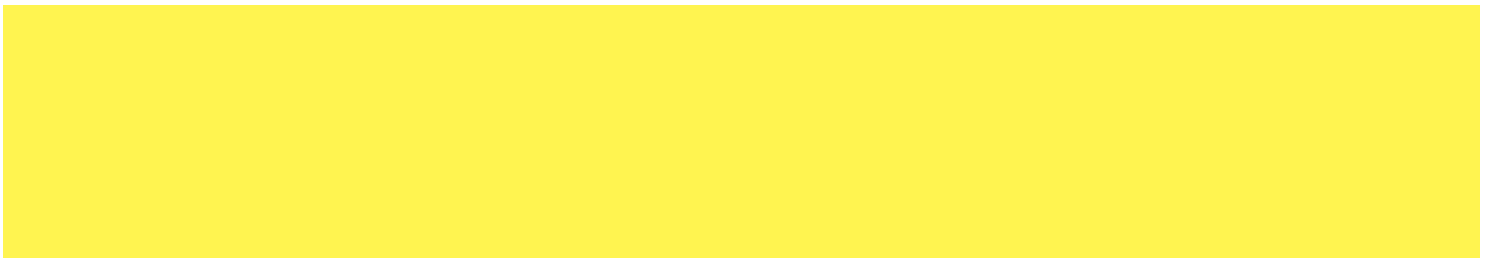




NATIONAL INSTITUTE OF TECHNOLOGY GOA

Placement Brouchure
2015-16





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Director's Message



It is my privilege being the Director of the Institute, which is graduating its second batch this year. The institute aims at providing quality education and producing people equipped with necessary skills to work in this fast changing world. The world is changing too fast in terms of technology, skills and working environment. Therefore, it is necessary that the upcoming skill force have adequate preparation in their forming years.

The Institute has taken adequate care in terms of building strong foundation of the students. The students have been exposed to strong-foundation courses in terms of analytical and computing skills.

With emphasis on problem solving and laboratory projects in small teams, they are prepared to work deeply in the real working environment. The students have worked with faculty members on a number of innovative projects. It is a matter of pride for this new institute that some of their works have been published in International conferences.

On behalf of NITGoa, it is my privilege to invite companies for the campus recruitment that are looking for talented pool of people. I am sure that you will be greeted with young, bright and aspiring minds.

Prof. G.R.C. Reddy

Director, NIT Goa



About NIT Goa

The National Institute of Technology Goa is a premier technical Institute of the region. NIT Goa was established in the year 2010 by an act of parliament (NIT act 2007) and it is declared as 'Institute of National Importance'. NITGoa is an autonomous institute and functioning under the aegis of Ministry of Human Resource Development (MHRD), Govt. of India. The campus is located at Farmagudi, Ponda approximately 28 km south-east of Panaji, the capital of Goa.

NIT Goa started its academics in 2010 with three engineering departments - 1. Computer Science and Engineering 2. Electronics and Communication Engineering and 3. Electrical and Electronics Engineering at undergraduate level. Also NIT Goa started its M.Tech Courses in CSE, VLSI, and Power Electronics and Power Systems from year 2014. NIT Goa attracts students from all over the country and abroad. The Institute admits students into the B.Tech degree program on the basis of ranks obtained in the Joint Entrance Examination, JEE Mains since 2013 and the scheme of Direct Admission of Students Abroad (DASA) and M.Tech Post-Graduation program and Ph.D Admission on the basis of GATE score.

The institute provides the ambience where creativity and new ideas flourish, producing leaders of tomorrow by imparting learning blended with excellence. The dynamic and constantly evolving academic programme reflects the institute's commitment to stay abreast with the expanding frontiers of knowledge worldwide. Extra-curricular activities enjoy equal importance towards overall development of students, making them fit for the challenges of the corporate world.

सा विद्या या विमुक्तये

True Knowledge Liberates

B.Tech Courses

B.Tech Programs and their Objectives

CSE, ECE & EEE

1. Computer Science and Engineering:

The B. Tech. program in Computer Science and Engineering is aimed at offering world-class education and cutting-edge research opportunities to its students.

2. Electronics and Communication Engineering :

The curriculum of the department incorporates core, elective and open elective courses for a broad based and in-depth training. The curriculum is also dynamic and insync with the growing demands of the industry and the research community.

3. Electrical and Electronics Engineering:

The major aim of the department is to strive for excellence in the core field of Electrical Engineering coupled with Electronics. The curriculum of the department demands rigorous hardwork and creativity.

Departments

Computer Science and Engineering **CSE**

The Department of Computer Science and Engineering was established along with the inception of the institute in 2010 with the objective of offering world-class education and cutting-edge research opportunities to its students. The department currently enrolls more than hundred students in all four years of its intake. The department is guided by highly qualified and energetic faculty members with diverse research interests.

On the educational front, the curriculum is designed with a motive to prepare students to be industrial and academic leaders who can apply computer science principles across a wide variety of fields. On research front, some of the major areas undertaken by the department are DataMining, Artificial Intelligence, Computational Biology, Pattern Recognition, Machine Learning, Digital Communications, Information Theory and Applications, Algorithms in Information Processing, Learning and complexity, Wireless Sensor Networks, Cryptography and Information Security.

In order to match with the fast pacing technologies, various interactive workshops and seminars are organised by the department all throughout the year. To foster unity among all the batches of the branch, students have taken an initiative to form students' organisation for Computer Science known as CSEA (Computer Science Engineering Association).The organisation is responsible to plan meets such as annual gatherings, technical events that cater to the needs of a progressive and learning environment.

Departments

Electronics and Communication Engineering **ECE**

The Department of Electronics and Communication Engineering was established along with the inception of the institute in 2010. The department has a special place in the institute because of its interdisciplinary nature. It has attracted faculty members from IISc, IITs and other leading institutes of the country and abroad.

The department is making sincere efforts in creating a system where creativity and new ideas flourish. The curriculum of the department incorporates core, elective and open elective courses for a broad based and in-depth training. The curriculum is also dynamic and insync with the growing demands of the industry and the research community. It incorporates the inputs from leading academia and industries. The faculty members are active and have diverse teaching and research areas. Some of the areas of interest are Analog & Digital VLSI systems, High level design, Signal Processing, Digital Image & Video Processing, Multimedia Systems and Coding, Information Theory, Digital Communication, Wireless Communication and Biometrics. The students are exposed to research projects, design and prototyping systems at various stages.

The department has SPECTRA as its students' organisation which is responsible for organisation of events, seminars and workshops all throughout the year. The student organisation promotes a wonderful cooperative environment under the guidance of their proficient and able faculties.

Departments

Electrical and Electronics Engineering

EEE

The Department of Electrical Engineering, since its inception in the year 2010, has been nurturing the talent of the engineering students to make them competitive globally. The major aim of the department is to strive for excellence in the core field of Electrical Engineering coupled with Electronics.

The curriculum of the department demands rigorous hardwork and creativity. The Department aims at quality education by facilitating a sound foundation in theoretic fundamentals through a combination of good teaching environment and excellent laboratory & computational facilities. It also provides valuable exposure to industrial and research practices through regular industrial visits and inclusion of students in various research projects. This helps students to work on real time problems and promote uninhibited thinking. All the faculties are from premier institutes like IISc, IITs, and NITs. The Student members are actively engaged in various research areas ranging from practical implementation to theoretical investigations. Some of the research areas are Power Electronics Applications to Power Systems, Power Quality Improvement Issues, Electric Drives, Multi-level Inverters, Soft Computing Techniques and Non conventional Energy Sources.

The student council for the department called as 'The Electrical Students Luminous Association (TESLA)' is responsible for organizing events and workshops in the Institute on behalf of the department. They have successfully organized many field trips to gain practical experience and to foster a deeper learning and understanding of the theoretical concepts.

Departments

Humanities and Sciences

HSS

Mathematics, Physics,
Humanities, Chemistry,
English, Economics

The department is truly interdisciplinary in nature and offers courses in basic sciences and humanities. The department specifically offers courses in Basic Sciences, Mathematics, English, Economics and Social Sciences. These courses are primarily required for providing foundation as well as broad background in Physics, Chemistry, Mathematics, Professional Communication, Engineering/Managerial Economics and a few Mandatory Learning Courses (MLC) like Environmental Studies and Professional Ethics and Human Values. A course structure which integrates science and humanities with core engineering courses and the availability of program electives provides the makes students experienced in making choices and ensures rational and creative thinking among them.

M.Tech Courses

M.Tech Programs and their Objectives

CSE, VLSI, Power Electronics & Power systems

1. Computer Science and Engineering:

The M. Tech. program in Computer Science and Engineering is aimed at preparing Computer professionals for research, academics, design and development in hardware, software and co-design technologies. The purpose of the program is to generate professionals capable of supporting Research and Development activities in critical areas of computer science and engineering.

2. Electronics and Communication Engineering - VLSI Program:

The M. Tech Program in VLSI aims:

- To provide hands-on design capabilities for Analog, Digital, and Mixed signal IC design in low power Nanometric Technology.
- To provide exposure in terms of Design, Model, Simulate and Implementation methodologies using EDA and TCAD Tools.
- To introduce with new emerging Technologies in VLSI/ULSI for ultra-low-power applications.

3. Electrical and Electronics Engineering - Power Electronics and Power Systems:

The M. Tech Program in Power Electronics and Power Systems aims :

- To train graduate engineers in the field of Power Electronics and Power Systems.
- To make them versatile in new emerging Technologies for high power applications.
- To train competent engineers and professionals, who can meet the demands of the industries as well as academia in the fields of power electronics and power systems.

Ph. D Courses

Broad Areas of Research:

NIT Goa started research based Ph. D program in following areas:

Computer Science and Engineering:

Data Mining, Wireless sensor networks, machine learning, Computer Vision, Content based information retrieval, Cryptography and Information security.

Electronics & Communications Engineering:

Digital Signal Processing, Image and Video Processing, Pattern Recognition and Machine Learning, Communication Engineering, Wireless Communication, Information Theory, Analog and Digital VLSI Circuits and Signal Processing, Solid State Devices, Nanotechnology, Micro-electronics and Embedded systems.

Electrical & Electronics Engineering:

Power systems, Control systems, Power Electronics and Drives.

Humanities and Sciences:

Economics:

Macro Monetary Economics, International Trade and Finance, Financial Economics and Development Economics.

English:

American Literature, British Literature, Indian Writing in English.

Chemistry:

Electron Paramagnetic Resonance spectroscopy.

Mathematics:

Fluid Dynamics, Inverse Problems, Numerical Optimization, Mathematical Ecology, Non-linear Dynamics and Stochastic Modelling in mathematical Biology.

Physics:

Photonics and Fiber optic Sensors.

INFRASTRUCTURE

ACADEMIC BLOCKS



The Institute currently functions from its independent campus at Farmagudi, Ponda. The campus is self-sustained and is well equipped with requisite amenities to meet the needs of institute such as classrooms of different sizes, laboratories, library, Air conditioned conference hall, administrative block, medical room and a seminar hall.

LECTURE HALLS



The Institute possess neoteric classrooms, lecture halls and conference hall. Each one of them is well equipped with modern facilities such as Multimedia Projector, LAN & WiFiconnectivity, etc., which go along well with today's digital age of teaching. It is made sure that the students get an atmosphere which is comfortable, enhances learning and foster their young minds.

INFRASTRUCTURE

COMPUTING FACILITIES

The Institute paces its technical education with two of its well-equipped computing laboratories. These life-lines of the Institute manages all the computational and network services. NIT Goa has an extensive fiber optic network over the entire campus. The Internet connectivity to the campus is through a 1 Gbps Leased Line connection from BSNL (NKN) and another leased line from the other private ISP has been procured.



RESOURCES

Linux Based Web Server
IBM Server (X3850 X5)
Dell Blade server (6 Blades)
Cisco Router 2900 Series
Cisco ME 3800 X Metro switch
Cisco 300-28P Switches
DlinkAccess points (DWL3200)

OPERATING SYSTEMS

Window 8,7 Professional
Linux (Cent OS 5.1,
Ubuntu 12.04,13.04)

SOFTWARES

- Matlab2012b with more than 20 tool boxes (Simulink, Communication System Tool box, DSP Toolbox etc)
- All Microsoft Licensed Products
- All open source software

LAB FACILITIES

- Three computer labs with 75 High end Desktops (With Dual operating systems -windows and linux)
- LAN Connectivity in each lab and Wi-fi Connectivity in all classrooms, Faculty block and hostels.

INFRASTRUCTURE

ELECTRONICS LAB FACILITIES

In addition to the computing facilities, there are labs equipped with latest experimental setups to aid the understanding and implementation of various courses. Well qualified Lab assistants along with the professors are present at all times during the lab sessions.



ANALOG & DIGITAL ELECTRONICS LAB

- Digital Storage Oscilloscope (70MHz, 2 channel & 30Watt)
- DC Power supply(0 to 30V DC) Variable Supply (5V, 15V & 30V)
- Digital Function Generator, 1MHz Frequency with 50MHz Frequency Counter.
- Digital IC Trainer Kits 4mm Terminal, 5V DC \pm Power supply, 12VDC \pm Power supply 1 KHz to 10KHz Square wave pulse

MICROPROCESSORS AND MICROCONTROLLER LAB

- 8085, 8086, 8051 MEL Microprocessor Trainer kit
- Interface Card
 - Stepper motor interface
 - Dual DAC interface
 - 8 bit ADC interface
 - Elevator interface
 - 7 segment display interface
 - LCD display

ANTENNAS LAB

- Printed Dipole,
- Printed Yagi ,
- Microstrip Patch Antennas.

OPTICAL COMMUNICATION LAB

- OTDR FIRECT (Dual wavelength-Single mode 1310/1550)
- PLL Synthesized signal Source I (5MHz – 2GHz PLL synthesized signal generator Memory: 1000 individual frequencies can be stored)
- PLL Synthesized Receiver(1 . 5MHz – 2GHz PLL Synthesized power meter)

MICROWAVE ENGINEERING LAB

- Directional coupler
- Microstrip Ring Resonator
- Ring Resonator
- Wilkinson power Divider
- Klystron power supply
- Klystron mount
- Waveguide
- Klystron Tube

VLSI LAB

- DELL Workstation, RAM: 64 GB, Graphics: 6 GB
- Cadence and Silvaco – 30 Users
- 30 Desktops, i7 3rd Gen, RAM : 8 GB, Graphics: 1 GB
- OS: RedhatLinux 6.5

INFRASTRUCTURE

ELECTRICAL LAB FACILITIES



Electrical Machines Lab

- Single phase transformer (2 kVA and 1 kVA)
- Coupled DC Compound Generator
- Coupled DC Series Generator
- Coupled DC Shunt Motor
- Single Phase Capacitor Start & Run Motor with Mechanical Loading and anti-vibrating pad
- Squirrel cage Induction motor with Mechanical loading arrangement
- Photo Tachometer 2.5 To 99999 RPM
- Contact Tachometer 0.5 To 19.999 RPM
- Synchroscope
- Single Phase and Three phase, 50Hz manual operated variable auto transformer.
- 3-Phase variable Inductive Loading Unit
- DC Rectifier Unit
- Synchronization at alternator with Infinite Bus
- Field Test on DC Series Motor
- Load characteristics of DC Compound Motor

Electrical Measurements lab

- 1-ph Energy meter
- Kelvin's double bridge, Wheatstone bridge, Anderson bridge, Schering bridge, Maxwell's bridge.
- Piezoresistive transducer, footpump, bourdon gauge and pressure tank –5kg/cm²



Power Electronics

- Static characteristics of SCR, MOSFET and IGBT trainer kit
- SCR turn -on circuit using synchronized UJT relaxation oscillator trainer kit
- SCR Digital triggering circuit for a single phase controlled rectifier and AC voltage controller trainer kit
- Single -phase controlled full wave rectifier with R and R-L loads trainer kit.
- AC voltage controller using TRIAC and DIAC combination connected to R & R-L load trainer kit.
- Speed control of a separately excited D.C. motor using an IGBT or MOSFET chopper trainer kit
- Speed Control of D.C. motor using single semi converter trainer kit
- Speed control of universal motor using AC voltage controller
- Series inverter and Parallel inverter with R & R L loads trainer kit
- MOSFET & IGBT 1-ph Full Bridge Inverter
- Study of Commutation
- Characteristics of Buck & Boost Converter
- Digital LCR Meter (measuring inductor)
- OPALRT

Circuit Theory Lab

- Digital Storage Oscilloscope 70MHz, 2 channel & 30Watt
- DC Power supply 0 to 30VDC Variable
- Digital Function Generator, 1MHz Frequency with 50MHz Frequency Counter
- Multimeters Make: Fluke 115 True RMS

INFRASTRUCTURE

HOSTEL, SPORTS & OTHER FACILITIES



The Institute campus houses three hostels for boys and one for girls. The hostels are Wi-Fi enabled and well equipped for comfortable lodging and boarding of the students. Bank, Medical & Canteen facilities in the campus add to the state-of-the-art infrastructure. Along with the course work, sports and other extra-curricular activities are very well encouraged. Recreational facilities include a badminton court & grounds equipped for cricket, football, volleyball and basketball.

INFRASTRUCTURE

LIBRARY CENTRE



The Library of the National Institute of Technology Goa is a continuous growing organism with the compact features; document, user and services. Its core objective is to support academics in knowledge generation through educational activities; teaching and research. It formerly appeared in 2011. It has the qualitative documents on Science, Technology, Engineering, Economics & Finance, Management, Professional Communication and Ethics other subjects. Apart from these core collections, documents on literature and other subjects are also available. Library follows the 'recommendation method' to procure the documents, to meet the core knowledge need of academicians. The main focus of library is to develop qualitative collection with the books, journals, digital document, magazines and dailies. Library housekeeping activities are done by using an library automation software. Library reminds and alert to its users on their transactions and assist them in searching in OPAC and database for saving their time.

Library Resources

Books : 6598

Journals : 5

INFRASTRUCTURE

LIBRARY CENTRE

ELECTRONIC JOURNAL DATABASE

Library subscribes the databases of e-journals which are available in campus on intranet. A short introduction and link of resources are provided below



SCIENCEDIRECT

A Leading full-text scientific database offering journals, articles from various journals. The subscribed subjects are: Computer Science, Engineering, Mathematics, Physics & Astronomy, Chemistry and Economics



IEEE Xplore Digital Library

IEEE Explore Digital Library provides web access to more than 3-million full-text e-documents from some of the world's most highly cited publications in electrical engineering, computer science and electronics.



SpringerLink

Library has subscribed the e-journals of SpringerLink (Collection of 1400+ Journals). It consists the scientific article, research papers, proceedings, etc. various subjects with the advance searching, indexing and referencing facilities.



J-Gateplus

J-Gate@NIT Consortia (JGATE - NITs Library Consortium), the Library has procured J-GATE from NITs Library Consortium for reading and research purpose.



KNIMBUS

Largest Open Access Library Knimbus is designed to support every phase of your research and innovation journey with 13000 journals, 1.8 Million E-Books, 27000 Online Courses, Millions of Theses, Conference Proceedings, Magazine and News Articles, and much more. It is made available by the M/S. GIST Pvt. Ltd. India to the Institute.

PERIODICALS & MAGAZINES

Technical Magazine: Current Science, Digit, Electronic for you Plus, Electronics Bazaar, Express Computer MIT: Technology Review, Nature, New Scientist, Optics & Photonics, Physics Today, Scientific American, Vigyan Pragati

General Magazine: Bussiness Today, Bussiness for all, Competition Success Review, Harvard Business Review India Today, Reader's Digest, The Economist, Timeline Goa, University News

Newspaper: NavBharat Times, The Economic Times, The Hindu, The Indian Express, The NavHind Times, The Times of India

DEDICATED FACULTY

The aim of the Institution to provide highly talented and proficient faculty to the students who share a common goal to put NIT Goa on the International map as a technology hub. Currently there are more than thirty able faculty members who initiate research activities in various disciplines. With the right mix of experience and youth they have great enthusiasm to motivate the students towards learning & innovation which helps them to foster and shape their career.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Dr. Damodar Reddy Edla | ISM Dhanbad. Research Area : Data Mining

Dr. Purushothama B.R | NIT Warangal. Research Area : Information Security

Dr. Veena T | IIT Madras. Research Area : Content based Information Retrieval

Dr. Pravin Pawar | University of Twente, Enschede, The Netherlands.

Research Area : Mobile computing

Dr. Keshavamurthy B.N. | IIT Roorkee. Research Area : Data Mining

Dr. S. Mini | University of Hyderabad. Research Area : Wireless Sensor Networks

Dr. Pravati Swain | Research Area : Virtual Data Center

Dr. Venkatanareshbabu Kuppili | IIT Delhi. Research Area : Soft Computing

Dr. Modi Chirag Navinchandra | Research Area : Cryptography

Ms. Vidya T | Research Area : Computer Vision

Dr. Thierry Oscar Edoh | Visiting Faculty, Rheinische Friedrich Wilhelms Univesity.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Dr. LalitK Jiwani | IIT Delhi. Research Area : Signal, Image and Video Processing

Dr. Vasantha M.H | NITK, Surathkal. Research Area : Continuous-time filter Circuits

Dr. T. Veera kumar | Anna University, Chennai. Research Area : Image and Video Processing

Dr. Anirban Chatterjee | NIT Durgapur. Research Area : Electro-Magnetic Wave Theory

Dr. Nithin Kumar Y.B. | IIT Kharagapur. Research Area : Analog and Mixed Signal Design

Dr. Badri Narayan Subudhi | ISI, Kolkata. Research Area : Image and Video Analysis

Dr. Trilochan Panigrahi | Research Area : Distributed Signal Processing in WSN

Dr. Ankit Dubey | Research Area : Power line communication

Mr. Himanshu Singh | IIScBangalore. Research Area : Document Analysis and Recognition

Mr. Sachit Mahajan | The University of Manchester, United Kingdom. Research Area : Medical Imaging

Dr. Murli Manohar | Research Area : Microwave and RF antenna

DEDICATED FACULTY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Dr. B. Venugopal Reddy | NIT Warangal. Research Area : Multilevel inverters

Dr. Suresh Mikkili | NIT, Rourkela. Research Area : Power Electronics Applications to power systems

Dr. Sreeraj E.S. | IIT Bombay. Research Area : Power Electronics

Dr. Amol D. Rahulkar | Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra. Research Area : Digital Signal/Image Processing

Dr. C.Vyjayanthi | IISc Bangalore. Research Area : Restructured Power Systems

Dr. K.Chandrasekaran | NITK, Surathkal

Mr. NMMD Praveen | IISc, Bangalore. Research Area : Power systems

Prof. Lawrence Jenkins (Retd.) | Visiting Professor,
Department of Electrical Engineering | IISc, Bangalore

DEPARTMENT OF HUMANITIES AND SCIENCES

Dr. P. S. Reddy | NIT Warangal. Research Area : Fiber Bragg Grating Sensors

Dr. Ajaya Kumar Panda | University of Hyderabad

Dr. Velavan Kathirvelu | Pondicherry University.

Research Area : Electron Paramagnetic Resonance of Transition Metal Ions and Organic Free Radicals

Dr. Sarani GhosalMondal | RabindraBharatiUniversity.

Research Area : American Literature, Indian Writing in English and ELT

Dr. Ragoju Ravi | NIT Warangal. Research Area : Fluid Dynamics

Dr. Ravi Prasad K. J. | IIScBangalore. Research Area : Diffuse Optical Tomography

STUDENTS

Strong and equal emphasis is laid on academic, co-curricular and extra-curricular activities to ensure an all round development of the student while providing multiple platforms for students to improve their soft skills which are imperative for one to excel in his/her domain. Every year a batch of around 100 students get admitted to the three B.Tech programmes through JEE mains (Through AIEEE till 2012) and the scheme of Direct Admission of Students Abroad (DASA). For further details, please visit: www.jeemain.nic.in and www.dasanit.org. The competition is stiff; only roughly 20,000 students out of the 10,00,000 students appearing for the exam gets elected into NITs. This highly rigorous process ensures that only the best of the lot make it to the institute.

Though NIT Goa is one of the new NITs, it is home to elite students. From the very first batch, NIT Goa has seen high rankers of JEE Mains preferring it over other new NITs. The institute stands well in both academic and cultural activities. Over the years we have seen a good number of students ranked less than 15,000 in JEE Mains taking admission in the institute.

National Institute of Technology Goa, like all other NITs in India, enrolls students from all the 29 States and 7 Union Territories. Every year, students are selected into the Institute based on their JEE Mains Rank (Formerly AIEEE Rank), and the category they belong to. 14 seats have been allocated for students under Direct Admission for Students Abroad (DASA). Presently, four batches of 358 students are enrolled in the three B.Tech programs of NITGoa:

Electronics and Communication Engineering (ECE) - 124 students.

Computer Science and Engineering (CSE) - 115 students.

Electrical and Electronics Engineering (EEE) - 119 students.

NIT Goa is now in its Sixth year of functioning with the commencement of the 2015-16 academic year. The current U.G batch admitted in July 2012 (2012-2016). The current P.G batch admitted in July 2014 (2014-16).

STUDENTS' ACHIEVEMENTS

Though NIT Goa is one of the new NITs, due to the continuous efforts of the Faculty and the students under the able leadership and guidance of the Director, it is trying to carve its own niche. NIT Goa is proud to be one of the fastest growing institute among the NITs.

NIT Goa students are leading an all Goa initiative namely Laser Mission 10x (LMTx) in association with AFA Goa (Association of Friends of Astronomy) which aims at increasing the interest of students toward pursuing science after their high school and to bridge the gap between practical knowledge and theoretical studies. (Visit www.lmtx.org)

4 Students were selected for Internship at CERN (The European Organization for Nuclear Research) Geneva, Switzerland

Two of our students received the invitation from the Rastrapathi Bhavan, New Delhi to participate in National Innovation Clubs held on 10th March, 2015

One of our student is the member of the winning team for Semicolons 2015- An International Hackathon

Two of our students secured Bronze medal in the webism worldquant contest standing 85th & 93rd in the country

Two students got selected for MIT MEDIA LAB- 4thDesign and Innovation Workshop 2015 Ahmedabad, India among a pool of 1000+ students

Two of our Final year students secured 1st runner up in Saviskar-IFAST, NIT Bhopal & Bharatiya Vigyan Sammelan-2015

Two of our Final year students secured 1st position in Saviskar-IFAST, NIT Bhopal Two of our Final year students secured second runner up in Bharatiya Vigyan Sammelan-2015

One of our students secured Second Prize in State Level Debate competition organised by Goa Shipyard Ltd.

One of our students secured Second Prize in State Level Debate competition organised by Goa Shipyard Ltd.

One of our students secured Gold Medal (Javelin Throw and Triple Jump) in InterNIT Sports Competition

Our students won 2nd prize in the drama competition that was held as part of All India Inter NIT cultural meet during February 2015 in Rourkela (It was a One-Act Play entitled The Date Story composed by our 3rd year student)

TECHNICAL ACTIVITIES

To enhance the students' confidence, leadership qualities, attitude, management, communication and creative skills, the institute encourages a variety of activities. NIT GOA organized its first Annual Technical festival TECHNIVAL-2014 in November 2014 which was attended by students from all over South India. Apart from that, in order to provide students an exposure of the outside world, a number of technical events like seminars and workshops have been conducted. Clubs are an important part of the co-curricular sphere of NITG. Various clubs give students an opportunity to exercise their extra-academic skills and to keep with the tradition of NITs, this initiative also provides the student community with an opportunity to exercise their autonomy in a responsible manner. The Technical clubs such as –Coding club, Robotics Club, Quizzing club, Toastmasters club etc. take part in various national level competitions and regularly hold in-house events which keep the night-life ticking at NITG. The institute also has its SPIE and IEEE student chapters registered with the respective organisations.

ART & CULTURE

In order to cope up with the academic rigour, equal emphasis is put on cultural activities. A healthy campus life plays a pivotal role in the all-round development of students. Along with the healthy academic schedule and the brain-storming class hours, the students of NITG immerse themselves in various extra-curricular activities. Hailing from diverse social and cultural backgrounds, they manage various clubs, events and festivals, which builds ability to work in teams, endows them with leadership qualities and makes them all-rounders.

SPORTS & GAMES

NIT GOA has the infrastructure for various recreational, training and competitive activities, round the year, in various sports and games. Be it formal participation in sports/ games or activities such as trekking and gaming, one can always find something to match one's interests and abilities.

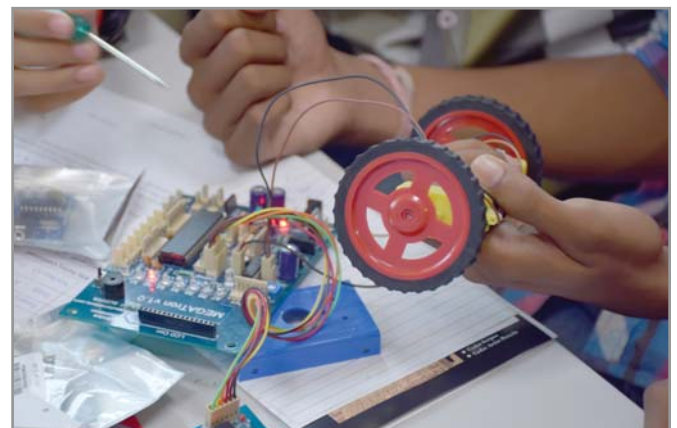
INTER NIT SPORTS MEET

The Inter NIT Sports Meet is held annually in Jan/Feb/Mar. Every year one of the NIT s host an inter NIT event, for a particular sport, in which the best compete in various sports for the coveted inter NIT championship. NITG was able to prove its mettle when the students were able to bag medals at inter NIT sports meet.

INVICTUS

The institute also hosts its annual sports event INVICTUS, in which all the branches of the institute actively participate to claim the shining trophy.

BEYOND ACADEMICS

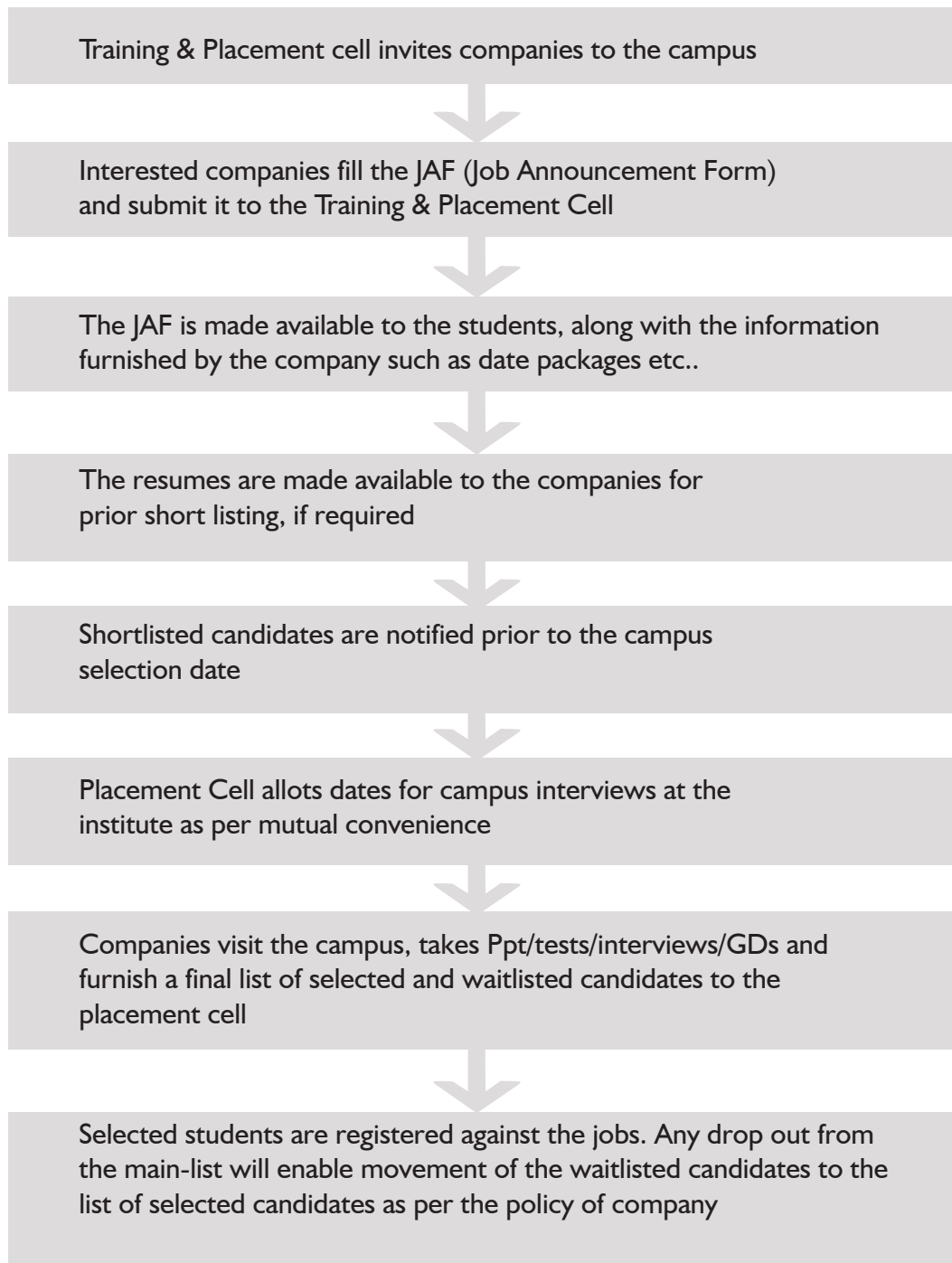


TRAINING & PLACEMENTS

Hands - on training is an integral part of curriculum at NITGoa. Industrial training and internship offer students an opportunity to get experience of the working environment before they graduate. This helps them in correlating the knowledge gained from their curriculum to the insights gained from working in the industry and also motivates them to enhance their skills. Students also understand the bigger picture of working in industrial/ corporate environment and understand the diversified skill requirement. All of this helps them to enhance their technical, interpersonal, managerial and leadership skills. Moreover, students get a chance to plan their professional career. This exposure will help them to deliver their best when they join the industry as working professionals.

The Training and Placement Cell facilitates internships for students in industries, corporate, academia, NGO and organizations of National and International repute. Our students got internships in some of the best academic institutes, multi-national companies and public sector organizations. A batch of 112 students interned at more than 40 organizations/ companies. The paramount being the internship at CERN where 3 students from all the three branches interned at Geneva, Switzerland for 2months. Other important organizations in the limelight being Defence Research and Development Organization (DRDO), Hindustan Areonautics Limited (HAL), BHEL, NTPC, Philips, Siemens, Bosch, Amazon and various others. Some of the major ones are shown ahead.

PLACEMENT PROCESS



TRAINING & INTERNSHIPS



WORLDQUANT.



SIEMENS



UNISYS

TRAINING & INTERNSHIPS



FACILITIES FOR RECRUITERS

Training and Placement cell provides all facilities for the visiting companies to conduct campus recruitment. Right from invitation to the final placement process, the placement cell provides every possible assistance to the recruiters.

Transportation from/to airport or railway station and accommodation is arranged by the cell.

Placement Volunteers to assist the placement process.

Facilities for the visiting companies to conduct pre-placement talks, written tests, group discussions and Interviews, such as:

Well Furnished Air-Conditioned room for Interview & Group discussion

Rooms with LAN connectivity and audio-visual aids like laptops and LCD projectors to conduct pre-placement talks to aid the process

Labs with Internet facilities for online tests and other requirements



WITHIN YOUR REACH

NIT Goa Campus is located at Farmagudi, Ponda, Goa.

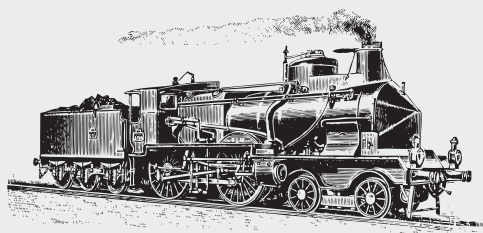
Farmagudi is located on a plateau 3 km from the main Ponda City on the way towards Panaji. Ponda is a city and a municipal council in North Goa district in the Indian state of Goa. It is located in the central part of Goa. Ponda city lies about 28 km south-east of Panaji and 17 km north-east of Margao and is also the capital of Ponda Taluka. Ponda is well connected by road to the Panaji (Capital of Goa) and main railway junction of Margao.

AIR



Goa's sole airport, the 'Dabolim Airport' in Vasco, caters to Domestic and International airlines that stop en route to other Indian destinations. It is at a distance of around 30Km (45 Minute ride) from the institute.

RAIL



Goa has two rail lines - one run by the South Western Railway and the other by the Konkan Railway. Closest major railway station is 'Madgaon Railway Station' which is around 20 Km (30 Minute ride) from the institute.

WORTH WATCHING

Beaches



Goa's long stretch of sandy coast line is renowned for its multitude of beaches like Calangute, Baga, Anjuna, Vagator, Colva, Palolem and many more. Goa has something to offer to everyone, from luxury resorts to make shift huts, and trance parties to tranquility.

Temples



A number of Historical temples are located in goa such as Shri Mangeshi temple at Mangeshi, Shri Mahalasa Narayani's temple at Mardol, Shantadurga Temple at Kavalem etc..

Old Goa - Churches



Once the magnificent Portuguese capital of Goa, today all that remains of Old Goa is a handful of imposing churches and cathedrals. They are amongst the largest in Asia though. Some of the buildings have now become archeological museums, and provide a fascinating display of Goa's history.

Wild Life Sanctuaries - DudhSagar Falls



Goa isn't just all about beaches and churches. The state's location along the mountainous Western Ghats is home to an array of birds and animals. Around 20% of Goa consists of wildlife sanctuaries. Dudhsagar water falls are one of the most spectacular natural phenomena in Goa. Water plummets hundreds of feet in cascades of large volume, creating a mist all around, giving it a milky white appearance, hence the name. This is a popular destination for trekkers and hikers.

Forts



With a history that speaks of several rulers, there are many forts in Goa that have stood the test of time and have a lot to say of the years gone by like Aguada and the very famous Chhapora which was made popular by the hindi bollywood movie 'Dil Chahta Hai' which was shot here.

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Placement Brochure
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