholarship showing aptitude for research, letters of recommendation, and a personal interview. Applications are made at the same general time as the M.Tech. applications, and applicants are generally called for interview only in late spring or early summer, with successful applicants enrolling as students at the beginning of the Fall semester. Not all applicants will be called for interviews.

Admission to the Ph.D. program is on a similar basis as to the M.S. by Research program, but applicants have to meet a higher expectation in terms of proven research ability. Applications may be made throughout the year and interviews may also be scheduled several times a year, but successful applicants enroll as students at the beginning of the Fall or the Spring semesters.

NB: Working professionals may apply for the M.S. by Research program or the Ph.D. program (though not the M.Tech. program, unless they can get leave for the duration of the M.Tech. program). Such applications have to be sent through the employer (or accompanied by a letter from a supervisor or other authorized representative of the employer stating that there is no objection to the applicant's joining iiit-b as a student). Working students will also need sponsorship from the employer, or obtain support from other sources to meet their costs, as scholarships and other financial support are not available to working students.

Tuition, Aid & Scholarships

The tuition for all programs at iiit-b is Rs. 50,000 per semester. M.S. by Research and Ph.D. students are required to pay tuition for the first three semesters. In addition, residential students pay Rs. 1500 towards hostel rent and Rs. 1500 for food expense. Other costs for books and supplies, travel, purchase of a laptop, etc., need to be factored by students depending on their individual circumstances.

Most M.Tech. students receive bank loans at fairly generous terms that cover all their costs. A relatively small number may also be eligible for merit-based, industry-sponsored scholarships in later semesters, based on their scholastic performance after joining iiit-b. Teaching assistantship opportunities, which provide a financial incentive besides valuable experience for future careers, are available to third-semester M.Tech. students based on their academic performances in the first year.

Employed students who undertake studies at iiit-b are expected to cover their own costs, including tuition. Many such students are sponsored by their employers.

All full-time Ph.D. students, except those receiving support from other sources, are offered full financial support covering tuition and a stipend of Rs. 20,000 per month. Such funding for our Ph.D. students comes from HP, IBM, Intel, Infosys, Motorola, Siemens, and other companies.

Industry-Funded Scholarships

The Institute offers about 40 scholarships (out of the 120+ students that are expected to be admitted in 2008) to meritorious students joining the 2 year M.Tech programs. The amount of financial aid covered as part of the scholarships varies between the organizations offering the scholarships, but generally covers almost all student expenses. The selection for all industry-funded scholarships is based purely on merit. The Institute will select the candidates for the scholarships in consultation with the respective industry sponsors of the scholarship. Funding for the scholarships comes from several industry leaders like NXP/Philips, Siemens, Intel, and Crompton Greaves.

Internship & Placements

The Institute has a strong placement program that has achieved 100% placement of all its graduates. The graduates have found challenging assignments with several multinational and Indian giants of the IT industry. A broad-based curriculum coupled with strong bonds with the industry ensures that the students are equipped with the right skills to be highly productive and ready to take on real-world IT challenges when they graduate.

Even before the students graduate, the Institute's internship program gives the students an opportunity to get hands-on exposure in real-world projects as part of the final semester. Many of the companies that participate in the final Placement Program also participate in the Internship Program. This allows students to spend one whole semester in the industry working on live projects prior to graduation. The companies provide students with stipends for the duration of the internship and also the opportunity to work with their teams, at their premises, on challenging real-life projects. The internship program is an avenue for placement, as many interns who perform well are given job offers by the companies they work for in the final semester.

In addition to the industry-sponsored internships based out of India, there is also an opportunity to do research and project work at the Technical University of Kaiserslautern in Germany as part of the final semester internship. The internship includes financial aid to cover travel and living expenses in Germany during the course of internship.

The following organizations have recruited our students in the past.

Recruitment Statistics

1999 BATCH

GE (26)
HP (13)
INFOSYS (11)
DIGITAL (10)
WIPRO (9)
BANGALORE LABS (9)
SAP LABS (7)
IBM (6)
NOVELL (5)
HUAWEI (4)
AALAYANCE (4)
ALOPA NETWORKS (4)
BACKEND (4)
CUSTOMER ASSET (4)
IT SOLUTIONS (4)
MINDTREE (3)
IFLEX (3)
DSQ (3)
ACCENTURE (2)
CARITOR (2)
GXS (2)
RIVERSTONE (2)
RAMCO (2)
ROBERT BOSCH (2)
BIRLASOFT (1)
COMPAQ (1)
ECHO LABS (1)
GE CONSUMER (1)
IGATE (1)
INDIA INFOGAIN (1)
MOTOROLA (1)
ORACLE (1)
PA CONSULTING (1)
SAIL (1)
SAP (1)
SASKEN (1)
TCS (1)
US (1)
BLUE FONT (1)
GAVS (1)
LUCENT (1)
P&G (1)
SAS (1)
SUN MICROSYSTEMS (1)

2000 BATCH

GE (28)
CELL NEXT (18)
GAVSIN (11)
SAP LABS (11)
SNS (6)
DAIMLER CHRYSLER (4)
HP (4)
I-FLEX (3)
COGNIZANT (3)
HUAWEII (3)
VISUAL SOFT (3)
DCRTI (2)
THOUGHTWORKS (2)
ALOPA NETWORKS (2)
ANTARIX (2)
MANMAR (2)
GXS (1)
IBM (1)
INFOSYS (1)
LGSI (1)
NOVELL INC (1)
SAP ICG (1)
SYMPHONY (1)
VERISIGN (1)
COCA-COLA (1)
HONEYWELL (1)
RAMCO (1)
SAIL (1)
SHIPARA (1)

2001 BATCH

MASTEK (13)
COVANSYS (13)
GE (11)
TCS (10)
HONEYWELL (5)
INFOSYS (5)
DIGITAL (5)
DCRTI (4)
DELPHI (4)
GAVS (4)
GE CIS (4)
SAP (4)
SAP LABS(4)
CELLNEXT (3)
IFLEX (3)
WIPRO (3)
ZENSAR (3)
DAIMLER CHRYSLER (3)
I2 (3)
MINDTREE (2)
ORACLE (2)
TESCO (2)
THOUGHTWORKS (2)
WEBMETHODS IDC (2)
INTEL (2)
PHILLIPS (2)
OWN (2)
ABB RESEARCH (1)
BEA (1)
CRIMSONLOGIC (1)
CSI (1)
CTS (1)
DLINK (1)
GE HEALTHCARE (1)
HCL (1)
HP GDIC (1)
HUAWEI (1)
IBM (1)
INFINITE COMPUTER (1)
NOVELL (1)
PDRBORN (1)
PRAMATI (1)
QWEST SOFTWARE (1)
RAMCO (1)
RAPIDIGM (1)
TALISMA (1)
TATATEL (1)
TAVANT (1)
THOROGOOD (1)
INNVO (1)
IT SOLUTIONS (1)
SAIL (1)
SATYAM (1)
SYNOVA (1)
VMOKSHA (1)

2002 BATCH

COVANSYS (9)
I2 (8)
SAP LABS (7)
HUAWEI (4)
EMC (3)
IBM (3)
ALOPA (2)
DELPHI (2)
HONEYWELL (2)
INTEL (2)
NOVELL (2)
ORACLE (2)
THOROGOOD (2)
WEBMETHODS (2)
YAHOO (2)
AGERE (1)
AMDOCS (1)
CISCO (1)
DAIMLERCHRYSLER (1)
DCRTI (1)
DELMIA (1)
GXS ITC (1)
PROTEANS (1)
I-FLEX (1)
KODIAK NETWORKS (1)
MFORMATION (1)
RAPIDIGM (1)
TAVANT (1)
TECHSPAN (1)

2003 BATCH

SAP LABS(20)
GE HEALTHCARE (13)
INTEL (12)
I2 (11)
EMC (8)
SIEMENS (8)
GE CIS (7)
C-COR SOLUTIONS (4)
FIBERLINK (4)
HP (3)
MOTOROLA (3)
ALLGO (1)
CADENCE (1)
GE TRANS(1)
HUAWEI (1)
INDSCAPE SOFTECH (1)
NOVELL (1)
SNT MULTICONNECT (1)
SYMANTEC (1)
VISUAL SOFT (1)
YAHOO (1)

2004 BATCH

I2 (16)
GE (13)
HP (12)
SIEMENS (9)
EMC (8)
GAVS (8)
COVANSYS (7)
FIBERLINK (6)
SAP LABS (6)
CISCO (5)
SAP (4)
ALLGO (2)
INTEL (2)
MFORMATION (2)
ZIVA (2)
ABB (1)
BECEEM (1)
FAST MEDIA (1)
GENERAL MOTORS (1)
HONEYWELL (1)
HP LABS (1)
IBM (1)
LUCENT (1)
MICROSOFT (1)
MOTOROLA (1)
MS RESEARCH (1)
NOVELL (1)
TI (1)

2005 BATCH

EMC (19)
SAP LABS (18)
GE HEALTH CARE(16)
GE INFRA (7)
KODIAK NETWORKS (7)
NOKIA (7)
ABB (6)
HP (6)
TECHVOYANT (5)
FIBERLINK (4)
NOVELL (4)
YOS (4)
IBM (3)
ORACLE (3)
TYFONE (3)
WEBMETHODS (3)
AMEX (2)
HSBC (2)
SIEMENS (2)
XORA (2)
ALLGO (1)
ARIBA (1)
BEA (1)
INTEL (1)
MOTOROLA (1)
READIMINDS (1)
ZIVA (1)
WEB18 (1)

Industry Partnership

iiit-b hosted the two-week long Summer School on ASR (Automatic Speech Recognition) which was organized by Microsoft Research India during (July 16-28, 2007). Around 40 researchers from across the country participated in this Summer School.

IMSAA-2007 is being organized jointly by iiit-b and IEEE Bangalore Section in December 2007. This conference is being co-sponsored by leading MNCs working in the areas of Telecommunication. The conference focuses on different areas of research and development in IP Multimedia Subsystems (IMS).

Along with IIT Bombay and Infosys, iiit-b submitted and won a bid to host the prestigious WWW (World Wide Web) Conference slated for Asia in 2011 (WWW conferences move across Americas, Europe and Asia every three years).

iiit-b was the first institute to organize an event in Entrepreneurship games and talks in collaboration with NEN (National Entrepreneurship Network). NEN was co-founded by five of India's premier academic institutions: IIT Bombay; IIM Ahmedabad; SP Jain Institute, Bombay; IBAB, Bangalore and BITS Pilani. iiit-b students have been awarded for the best Microsite development award at Asian level event organized by NEN.

iiit-b students took part in a two day certified course on Robotic Workshop organized by a Mumbai based company TRI.

Every year, iiit-b in collaboration with SAP Labs India, organizes an event called "Code Olympics" which is a non stop 24 hours coding for the real time application problem given by the industry person.

iiit-b organizes Open House event every year in which all the projects running in the college are showcased to the outer world. Many professionals from the IT Industry come to attend the demonstration sessions given by the students.

iiit-b keeps one day, usually Wednesday, for the student-industry interaction, where people from industry visit our campus and give their insights on the latest happenings in research and development.

Social & Cultural Activity

IIIT-B organizes inter collegiate technical fest titled "Innofest". Large number of students from prestigious institutions participate in the fest. Innofest includes events like online programming contest, LAN Games, web development, and paper presentations.

IIIT-B understands its social responsibility and has its students working for it under the name AIKYAM. Our mission includes giving back some love and affection tothe underprivileged children of our society. Some of our activities include teaching spoken English, spreading computer awareness and organizing theater workshop for these children. We also take them for some educational camp like visit to HAL Museum, Planetarium etc.

AIKYAM has extended its hands to work with ELCIA (Electronics City Industry Association). ELCIA is anorganization run by almost 200 IT Companies which works for the development of the society. It provides computer education for 11 primary schools . This program is also supported by Wipro, which donates computers and other hardware to educational institutions.

How to apply

M.Tech. Applications

Online Application Procedure

You are strongly encouraged to apply using the online application form.

STEP 1:

Access the Institute's web site (http://www.iiitb.ac.in) and fill in the online application form. Ensure all the items in the following checklist are satisfied BEFORE filling the online application form:

- *All admission requirements for the respective programs should be satisfied. Refer to section titled "Admissions" for details*
- *A demand draft for Rs. 1,000/- drawn in favour of "International Institute of Information Technology" payable at Bangalore*

Take a printout of the acknowledgement form that is displayed on the screen after successfully completing the online application.

STEP 2:

Send the following items by post to the Registrar at the given address for correspondence:

- *Demand draft for Rs. 1000/- drawn in favour of "International Institute of Information Technology" payable at Bangalore*
- *2 Passport size colour photographs*
- *Printout of the acknowledgment form obtained after successful completion of the online application process.*

Offline Application Procedure

In case you are unable to apply using the online application procedure mentioned above, you may apply using the application form included at the end of this brochure. Completed application forms along with a demand draft for Rs. 1000/- drawn in favour of "International Institute of Information Technology" payable at Bangalore must be sent to the Registrar at the given address for correspondence. iiit-b will not be responsible for any postal/courier delay.

e-HALL TICKET

e-hall ticket is the admit card that is sent to all the candidates whose application forms (both online and offline) have been processed successfully. The e-hall tickets will be sent via e-mail at the address mentioned in the application form. Once the candidates receive the e-hall ticket, they should take two print outs of the e-hall ticket. Please take the print outs on A4 size paper only. Please ensure that all information on the e-hall ticket is clearly visible on the print out.

cont.,

NO CANDIDATE WILL BE PERMITTED TO APPEAR FOR THE TEST WITHOUT A VALID HALL TICKET.

The e-hall ticket is an important document that must be preserved and produced at the time of the online admission test and also at the time of interview/admission.

Test Centres

The online admission test will be held at 12 centres across India: namely, Ahmedabad, Bangalore, Bhopal, Chandigarh, Chennai, Cochin, Delhi, Hyderabad, Kolkata, Lucknow, Mangalore, Mumbai. Applicants can indicate up to 2 centers in order of preference in the application form. The institute will do its best to accommodate the requests for center allocation as per the given preferences but candidates may be allocated centers other than those indicated in the preferences in the application form.

Time Schedule

Admission Notification	December 7, 2007 Onwards
Online Applications	
Last date for receiving online applications	March 15, 2008
Last date for receiving demand draft for online applications	March 15, 2008
Offline Applications	
Last date for requesting offline applications	February 1, 2008
Last date for receiving completed offline applications together with the demand draft	February 29, 2008
Exam and Interviews	
Exam Dates: Students are provided with two choices for taking the online admission test	Date 1: March 30, 2008 Date 2: April 13, 2008
Selection interviews at iiit-b campus	May 5-9, 2008

Ph.D. Applications

Applications are accepted throughout the year. Submit the following with a covering letter giving a summary, to the Registrar, IIIT-B,26/C Electronics City, Hosur Road, Bangalore 560 100.

- Transcripts or attested copies of prior academic work, and copies of any published papers.
- A statement of purpose of between 1000-2000 words, indicating research goals and prior research experience.
- A non-refundable application fee of Rs. 500, in the form of a demand draft payable to IIIT- Bangalore.

In addition, arrange to have three letters of recommendation supporting the application sent directly to the Registrar (Such letters should be from former Professors, research supervisors, or other qualified people familiar with the applicant and able to describe and attest to his/her scholastic ability and aptitude for first-rate research.).

M.S. by Research Applications

Applications are accepted at the same time as the M.Tech. applications. Otherwise, follow the procedure outlined above for the Ph.D. applications, indicating that your interest is in the M.S. by Research rather than the Ph.D.

Address for Correspondence

All communication by post should be addressed to:

Registrar
International Institute of Information Technology,
26/C Electronics City
Hosur Road
Bangalore 560 100
Tel. (080) 4140 7777 / 2852 7627
Fax:(080) 4140 7704 / 28527636
e-mail: admissions@iiitb.ac.in

Online Admission Test Guidelines

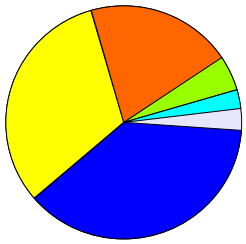
The salient features of the computer-based ONLINE admission test are:

- The candidate sits in front of the computer and the questions are presented on the monitor. The candidate submits his/her answers through the use of mouse. The computer is connected to the server, which delivers the test, in real time through a reliable connectivity.
- The online admission test assumes that the candidate has basic familiarity with the use of computers like use of keyboard and mouse operation. It is the responsibility of the candidate to acquire these skills before appearing in the test and the Institute cannot take responsibility for the same.
- In the rare and unlikely event of a technical failure during the test, the candidate may be required to attempt the test again.
- Candidate must visit the Institute's website http://www.iiitb.ac.in regularly to obtain latest news, information and updates on the online admission test.

Student Profile

Age Distribution:

The wide group of people ensures that a balance is struck in the activities. The zeal of the young is well complemented by the not so young!

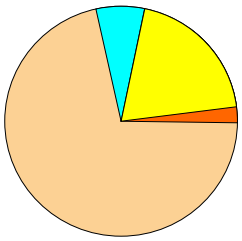


Age Split - Up

- 21 Years (1.65%)
- 22 Years (34.71%)
- 23 Years (32.23%)
- 24 Years (24.79%)
- 25 Years(4.96%)
- 26 Years (1.65%)

Work Experience:

The juxtaposition of experienced and non-experienced candidates helps in mutual exchange of ideas. The institute lures people from a variety of backgrounds and helps them venture into the field of IT.

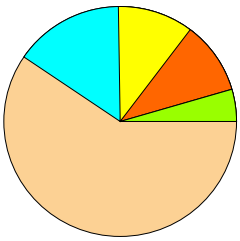


Average Work Experience

- Fresher (73.98%)
- < 1 Year (6.5%)
- 1 - 2 Years (17.89%)
- > 2 years (1.63%)

Geographical Distribution:

The diversity of the students represents the diversity of India. This also enables people learn about the various cultures and practices of our Motherland.

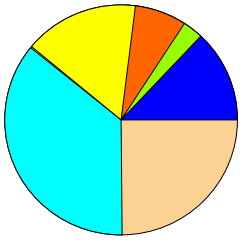


Region split-up

- South India (59.68%)
- North India (16.13%)
- East India (10.48%)
- West India (8.87%)
- Central India (4.48%)

Discipline:

Being an IT institute, IIITB not only attracts students from Computer Science background, but also from various disciplines like EEE, ECE and others.



Discipline

- Comp. Sc.(25.81%)
- ECE (36.29%)
- IT (15.32%)
- Other (5.65%)
- E&I (3.23%)
- EEE (13.71%)

Faculty Profile

Jyotsna Bapat

Prof. Bapat received her Ph.D. from Penn State University. Her thesis was in the area of semi-blind equalization applied to communication systems. After graduation, she worked on design and implementation of voice-band (V.34) and DSL (G.lite) modems at Ariel Corp and Lucent Technologies respectively. Her area of interest is Digital Signal Processing as applied to communication systems. In particular, she is interested in semi-blind identification as applied to OFDM systems

Rajendra K. Bera

Prof. Bera received his B.Tech., M.Tech., and Ph.D. degrees in aeronautical engineering from the Indian Institute of Technology, Kanpur. He is a member of the New York Academy of Sciences, and a Fellow of The Institution of Engineers (India). His previous appointments include positions as research scientist at the National Aerospace Laboratories, Bangalore; visiting assistant Prof. of aerospace, mechanical, and nuclear engineering at the University of Oklahoma; visiting faculty of aeronautical engineering at the Indian Institute of Technology, Kanpur; and head of R&D at IBM Software Labs, Bangalore. He is also the sole inventor on eighteen US patents.

Debabrata Das

Prof. Das, received his Ph.D degree from the Indian Institute of Technology Kharagpur. His thesis was in the area of performance evaluation in high-speed local area network. His research work was supported by the Council of Scientific and Industrial Research, Govt. of India. Before joining the Ph.D program at IIT, he had served as a senior research assistant at the Electrical Engineering Department of IIT Delhi. After his Ph.D, he worked at Kirana Networks as a System Engineer in, New Jersey, USA. He teaches computer networking and advanced computer networking, and heads the IMS and Wireless Networks laboratories.

K V Dinesha

Prof. Dinesha received his Ph.D. degree in Physics from IIT Bombay. For the past 20 years, Prof. Dinesha has been involved in teaching, research and consultancy in Information Technology. He has developed scientific and commercial software. His areas of interest include Software Engineering, Quality Systems (ISO and SEI CMM Models), Cryptography, Object Technology and Data Structures.

Syed Awase Khirni

Prof. Syed is a Ph.D. candidate at the University of Zurich, Department of Geography. His research interests are in Geographic Information Retrieval, Geovisualization, Cartography, Spatial Intelligence and Spatial Cognition. His thesis addressed the problem of extracting & representing spatially aware information retrieved from the Internet within the framework of SPIRIT Project (An EU-IST Sponsored Vth Framework Project www.geo-spirit.org). Emphasizing on approaches to extract and visualize spatially aware information retrieved and empirical evidence has been drawn to justify the suitability of different visualization serving different purposes.

H N Mahabala

Prof. Mahabala received his Ph.D. from the University of Saskatchewan, Canada. He has served on the faculty of the Indian Institute of Science, University of Saskatchewan, University of Waterloo, Massachusetts Institute of Technology and IIT-Kanpur and retired from Indian Institute of Technology, Madras in 1995. He has served as the President of the Computer Society of India and as Member, Electronic Commission (Govt. of India). His interests are Software Engineering, VLSI Design and Expert Systems. He has been awarded the 'Lifetime Achievement Award' by Dataquest in 1998. He is currently an expert member of the IT Standards Board (BITES) setup by the Government of Karnataka.

Balaji Parthasarathy

Prof. Parthasarathy obtained his Ph.D. from the University of California at Berkeley. His research broadly focuses on the relationship between technological innovation, economic globalization, and social change. Within this broad focus, his work follows two threads. One thread examines the impacts of public policy and firm strategies on the organization of production in the ICT (information and communications technology) industry. Another thread deals with "ICTs for Development," or ICTD. Here his interests lie in understanding how ICTs are being deployed in various domains of activity to transform social relationships, especially in economically underdeveloped contexts.

S.S. Prabhu

Prof. Prabhu obtained his Ph.D. from the University of Toronto. He has taught at IIT-Kanpur for 30 years, where he served as the Head of the Department of Electrical Engineering and Dean of Faculty. He has also visited University of Toronto as a Research Fellow, and was a Visiting Prof. at IIITM-Kerala. His research interests include control of distributed parameter systems, electric drives, robot path planning, power system dynamics & stabilizers, HVDC & FACTS controllers, and voltage stability. His current interests are in control algorithms for real time industrial control, and in E-education.

G.N.S. Prasanna

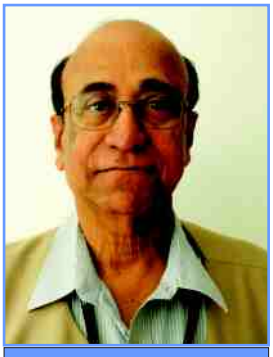
Prof. Prasanna did his B.Tech at IIT – Kanpur, and MS and Ph.D at MIT, USA. He has worked at Lucent Microelectronics and Lucent Bell Laboratories, for about 11 years. At Lucent he worked in a variety of fields, including VLSI, switching, optical networking, etc. He was responsible for the signal processing system design of a major access product for Lucent's 5ESS switch, accounting for 30 million lines worldwide. He has published about 35 papers, and holds about 15 patents. He has been on several technical program committees and has served as a referee for several journals. He is interested in communication systems (optical, wireless, powerline), robust optimization, electromechanical systems, animation and mathematics.

Shrisha Rao

Prof. Rao obtained his Ph.D. in computer science from the University of Iowa, and also has an M.S. in logic and computation from Carnegie Mellon University. His primary research interest is in distributed computing, specifically algorithms and formal methods for concurrent and distributed systems. He also has interests in problems such as distributed fair division, and demand-side management. He occasionally dabbles in mathematics. He is also a regular reviewer for the ACM Computing Reviews journal (reviews.com), which reviews a sample of the latest publications related to the computing sciences.

Chandrashekar Ramanathan

Prof. Chandrashekar received his Ph.D. degree from Mississippi State University. His research was in the area of object-oriented databases. He has extensive application software development experience in large multinational organizations. Most recently, he was working as a senior architect at Hewlett Packard. His current focus is in the area of databases and software engineering. Application architectures, enterprise content management and knowledge management are his other areas of interest.



S. Ramani

Prof. Ramani's research has ranged from computer communication, artificial intelligence, technology for education, and networking the paper world. He started his career with TIFR, Mumbai, and then went on to be the first director of the National Center for Software Technology, Mumbai. Later, in 2001, he played a key role in setting up the HP Labs India, as its first director. Prof. Ramani has served as President of the International Council for Computer Communication, and of the Computer Society of India (CSI). He has also served on the Expert Panel advising the ICT Task Force of the UN. Prof. Ramani is a Fellow of the CSI and a Fellow of the National Academy of Engineering. His main interests now are: technology for education and student research.

S. Sadagopan

Prof. Sadagopan obtained his Ph.D. from Purdue University. He taught for more than 20 years at IIT-Kanpur and IIM-Bangalore before taking up his present position as the Director. His research interests include Multimedia, Enterprise Computing, Networking and Operations Research. He is a certified SAP Consultant and has authored several books and a large number of articles in several International journals. He consults widely to the corporate world.

K.L.S. Sharma

Prof. Sharma worked with Electronics Corporation of India Limited, Hyderabad for 7 years, and with ABB Limited for the next 23 years in their Utility Automation Division. His work experience is in Application and Implementation of Automation systems/projects in Utility processes and Industrial processes. His areas of interest are automation system design and implementation, project-related development, and technical and commercial competency development. He is a Senior Member of ISA (Instrumentation, Systems and Automation Society, International)

Srinath Srinivasa

Prof. Srinath received his Ph.D from the Berlin-Brandenburg Graduate School in Germany, where his thesis addressed the problem of modeling the interactive behavior of information systems. He worked with Wipro as an R & D Engineer before his Ph.D. His research interests include Software Engineering, Collaboration Modeling, Open Systems and Data Mining. He is also a steering committee member of DB Junior (Worldwide Database Researchers Organization). He heads the Open Systems lab.

Deepa Verma

Prof. Verma (nee Gupta) received her Masters in Mathematics from Indian Institute of Technology Delhi (India) in 1999, and the Ph.D. in Machine Translation from Indian Institute of technology Delhi in 2005. Before joining IIIT-B, she worked as a researcher in the HERMES research line in the Interactive Sensory Systems division at ITC-irst (Center for Scientific and Technological Research), Trento, Italy. Her research interests include Statistical Machine Translation, Natural Language Processing, Word Sense Disambiguation, Text processing, (Multilingual) Information Retrieval, Questioning Answering System, Text Classification, Information Extraction and Linguistics.

Visiting Faculty

Mihir K. Ravel

Mihir K. Ravel is visiting IIIT-B for the period July 2007 to June 2008, focusing on collaborations with IIITB and Indian academic colleagues to bring more innovation and active learning into the ICT educational process. He is a noted technology executive in the electronics design and automation industries with over 25 years experience in high performance technologies for a diversity of applications including GHz-speed electronics and optical systems, RF/wireless communications, multimedia systems, solid-state imaging, environmental monitoring, smart sensors and factory automation. He has degrees in Physics, Electrical Engineering and Computer Science from M.I.T., along with graduate studies in economics and computational finance from M.I.T.'s Sloan School of Management and the Oregon Graduate Institute. For much of his technical career, he headed Strategic Technologies for Tektronix Inc, a Fortune 500 leader in tools for design and test of electronic systems, and was recognized as the company's first Business and Technology Fellow for his various research and entrepreneurial contributions. Subsequently he was Vice-President of Technology and Corporate Development for National Instruments, a global leader in hardware/software aimed at computer based automation, control, and design. At NI he was responsible for building the company's technology partnerships with the semiconductor and computing industries. Mihir has been an invited speaker on global engineering and education issues at industry and academic forums ranging from corporate boardrooms to the U.S. Engineering Deans Institute to the National Learning Strategies Conference.

Madhukar Pandit

Prof. Madhukar Pandit studied at the University College of Engineering, Bangalore and the Technische Hochschule Karlsruhe in Germany. He obtained the Dr.-Ing. from the University of Karlsruhe (TH) in June 1970. He completed his thesis on the area 'Signal Theory' in the Faculty of Electrical Engineering at the University of Kaiserslautern in 1977. He has worked at the National Aeronautical Laboratory, Bangalore, Brown, Boveri & Cie, Mannheim, Germany and at the Universities in Karlsruhe and Kaiserslautern. He has been Professor and Head of the Institute of Control Systems and Signal Theory at the University of Kaiserslautern 1978 -2004. The areas of teaching and research were control systems, stochastic processes, and image processing. He has been involved with various industrial implementations of novel control methods. Among these, position control in automotive and process industries and the automation system 'MoMAS' for temperature control in extruders have found widespread application. Since January 2007, he is a visiting professor at the IIIT Bangalore.

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Application No.

(please quote this number in all future correspondence)

International Institute of Information Technology Bangalore

(Deemed University)

Master of Technology Program in Information Technology, 2008-2010

TO BE FILLED IN BY APPLICANT

Please write legibly in block letters (use black ink only)

Staple 2 Passport Size Photographs

1. Name : . . . . . .

2. Date of Birth : . . . . . .

3. Sex : . . . . . .

4. Father's Name : . . . . . .

5. Complete Address for Communication : . . . . . .

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. . . . . PIN Code : . . . . . .

Tel. (Including STD Code) : . . . . . Fax . . . . . .

Email : . . . . . .

6. Educational Qualifications : (Start with the highest qualification)

Degree	Branch	College	University	Year of Passing	Percentage CGPA

Indicate the average percentage over all the four years of engineering degree or up to the last term.

7. Performance in GATE exam if taken:
(indicate subject chosen and attach a copy of the score card)

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FOR THE FOLLOWING, ATTACH SEPARATE SHEETS IF MORE SPACE IS NEEDED.

8. Industry Experience, if any:
(indicate designation, name of company, number of years)

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9. Computing Background:

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10. Special Achievements (Academic & extra-curricular):

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Note: iiit-b will do its best to accomodate the requests for center and date allocations as per the preferences chosen by the candidate but candidates may be allocated date and centers other than those indicated in the preferences given in 11, 12 below.

11. Indicate TWO preferences of centre for the Online Admission Test
Enter '1' for first preference and '2' for second preference

☐ Ahmedabad	☐ Chennai	☐ Kolkota
☐ Bangalore	☐ Cochin	☐ Lucknow
☐ Bhopal	☐ Delhi	☐ Mangalore
☐ Chandigarh	☐ Hyderabad	☐ Mumbai

12. Indicate your choice of Examination Date (tick only one):

☐ 30 March, 2008 ☐ 13 April, 2008

Date

Place

Signature of the applicant

Please mail this to

International Institute of Information Technology, Bangalore
26/C, Electronics City, Hosur Road, Bangalore – 560 100
For queries, contact Tel:+91.80.41407777 Fax:+91.80.41407704 E-mail: admissions@iiitb.ac.in Web: http://www.iiitb.ac.in

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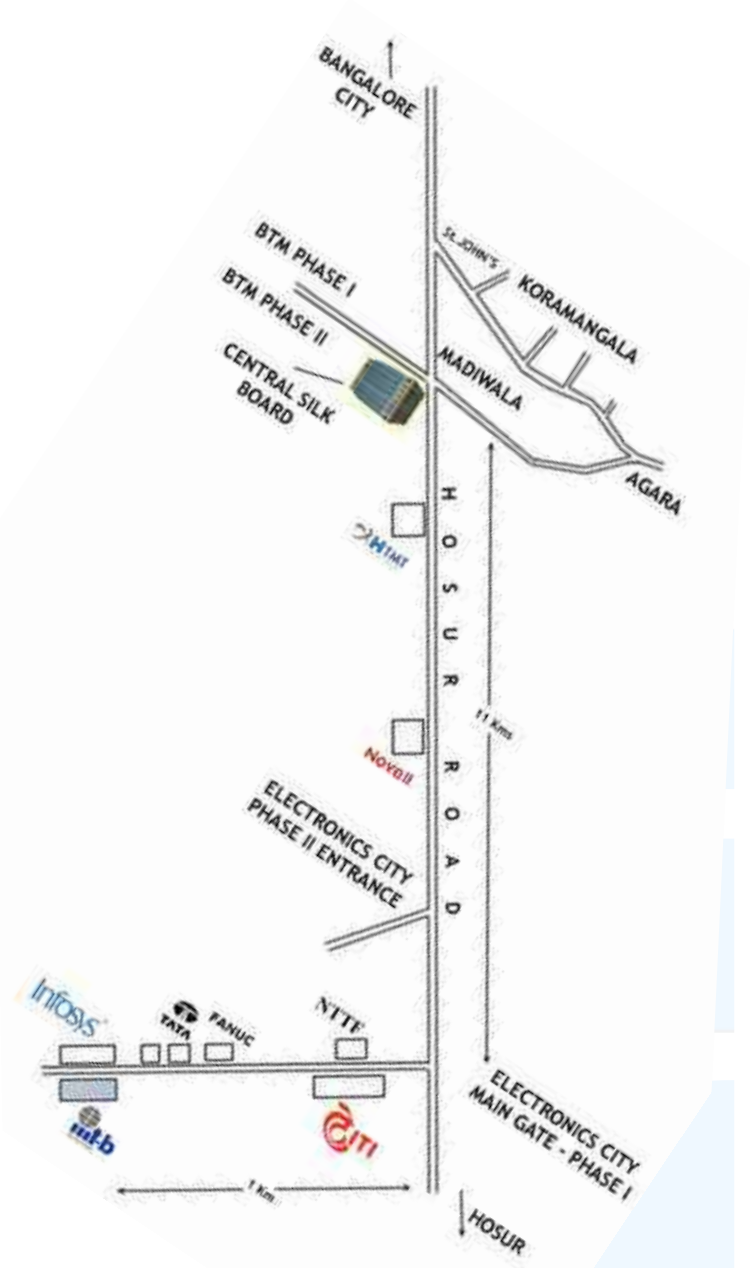

Copies of this brochure can be obtained by paying Rs. 100 at distribution centres located in the following cities

- Ahmedabad
- Bangalore
- Bhopal
- Chandigarh
- Chennai
- Cochin
- Coimbatore
- Delhi
- Hyderabad
- Jaipur
- Kolkata
- Lucknow
- Mangalore
- Manipal
- Mumbai
- Pune

Please refer to the website for specific address

International Institute of Information Technology-Bangalore
26/C, Opp. Infosys (Gate 1),
Electronics City, Bangalore - 560100.
Tel: +91.80.41407777
Fax: +91.80.41407704
http://www.iiitb.ac.in

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Bangalore 560 100, Karnataka India
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web: http://www.iiitb.ac.in

Enquires

admissions@iiitb.ac.in