IGIT

INDIRA GANDHI INSTITUTE OF TECHNOLOGY

PLACEMENT BROCHURE
2010-11

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VISION

To impart technical education to the women of the country. To make them leaders for the promotion of economic and industrial development.

MISSION

To ameliorate its position and become a premier institute in India with global perspective.

MESSAGE

IGIT endeavors to provide quality technical education to girl students.
I take this opportunity to extend my warm wishes to recruiters and invite them to select the best talents from this institute.

Prof. D.K. Bandhopadhyay
Vice Chancellor

IGIT is striving to be amongst the best engineering schools in the country.
It gives us immense pleasure to welcome you to our campus to participate in the placement process and look forward to building a successful relationship by making our students a part of your esteemed organization.

Prof Nupur Prakash
Principal

IGIT welcomes you to the annual campus recruitment process. This is a great opportunity for you to recruit the best of IT students and forge new relationships.

Prof Ashwini Kumar
Head Training and Placement

ABOUT THE UNIVERSITY

Guru Gobind Singh Indraprastha University established by Government of NCT of Delhi under the provisions of Guru Gobind Singh Indraprastha University Act, 1998 read with its Amendment in 1999.

The University is recognised by University Grants Commission (UGC), India under section 12B of UGC Act.

The University has been awarded the ISO 9001:2000 Certification by Standardization, Testing and Quality Certification Directorate, Department of Information Technology, Ministry of Communication and Information Technology, Government of India, for a period of three years.

It has been accredited "A Grade" by NAAC during Feb - March 2007.

It is an affiliating and teaching University that aims to facilitate and promote studies, research and extension work in emerging areas of higher education with focus on professional education in the disciplines of engineering, technology, architecture, management, medicine, pharmacy, physiotherapy, nursing, education, law, journalism and mass communication, etc. and also to achieve excellence in these and related fields and other matters connected therewith or incidental thereto.

It awards various degrees like: B.Tech, M.Tech, MCA, M.Sc. (Environment Management), M.Sc.(Forensic Science), M.Sc.(Ciminology), B.Arch., BCA, BBA, MBA, BMC, B.Sc.(MLT), B.Sc.(Hons) Nursing, BJ(MC), BASLP, BRT, B.Pharma, BPT, MPT, BHMCT, B.Ed., LLB, LLM, MAHM, MCPHM, MHRPD, BHMS, MBBS and Ph.D etc. The admissions to these programmes are done yearly through **Common Entrance Test.**

Address:
Guru Gobind Singh Indraprastha University
Indira Gandhi Institute Of Technology
Kashmere Gate
Delhi 110006

ABOUT IGIT

Established in 1998 by Department of Training and Technical Education, Government of Delhi, Indira Gandhi Institute of Technology at New Delhi is the first Women's engineering college in India. It was formerly known as Mahila Institute of Technology.

Indira Gandhi Institute of Technology was established by Department of Training and Technical Education, Govt. of Delhi, in the year 1998 as the first woman Engineering College in India. The institution was specifically established to impart Engineering education to women of the country, keeping in view the global technological developments and to meet the requirements of the Indian Industry in 21st Century. Out of a number of institutions today affiliated with the prestigious Guru Gobind Singh Indraprastha University, IGIT was the first institute to become the constituent college of the University. Operating from the prestigious old campus of Delhi College of Engineering at Kashmere Gate, Delhi, IGIT has made a modest beginning by opening three B.Tech Engineering degrees which are:-

Computer Science and Engineering

Electronics and Communication Engineering

Mechanical and Automation Engineering

The students at IGIT are selected through a Common Entrance Examination conducted by GGS Indraprastha University at all India level. These students not only go through the rigors of academics during the four years engineering programme but are also equipped with good managerial and communications skills acquired through seminars, guest lectures, etc. There has been dynamic progress at Indira Gandhi Institute of Technology in academic and technical activities alongwith improvement in facilities and infrastructure to keep it at par with the premier institutes of the country. Many new labs have been added in all the departments.

Invitation to Industry

Greetings from the Indira Gandhi Institute of Technology!
IGIT has a reputation of producing the best and the brightest students. In line with this legacy, much of IGIT's strengths are rooted in its impeccable infrastructure-be it faculty, supportive staff or facilities. Our faculty is from leading national institutions and industries having experience in extensive research, consultancy and myriad leadership skills. The candidates for 2010-11 recruitment will consist of B.Tech (CSE,MAE,ECE). Our students will be professionals waiting to make their mark in corporate world.

We welcome you to the placement process at IGIT and recruit the technocrats of tomorrow.

IGIT as an Institution

What sets IGIT fundamentally apart is the continuously cultivated culture of learning which pervades throughout the college. IGIT religiously follows an educational culture that is substantiated by persistently updated world-class curriculum with focus on research activities, industry-institute collaboration, and interactions with other renowned universities across the country.

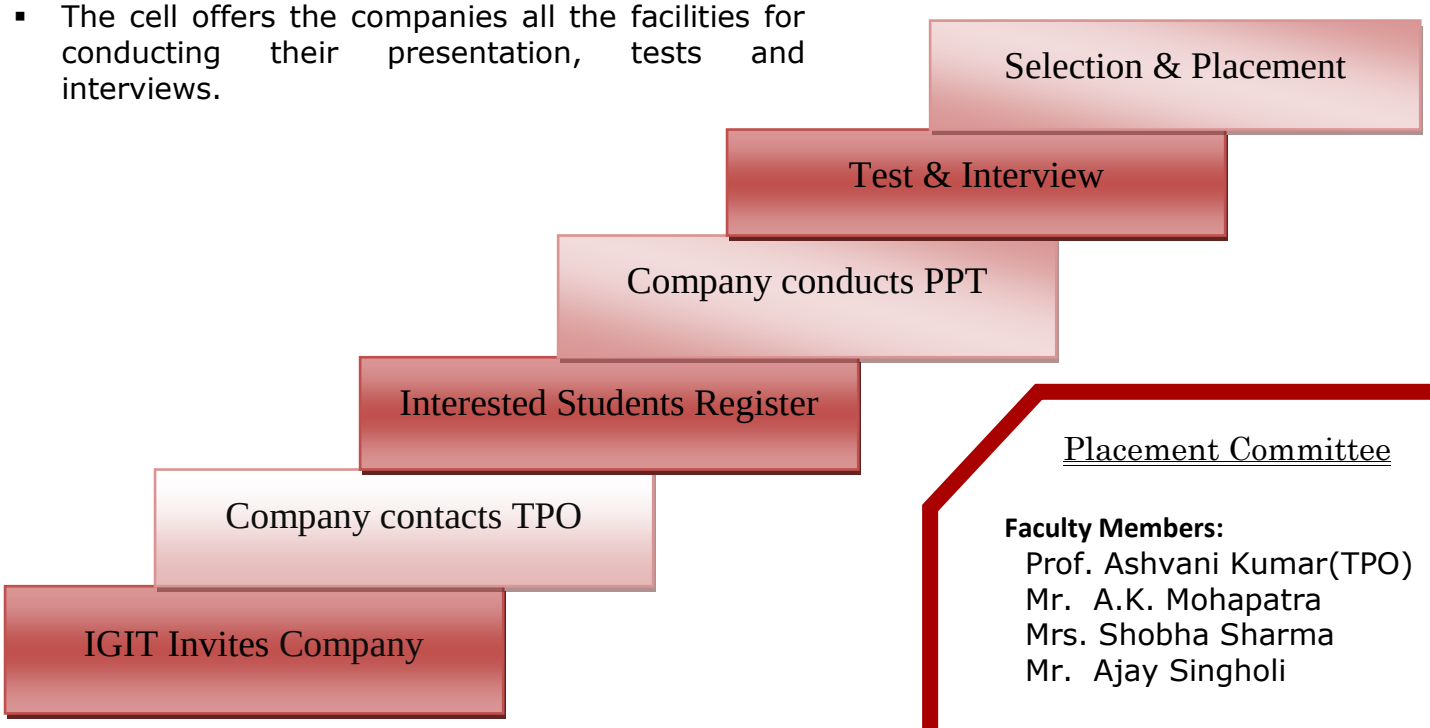
- Industry-ready curriculum regularly reviewed and updated.
- We have a dedicated team of highly qualified faculty.
- We have state-of-the-art laboratories and resource center.
- Our students are the top rankers of national-level entrance test.
- ISO 9001:2000 certified and accredited 'A' grade by NAAC.

Placement Cell

The Training & Placement cell of IGIT is an integral part of the institute. The placement cell with its goal to "deliver the best" is not only a boon to the students but also to the corporate industry as well. It always aims at mutual benefits for both-the industry & IGIT.

The major activities of Placement Cell include :

- Preparing the students to face competitive examinations and interviews through intensive training programs. It does an excellent job in guiding the students to give an edge to their intelligence and hard work and identify themselves as professionals.
- It provides a platform of learning through experience to the students not only for surviving in the cut throat competition but also leading the same.
- Inviting companies to the college campus for recruiting students for placement in their organizations.
- The cell offers the companies all the facilities for conducting their presentation, tests and interviews.



Placement Committee

Faculty Members:

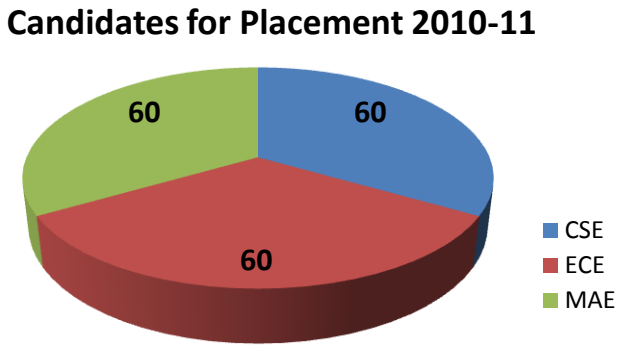
Prof. Ashvani Kumar(TPO)
Mr. A.K. Mohapatra
Mrs. Shobha Sharma
Mr. Ajay Singholi

Student coordinators:

There has always been an active involvement of the students in the placement cell of IGIT.

Candidates for Placement

IGIT takes a holistic approach in shaping student's career. The curriculum provides an integrated approach towards academic depth and practical knowledge, emphasizing on the multidimensional development of the students. The figure shows a total of 180 candidates who will be ready for placements in 2010-11.



B.TECH(CSE,ECE,MAE)

B.Tech is a four-year full time program designed to provide students a solid conceptual foundation and an extensive focus on emerging technologies.
The objectives of the program are:

- To promote convergence of knowledge, information, technology and skills.
- To ensure total personality development of 'would be' engineers.
- To impart specialized knowledge and skills to the students in various engineering disciplines.
- To work in collaboration with other institutions/industries.

Btech (CSE)

Sem 1

- Applied Mathematics – I
- Applied Physics – I
- Applied Chemistry – I
- Manufacturing Process
- Introduction to Computers and Auto CAD
- Communication Skills – I
- Impact of Science & Technology on Society

Sem 2

- Applied Mathematics – II
- Applied Physics – II
- Applied Chemistry – II
- Introduction to Programming
- Engineering Mechanics
- Electrical Science
- Communication Skills – II

Sem 3

- Applied Mathematics – III
- Analog Electronics
- Circuits and Systems
- Foundations of Computer Systems
- Object Oriented Programming using C++
- Data Structures

Sem 4

- Software Engineering
- Algorithm Analysis & Design
- Digital Circuits & Systems-I
- Communication Systems
- Computer Graphics
- Operating Systems

Sem 5

- Digital Circuits & Systems – II
- Java Programming and Website Design
- Computer Architecture
- Linux and X-Windows Programming
- Database Management Systems
- Organizational Behaviour

Sem 6

- Microprocessor Systems
- Object Oriented Software Engineering
- Computer Networks
- Digital Signal Processing
- Data Warehousing & Data Mining
- Multimedia Technologies

Sem 7

- Advanced Computer Networks
- Advanced Computer Architecture
- Elective-1 from set-1
- Elective-1 from set-1

Sem 8

- Artificial Intelligence
- Software Testing
- Elective-1 from set-2
- Elective-2 from set-2

Electives-1

- Compiler Construction
- Mobile Computing
- VLSI Design
- Digital Image Processing
- Requirements & Estimation Techniques
- Project

Electives-2

- Soft Computing
- Embedded System
- E-Commerce & ERP
- Network Security
- Mobile Communication

Btech (MAE)

Sem 1

- Applied Mathematics – I
- Applied Physics – I
- Applied Chemistry – I
- Manufacturing Process
- Introduction to Computers and Auto CAD
- Communication Skills – I
- Impact of Science & Technology on Society

Sem 2

- Applied Mathematics – II
- Applied Physics – II
- Applied Chemistry – II
- Introduction to Programming
- Engineering Mechanics
- Electrical Science
- Communication Skills – II

Sem 3

- Numerical Analysis & Programming
- Electronics
- Thermal Science
- Mechanics of Solids
- Production Technology
- Mechanics of Fluids

Sem 4

- Kinematics & Dynamics of Machines
- Heat Transfer
- Manufacturing Machines
- Electrical Machines
- Operation Research
- LAN & Networking

Sem 5

- Microprocessors & Applications
- Machine Design- I
- Material Science & Metallurgy
- Measurements & Controls
- Database Management

Sem 6

- Management of Manufacturing System
- Machine Design-II
- Metrology
- Fluid Systems
- Metal Cutting & Tool Design

Sem 7

- Computer Aided Manufacturing
- Mechatronics
- Elective-1 from set-1
- Elective-1 from set-1

Sem 7

- Quality Control & Quality Assurance
- Robotics
- Elective-1 from set-2
- Elective-2 from set-2

Electives-1

- Refrigeration & Air-Conditioning
- Solar Energy
- Personnel Management
- Metal Forming
- Automotive Engineering
- Manufacturing Information Systems
- Computer Aided Design
- Project

Electives-2

- Optimization Techniques
- Advanced Methods of Mfg.
- Mechanical Vibrations
- I.C. Engines, Emissions & Pollution Control
- Gear Technology
- Financial Management
- Reliability & Maintenance
- Power Plant Practice Management
- Finite Element Methods

COURSE CURRICULUM

Btech (ECE)

Sem 1

- Applied Mathematics – I
- Applied Physics – I
- Applied Chemistry – I
- Manufacturing Process
- Introduction to Computers and Auto CAD
- Communication Skills – I
- Impact of Science & Technology on Society

Sem 2

- Applied Mathematics – II
- Applied Physics – II
- Applied Chemistry – II
- Introduction to Programming
- Engineering Mechanics
- Electrical Science
- Communication Skills – II

Sem 3

- Applied Mathematics – III
- Signal & Systems
- Circuits and Systems
- Analog Electronics – I
- Object Oriented Programming using C++
- Data Structures

Sem 4

- Software Engineering
- Analog Electronics – II
- Digital Circuits & System – I
- Communication Systems & Circuits – I
- Electromagnetic Fields & Transmission Lines
- Operating Systems

Sem 5

- Digital Circuits & Systems – II
- Control Engineering
- Computer Architecture
- Communication System & Circuits – II
- Database Management Systems
- Organizational Behaviour

Sem 6

- Microwave Engineering
- Microprocessor Systems - I
- Computer Networks.
- VLSI Design
- Telecommunication Networks
- Digital Signal Processing and its applications

Sem 7

- Microprocessor Systems-II
- Optical Communication
- Elective-1 from set-1
- Elective-1 from set-1

Sem 8

- Mobile Communication
- Embedded System
- Elective-1 from set-2
- Elective-2 from set-2

Electives-1

- Network Technology
- Mobile Computing
- Advanced VLSI Design
- Digital Image Processing
- Power Electronics
- Advanced Computer Architecture
- Computer Graphics
- Project

Electives-2

- Consumer Electronics
- Artificial Intelligence
- Instrumentation
- Network Security
- Bio Medical Electronics
- Integrated Circuit Technology
- Introduction to NanoTechnology

Networking Lab

Networking lab is equipped with 17 nodes (configured Wipro systems) and 2 switches. All the computers are connected in LAN and have internet connection. It also has LAN trainer kit to simulate the implementation of networks.

Programming Lab

Programming lab is equipped with Wipro systems and all the systems are LAN connected. The lab is very much instrumental in helping students developing strong programming skills. Software packages for Turbo C, Visual C++, and Java are installed in all the systems.

DBMS Lab

DBMS lab is well equipped with P4 systems. Softwares like flash, my SQL, Oracle are installed in the systems. For about capacity for 30 students, lab is equipped with new systems and projector facilities.

Signal Processing Lab

This lab has been setup to conduct experiments in realm of advanced digital signal processing. It possesses Wipro systems. Also lab has acquired DSP starter kits from TEXAS Instruments. MATLAB software has been provided with various toolboxes for design activities. The infrastructure provided also helps in the design and implementation of digital filters.

VLSI LAB

The Lab possesses ORCAD tools, Design bundles for VHDL compiler to facilitate VHDL programming. The lab also provides simulators for VHDL programming such as ModelSim.

Infrastructure



Microprocessor Lab

The lab provides an excellent infrastructure to students for conducting experiments with microprocessors. The lab is equipped for 8086 microprocessor training kits,8051 microcontroller kits, bus extension units and various study modules.

Electronics Lab

Electronics lab enables students to conduct experiments in realm of logic design electronic devices and circuits, communication systems and digital communication. Lab is equipped with CROs, bread boards and various trainer kits.

Satellite and Communication Engineering Lab

The lab is equipped with satellite transmission system, spectrum analyser, microwave test bencher and fibre optical transmission system.

Applied Sciences Lab

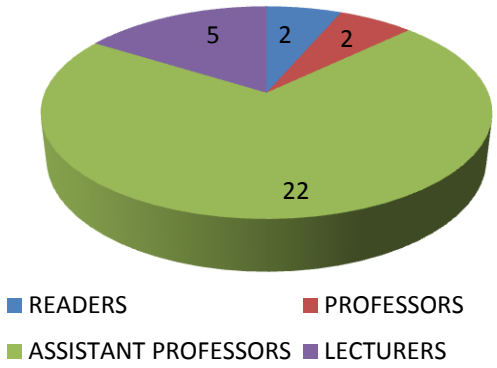
The applied Sciences lab possesses two distinct domains.One domain is the applied physics lab and the other is applied and engineering chemistry lab. It caters first year students.

Library

The IGIT library has highly selective collection of over 18,000 books in areas of Science,Engineering, Technology and Management. Two multimedia PCs are dedicated to access e-recourses and digital information.

FACULTY

Faculty in IGIT is highly characterized by the finest levels of learnedness and orientation towards research. The faculty is actively involved in various conferences and research paper publications. All the faculty members have contributed towards the development of IGIT in their own special way. Following is a list of faculty members:



PRINCIPAL

Dr. Nupur Prakash, ME (CS&T), University of Roorke, PhD

HEAD OF DEPARTMENTS

Computer Science

Dr. Devendra Kumar Tayal, MTech (CS&T), PhD (CS&T)-JNU

Electronics and Communication

Prof. Shail Bala Jain, MTech (ECE)-IIT D, PhD (ECE)-DU

Mechanical and Automation

Dr. Chitra Sharma, MTech, PhD-IIT D
Post Doctoral Research-University of Calgary (Canada)

PROFESSORS AND ASSISTANT PROFESSORS

Mr. SRN Reddy (Asstt. Professor)
Ms. Kalpana Yadav (Asstt. Professor)
Mr. AK Mohapatra (Asstt. Professor)
Ms. Vibha (Asstt. Professor)
Ms. Nazme Zehra Naqvi (Asstt. Professor)
Mr. Vivekanand Jha (Asstt. Professor)
Mr. B Inder Thanaya (Asstt. Professor)
Mr. Pankaj Tomar (Asstt. Professor)
Mr. Ajay Singholi (Asstt. Professor)
Mr. Nathi Ram Chauhan (Asstt. Professor)
Ms. Deepti Chabbra (Asstt. Professor)

Mr. Ashwini Kumar (Professor)
Mr. BS Chawla (Asstt. Professor)
Ms. Shobha Sharma (Asstt. Professor)
Ms. Vandana Niranjan (Asstt. Professor)
Ms. Priyanka Jain (Asstt. Professor)
Mr. Akash Tayal (Asstt. Professor)
Mr. M Gangadharappa (Asstt. Professor)
Ms. Maria Jamal (Asstt. Professor)
Mr. Pankaj Gupta (Asstt. Professor)
Mr. Kanchan Sharma (Asstt. Professor)
Ms. Greeshma Arya (Asstt. Professor)

Ericsson's launch of **University Relationship Program – EMPOWER** with IGIT. Ericsson has signed an MoU on internship programs with IGIT.

Summer -Training Program organized by IGIT in collaboration with **Nokia University Relations** at Delhi.

The students undergo 8 weeks of industrial training with most reputed companies after 6th Semester during which students take up live projects from industries like HCL Technologies, ST Micro Electronic, Yamaha motors, NPL, DRDO, C-DOT, DMRC etc. IGIT gets the support of many visionary organizations such as GE foundation, Bharti foundation, Microsoft to promote/support the students in terms of merit based scholarships

Students' Activities

Anugoonj

Anugoonj – the Annual Cultural Festival of Guru Gobind Singh Indraprastha University was initiated by the University in the year of 1999. This cultural festival is organized in the month of February every year. Around 120 affiliated institutes of the university participate in the festival. This 4-day extravaganza is a perfect blend of enthusiasm, entertainment, creativity and talent. A plethora of events like dancing, singing, debates, creative writing, theatre, poetry, etc., are part of this grand festival wherein students actively participate and manifest their talent. The gala event draws students from institutions all over India.

Impulse

IMPULSE is the technical festival of Indira Gandhi Institute of Technology in association with IEEE Student Branch. It lasts for 3 days. The aim of IMPULSE is to foster a scientific temperament among the students through different means to cater to all kinds of talent. It ignites the spark of technical competitiveness amongst students. Our vision has been to bring science and technology to the masses and to inspire them to achieve the unexpected by providing them with a platform to showcase their skills. Broadening its spectrum, this year's IMPULSE hopes to see active participation from students various colleges of India.

Xebec

Xebec, the annual technical fest organized by Mechanical and Automation department of Indira Gandhi Institute of Technology (IGIT) is organised in association with Society of Automotive Engineers (SAE). It provides a platform to all the tech enthusiasts to showcase their talents by participating in the wide variety of events held here. The competitions at Xebec are categorized into 2 parts; Technical and Non-Technical. The literary events form a part of Non-Technical events.

Technical Societies of IGIT

CSI IGIT

CSI IGIT student branch is a technical society which serves as a platform for the innumerable budding ideas of IGITians. CSI IGIT is a pedestal for the young achievers of tomorrow.

Members can participate, organize and be a part of the confluence between the technology and academia in every way. The *CSI IGIT* Student Branch was formed on 18th August, 2008 under the guidance of Dr. Devendra Tayal (HOD, CSE and Branch Counselor, CSI IGIT), Ms. Vibha (Lecturer and Faculty Advisor, CSI IGIT). With its objective of "Learn, Envision and Inspire" ,the branch aims at creating a technology oriented environment in IGIT.

The IGIT IEEE Student Branch is one of the most active student branches under the Delhi Section, Region 10 (Asia Pacific). Since its establishment in 2004, it has made its presence felt at all the major events under IEEE: be it the national conference or the technical fests in the leading colleges.

The annual IEEE technical festival "IMPULSE" has seen massive participation from all over the country. Also, it has been actively involved for the past quarter in the Global Integrated Network for IEEE (GINI) Project initiated at the R10SC for Networking amongst all IEEE R10 Student Branches. 3 of our students are a part of the Delhi Section GINI Committee.

Established in 2000, SAE-IGIT Collegiate Club enabled IGIT to become an integral part of Society Of Automotive Engineers, based in Detroit, U.S.A. It provides the student members of IGIT with an ideal platform for having an insight in all the technological revolutions taking place around the world.

SAE-IGIT collegiate club organizes "Xebec" , the Technical Fest every year and has seen active participation from students all over Northern India. It has also been organizing competitions like Automotive Crossword, Mechanical Case study, Automotive Quiz, AutoCAD Designing from time to time around the year.

IGIT AT FSAE AUSTRALASIA

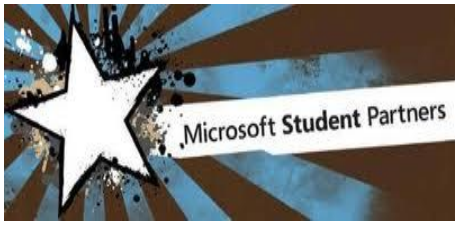
Formula SAE is an international student design competition organized by the Society of Automotive Engineers. Our girls collaborated with students from MAIT to work on this challenging project. The event was held in Victoria University, Werribee, Melbourne in Australia from 27th to 30th November. The team in its first attempt at the event cleared the scrutiny, tilt test and the brake test.

It bagged the cost event award. No Indian team has ever won an award at an SAE event. It was ranked 20th, above all Indian teams. This event has definitely made us proud and it clearly shows the high technical capabilities of the students.

KALPANA CHAWLA AWARD

Many students of IGIT have been the receivers of the prestigious Kalpana Chawla Award. Last year it was the fourth consecutive time that girls from IGIT received this prestigious award given for excellence in Academics, Extra-curricular activities, Participation in SAE Activities, Special achievements and recognitions. This year, The success story continues with 2 final year students grabbing the third and the fourth positions.

MICROSOFT STUDENT



The Microsoft Student Partners is a worldwide educational program to sponsor students majoring in disciplines related to technology. The MSP program attempts to enhance students' employability by offering training in skills not usually taught in academia, including knowledge in various Microsoft technologies.

Many students from IGIT are part of this global program.

SUN MICROSYSTEMS STUDENT

SUN Microsystems conducted a campus ambassador program in mid Oct 07, & selected a student as the Sun campus ambassador.

SCHOLARSHIPS

3 scholarships by GE Bangalore and 8 scholarships by Bharati Foundation were awarded to IGIT students.

PAST RECRUITERS

Contact Us…@ IGIT

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