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# JAIN UNIVERSITY

Declared as Deemed-to-be University u/s 3 of the UGC Act, 1956

18 - 1587  
Concept & Design, Office of Strategic Communications & Human Resources, Jain University



# B.Tech. & M.Tech.

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## Table of Contents

<b>Welcome</b>	01	Construction Technology	38
<b>Jain University – A Learning Hub</b>	02	Structural Engineering	39
<b>Schools and Centers</b>	04	Town & Country Planning	40
<b>Schools and Programs</b>	06	Cyber Security	41
<b>Learning Environment</b>	10	Data Science	42
<b>Hostel Accommodation</b>	12	Intelligent Systems	43
<b>Student Life</b>	14	Artificial Intelligence	44
<b>Programs</b>		Computer Science & Engineering	45
		Embedded System & Technologies	46
		Industrial Automation & Robotics	47
<b>Bachelor of Technology</b>		Communication Systems	48
Aerospace Engineering	16	Energy & Environmental Management	49
Aeronautical Engineering	17	Thermal Engineering	50
Civil Engineering	18	Materials Engineering	51
Construction Planning & Management	19	Nano Technology	52
Infrastructure Engineering	20	Food Technology	53
Computer Science (Data Science)	21		
Computer Science & Technology (Artificial Intelligence)	22	<b>Placements</b>	54
Computer Science & System Engineering (Internet of Things)	23	Placement Process	55
Computer Technology (Cloud Technology & Information Security)	24	Student Testimonials	56
Computer Engineering (Cloud Technology & Mobile Application)	25	Corporate Testimonials	57
Software Engineering	26	Major Recruiters	58
Information Science Engineering	27	<b>Selection Procedure</b>	60
Computer Science & Engineering	28		
Electronics & Communication Engineering	29		
Robotics & Automation	30		
Electrical & Electronics Engineering	31		
Mechanical Engineering	32		
Metallurgical & Materials Engineering	33		
Nano Technology	34		
Automobile Engineering	35		
<b>Master of Technology</b>			
Aerospace Engineering (Aerodynamics / Avionics / Aerospace Structures / Aircraft Propulsion)	36		



# WELCOME

I am delighted that you are considering Jain University to pursue your engineering studies. At Jain University, we passionately believe that engineering is an aspirational career choice for young people and key to address the challenges of 21<sup>st</sup> century.

Engineering is a diverse stream. It transforms ideas and materials into global infrastructure, products and services that aids to the increase in GDP of a nation. The undergraduate and postgraduate engineering programs are shaped at all stages by the emerging needs of business. When you join Jain University, you become part of a dynamic group of students, academics and researchers, working together to advance knowledge and make a difference!

Collaboration and interdisciplinary work have been key to our success at Jain University. Whichever engineering stream you choose, you will benefit from an industry-engaged education with access to state-of-the-art infrastructure facilities.

I invite you to embark on an exciting and life-changing experience by joining us and I look forward to welcoming you at Jain University for your engineering journey.

**Dr. Chenraj Roychand**

President – Jain University

WELCOME

“ Our specialized engineering programs allow you to advance your skills to meet the industrial requirement. ”

## JAIN UNIVERSITY – A LEARNING HUB

Jain University (JU) is an intellectual destination that draws inspired students from more than 35 countries to one of the world's greatest cities - Bangalore. Certified ISO 9001:2008 for quality management, Jain University has been consistently ranked among the top private Universities in India and also been granted graded autonomy status by University Grants Commission. It promotes innovation and entrepreneurship by bringing people, ideas, and resources together to one platform through interdisciplinary collaboration and interaction. From academic discoveries to athletic records, from artistic creations to scientific breakthroughs, students are inspiring and impacting Jain University's success in many ways.

### Why Engineering course at Jain University?

Jain University is committed to create a benchmark for others and is intended to lay roadmaps for its upcoming generations. Its core essence includes technologically sound teaching, upgraded research facilities, broad range of engineering programs, supreme placement records and exceptional entrepreneurial programs.

### Jain University - Engineer's Hub for Education, Innovation and Learning

Jain University offers innovative education, enterprise and research-based programs that has helped in the development of leading technologists, professionals and future thinkers. Hence Engineers are groomed with technical knowledge and practical work so they can be ready for industry verticals.

### Broad and Flexible Range of Engineering Programs (B.Tech., M.Tech. & Research)

Jain University Engineering programs are broad and flexible at the undergraduate, postgraduate and research levels of Engineering. The Focus is on a wide range of engineering courses that includes computer technology, application of information technology and computer-based designing in engineering. The current programs include various courses such as Electrical Engineering, Mechanical Engineering, Civil Engineering, and so on.

### Accreditation by Governing Bodies & Collaboration for Technical Training

Courses offered by Jain University are accredited by the appropriate governing bodies and its training programs are vocational and consequently, Jain University provides immense job opportunities for our graduates & post graduates. It also provides entrepreneurship development programs for technical entrepreneurs.

### Technologically Sound Teaching Standards

The University provides hi-tech specialized education with technology-enabled classrooms. The schools and centers have a host of highly qualified faculty drawn from various domains that encompasses doctorates from basic concepts to specialized engineering domains.

### Phenomenal Placement Record

Jain University's placement records for all the streams are excellent at par when compared to the best universities. The university blends its educational strategy with unique placement records to become one of the best engineering centers in Bangalore. Its approach is to nurture leadership and prepare students for the professional roles in the global world. As the university is well-known for excellent industrial placements, top recruiters contact directly for work placements or internships.

### Exceptional Entrepreneurial Programs for Technical Students

Jain University not only educates, but also provides immense career opportunities as a technical entrepreneur. The University contributes to innovation in Science, Engineering and Technology with business values to make them self-dependent. It actively encourages the entrepreneurial development of its technical students and have an excellent record in various entrepreneurial initiatives.



## SCHOOLS AND CENTERS

### Faculty of Engineering and Technology

From its proud history spanning more than decades, Jain University School of Engineering & Technology (JUSET), Bangalore has emerged out as one of the finest and highly renowned Engineering Institutions in Bangalore. JUSET is an integral part of the Jain University's Faculty of Engineering & Technology and offers undergraduate, postgraduate and specialized programs. Thus, JUSET is intently focused to deliver the world-class educational experience. The outstanding teaching and research facilities coupled with its practical and forward-thinking programs will let one realize a distinctive & high quality academic experience which is focused on enriching knowledge and sharpening skills, thereby fueling the smooth transition into the portals of industry.

### Our Partners for Industry Interface



AUTODESK

amazon  
webservices Academy

Rexroth  
Bosch Group



DELL EMC

EC-Council

Gartner



KPMG

MICRO  
FOCUS

ORACLE  
UNIVERSITY



Qlik



TEXAS  
INSTRUMENTS

vmware



### School of Aerospace Engineering



School of Aerospace Engineering functions under the aegis of International Institute for Aerospace Engineering and Management (IIAEM) of Jain University. It began in 2009 in response to the need for a high caliber and globally relevant education and research in the fields of Aerospace and Aeronautical Engineering, Modern airport infrastructure and Aviation business. IIAEM originated through collaborative effort from leading aerospace organizations and industry in the country, under the initiative of the Society of Indian Aerospace Technologies and Industries (SIATI) and Jain University. The graduate, postgraduate and research programs offered by the institute in the field of Aerospace engineering and Aeronautical engineering, educate the students in terms of technical knowledge and application skills essential for careers to design, manufacture and maintenance of aircraft and aerospace vehicles. Emphasis is also placed for inculcation of necessary holistic perspectives and professionalism in the related domains.

International Institute for Aerospace Engineering and Management (IIAEM) is a collaborative venture between Jain University and Society of Indian Aerospace Technologies & Industries (SIATI), an initiative never attempted by regular Universities, which has received overwhelming support from academic institutions, R & D laboratories and Industrial organizations – like ISRO, HAL, AAI, NAL, Air India, BIAL, CIAL and many others. Besides involving itself in cutting edge research, the Institute is constantly generating pool of technically-skilled manpower in Aircraft Design, Avionics, Aircraft Maintenance Engineering, Airport Infrastructure & Management at the undergraduate, postgraduate and research levels. The curriculum has been vetted by experts from industry and academia. IIAEM is committed and has already invested considerable effort and money. Within the next few years, the IIAEM will develop into a world-class institution for Aerospace research and education. The objectives of SIATI include stimulating education, training, research technology and business development in the field of aerospace and associated industries, academic interactions both within India and with overseas organizations and encouraging collaborations in technology tie ups, training, education and business development through joint ventures.

#### Programs Offered

##### Undergraduate Programs

- B.Tech. - Aerospace Engineering
- B.Tech. - Aeronautical Engineering

##### Postgraduate Programs

- M.Tech. - Aerodynamics Engineering
- M.Tech. - Aero Space Structures Engineering
- M.Tech. - Avionics
- M.Tech. - Propulsion Engineering

### School of Civil & Environmental Engineering



School of Civil & Environmental Engineering has a select band of faculty who are an amalgam of rich administrative, academic, research and industry experience. Students are exposed to the state-of-the-art civil engineering practices vis-a-vis institute industry interaction, internships, field visits and in-house / on-site camps apart from the regular classroom teaching. The school has specialized laboratory facility and encourages research and consultancy. The CAD lab is sufficiently equipped with latest hardware / software and hones the skills of students in recent versions of CYPE, STAAD-PRO, AUTOCAD, MAP3D, CIVIL3D, AUTOCAD RASTERDESIGN, PRIMAVERA, MS Project, RIVET, GIS (Open Source) and GPS data manager are offered as value added programs in pursuit of making industry ready Civil Engineers.

#### Programs Offered

##### Undergraduate Programs

- B.Tech. - Civil Engineering
- B.Tech. - Construction Planning & Management
- B.Tech. - Infrastructure Engineering

##### Postgraduate Programs

- M.Tech. - Construction Technology
- M.Tech. - Structural Engineering
- M.Tech. - Town & Country planning
- PG Diploma

##### Doctoral Programs

- Ph.D. - Civil Engineering

### School of Computer Science & Engineering



The IT Industry has transformed with the advent of globalization and technological advancement in the recent decades; so has the job market. Realizing the need of the new-age learners, Jain University offers new-age B.Tech. and M.Tech. Programs in fast-growing streams of the industry. Jain University started with the School of Computer Science & Engineering (CSE) having state-of-the-art facilities and curriculum. All programs are designed to match the needs of the industry and help students be better prepared for the well-rewarding jobs of tomorrow.

The School of Computer Science and Engineering is a constitute school under the umbrella of Jain University, which focuses on cutting edge technologies in the field of Artificial Intelligence, Data Science, Internet of Things, Cloud Computing, Mobile Application Development and Information Security.

The experienced pool of faculty at CSE with a fusion of academics and industry experience have contributed in making the School vibrant. The School has adequate faculty members with Ph.D's and Master's degrees and the majority of them are pursuing their Ph.D.

The School has the ideal computing lab facilities to train the students at different levels in the field of Computer Science and Engineering. The School has grown up to accelerate the pace of research and development in technical education and services to meet the requirement of industry and society at large. Accordingly our objective is to promote research in the field of Computer Science and Engineering (CSE) to bring the benefits of the technological revolution to the society.

#### Programs Offered

##### Undergraduate Programs

- B.Tech. (Honors) Computer Science (Data Science)
- B.Tech. Computer Science & Engineering
- B.Tech. Computer Science & Technology (Artificial Intelligence)
- B.Tech. Computer Science & System Engineering (Internet of Things)
- B.Tech. Computer Technology (Cloud Technology & Information Security)
- B.Tech. Computer Engineering (Mobile Application & Cloud Technology)
- B.Tech. Information Science & Engineering
- B.Tech. Software Engineering

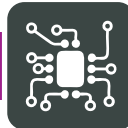
### Postgraduate Programs

- M.Tech. Computer Science & Engineering
- M.Tech. Cyber Security
- M.Tech. Data Science
- M.Tech. Intelligent Systems (Internet of Things)
- M.Tech. Artificial Intelligence
- PG Diploma Computer Engineering & Applications

### Doctoral Programs

- Ph.D. in Computer Science & Engineering

## School of Electrical Engineering



The school of electrical engineering offers programs in both electrical and electronics domains and provides wide range of fundamental scientific knowledge. The school has well qualified and experienced faculties from both industry and academia. The school has taken up the challenge of developing competent electronics and electrical engineers capable of facing the emerging challenges. Keeping in line with the fast-changing technology, the school has a well-designed and constantly reviewed syllabus to incorporate all advancements in existing and emerging technologies. The state-of-the-art laboratories complement the high standards set by the competitive syllabus and nature of inclination of the students towards research and development, besides giving them the necessary and sufficient backing of practical knowledge that they need. School follows outcome-based education (Washington Accord Framework) curriculum and added to it the students are encouraged for entrepreneurship by giving exposure through various activities. It also encourages the students to take part in extracurricular and co-curricular activities apart from academic and has MOU's with Texas instruments, Siemens, Cisco, ISRO (IRNSS), Phlox Semiconductors.

### Programs Offered

#### Undergraduate Programs

- B.Tech. in Electronics and Communication Engineering
- B.Tech. in Electrical and Electronics Engineering
- B.Tech. in Robotics and Automation

#### Postgraduate Programs

- M.Tech. in Embedded System Technologies
- M.Tech. in Industrial Automation and Robotics
- M.Tech. in Communication Systems

#### Doctoral Programs

- Ph.D. in Electronics Engineering
- Ph.D. in Electrical Engineering

## School of Mechanical Engineering



School of Mechanical Engineering has a fusion of academics, research and industrial training at School of Engineering & Technology. Its extraordinary facilities, highly educated faculties and a good student community have made them

vibrant to achieve merit in the field of both academics and research. JUSET has made continuous attempts to upgrade center standard by establishing various labs as per University's requirements and to procure specialized equipment to inculcate an aptitude for research & development. The faculty members get actively engaged in the research and development activities and have published several papers in both international & national journals.

### Programs Offered

#### Undergraduate Programs

- B.Tech. in Mechanical Engineering
- B.Tech. in Automobile Engineering
- B.Tech. in Nano Technology
- B.Tech. in Metallurgical & Materials Engineering

#### Postgraduate Programs

- M.Tech. in Nano Technology
- M.Tech. in Energy & Environmental Management
- M.Tech. in Thermal Engineering
- M.Tech. in Materials Engineering

#### Doctoral Programs

- Ph.D. in Mechanical Engineering

## Food Technology Department



The Food Technology department is a part of JU-SET and has eminent faculty members from pioneer institutes like CSIR-CFTRI Mysore, Bangalore University, VTU, Karnatak University, ICAR-NDRI, TNAU, KAU and Punjabi University. Students are exposed to the state-of-the-art food technology practices vis-a-vis institute-industry interactions, internships with the renowned industries, industrial visits, project work in the reputed laboratories like CSIR-CFTRI, DFRL, ICAR-NDRI and in-house laboratory training apart from the regular classroom teaching. The School has necessary laboratory facilities and encourages research and consultancy. Besides that, it has well-equipped laboratories of food chemistry, food microbiology, fruit and vegetable technology, grain processing and baking technology, analysis and quality control and dairy technology which are funded by the Ministry of Food Processing Industries, Govt. of India, New Delhi.

### Program Offered

#### Postgraduate Programs

- M.Tech. in Food Technology

#### Doctoral Programs

- Ph.D. in Food Technology



Jain University has premier facilities and resources to support students in their studies. This includes a library, classrooms, up-to-date IT resources with extensive wireless network.

### The Library

The library is at the center of academic life and provides a range of services to support and enhance student learning at the campus. A team of subject specialist librarians and other trained staffs provide a wide range of services to assist students in their independent learning.



### Cafeteria

The cafeteria is a hub of student activity, social exchange, and youthful energy. Bustling with social life, it is also a place where students exchange crucial ideas, pool efforts, and strategize on everyday activities. It serves as a place for diverse interests from brainstorming for competitions to relishing a hot cup of coffee.



### Technology Enabled Classrooms

The altar of learning has always been the classroom and the classrooms at Jain University are a whole new world of discovery equipped with high-tech facilities like high-speed internet connectivity and state-of-the-art projectors.

### Sports Facilities

Jain University advocates sports and is always on top in providing world-class facilities at its immense campus.



### Networked Technology

Jain University provides a comprehensive computer based service in the IT center with high-speed internet access including Wi-Fi connectivity. There are computers in classrooms and laboratories, with a wide range of specialist applications to support study programs.



### JUx

JUx is an online learning and engagement platform whose primary focus is to create a virtual learning and social engagement experience that is accessible anytime, anywhere through convenient learning formats by connecting and collaborating with partners and stakeholders. This initiative of Jain University aims to improve the skill sets of students and up skill working professionals through skill-based certification programs in collaboration with Global Universities, Industry Partners, Aggregators and International Chartered Bodies which will help them find better employment opportunities.

\*Proposed for the Academic Year 2018



### Auditorium

The auditorium is well-equipped with modern acoustics and state-of-the-art facilities to conduct seminars, corporate events, student activities, and general announcements for the students.

## HOSTEL ACCOMMODATION



The Jain University Hostel is a home away from home. The residential arrangements are separate for boys and girls and the facilities are guided strictly by the sense of comfort and quality life for its students.

Hostel accommodation is provided with the understanding that the resident student will strictly abide by the hostel rules currently in force or as may be enforced from time to time. Accommodation in the hostel cannot be claimed as a matter of right. The University Administration may refuse

accommodation to any student who is known to have grossly violated the hostel rules or whose presence is likely to disturb the peace and tranquility of the hostel. Violation of hostel rules will make the student liable to disciplinary action including permanent expulsion from the hostels. Students must remember that the hostel is a home of the student at the campus. Therefore they should behave in the campus as well as outside according to the University's standard. A student once admitted in the hostel, will continue to be a hostel inmate throughout the year unless otherwise debarred from the hostel on disciplinary grounds and he / she will have to pay the room rent for both the terms. Every student must abide by the rules and regulations of the Hostel. He / She must observe them strictly. Ignorance of rules will not be considered as an excuse.

### Facilities

In a room, two inmates will be accommodated. The Hostel provides a cot, a mattress, one set of bed sheet and a pillow cover, a study table, a chair and a cupboard for each student. Every hostel has solar heated water facility, common water cooler, common TV room, attached bathroom etc. Room furniture and electric fittings are required to be maintained by the inmates in good condition. At the time of allotment of room and leaving the hostel for the summer vacation, every student must take-over and hand-over, respectively, the hostel property carefully. Students should invariably vacate the hostel during summer vacation.

In case of damage to any part of the hostel buildings, furniture, apparatus or other property of the University, caused by inmates of the hostel, the loss shall be recovered from the persons identified as responsible for such damage. However, if the persons causing damage cannot be identified, the cost of repairing the same as may be assessed will be distributed equally amongst all the inmates of the hostel or group of inmates of the hostel found responsible for the damage.

### Room Allotment

- Allotment of rooms may not necessarily be of one's choice. It is at the sole discretion of the facilities management, which may allot the rooms either on first-come-first-serve basis or any other basis, say academic background, etc.
- The Management intentionally places students of varying academic, cultural, social, national backgrounds together so that cross cultural, academic, social, national learning is achieved. Students are expected to give full respect and equal rights to their roommates, irrespective of their varying backgrounds.
- Allotment is done on a double occupancy basis (i.e., two persons per room).



### Fees

- Hostel Fees for the whole year is to be deposited at the time of admission, and it is non-refundable.
- No concession in mess fee will be allowed for students remaining absent on any grounds including students getting detained between academic sessions.
- Caution deposit has to be paid at the time of hostel admission separately.



## STUDENT LIFE

Jain University provides a multitude of co-curricular activities to enrich students' lives beyond academics. Becoming involved in some of the clubs and associations can be a great way to meet people, learn new skills and hone current interests.

### Clubs

Student-organized club activities are a vital part of campus life at Jain University. Besides sharing common interests and having fun, the clubs also offer leadership opportunities. AERO, AUTO, YAANTHRICK, EVLANCHE, INFOSPHERE, SPARK, ATHARVA, ATOM & IGNAN clubs in different departments of Jain University that are focused to provide a platform for the students to organize and conduct technical and brainstorming events. The events organized by the clubs are open to all students of the University. These clubs conduct workshops, seminars, creative & fun activities through hands on approach. The senior students guide their juniors for undertaking projects or in gaining additional knowledge in the vistas of current trends in technology.

### Infinity

Infinity, the annual intra-university cultural festival of School of Engineering and Technology is spread over three days. This mega in-house event is conducted inter-college wise with events covering the cultural, technical, and management fields.

### VIE

VIE is an all India sports extravaganza hosted by Jain University. This year, the university saw an outstanding performance and participation of students from more than 50 colleges in various indoor and outdoor sporting events.



# B.Tech.

## Aerospace Engineering



### About the Program

The B.Tech. Aerospace Engineering offered by School of Aerospace Engineering, Jain University is a unique program, as there are very few institutions in the country offering it. The curriculum of the program is designed to meet the requirements of Aerospace organizations and its associates engaged in either production or R&D. While framing the detailed syllabus of the program many salient features of curricula followed at IITs and other front runner institutions have been adopted. The course is conceived and designed to prepare Aerospace Engineering graduates with sound knowledge in Space technology.

### Program Objective

- To nurture students to meet the global Aerospace industry with competency.
- To promote independent thinking and learning at an individual's pace.
- To provide an opportunity to carry out the project works with prestigious organizations

#### Program Code

008A

#### Course Code

8A01

### Add on Programs

- Smart Sensors, NASTRAN and ANSYS CFD training, Flight Lab Course, MATLAB, Flight simulator training

### Skill Development Program\*

- Mini satellite modeling, MEMS, Robotics and Propulsion System Modeling
- The department also organizes workshops on spacecraft and propulsion systems in collaboration with NAL and ISRO

### Career Prospects

After earning university degree, Aerospace Engineering graduates can choose a wide range of careers, including positions in research as Research Assistant, Design and development, marketing, field service and software development at Aerospace industries both in government and private sectors.

\*Extra Cost on Actuals



# B.Tech.

## Aeronautical Engineering

### About the Program

The B.Tech. Aeronautical Engineering offered by School of Aerospace Engineering, Jain University is a specialized program. The curriculum of the program is designed to meet the requirements of Aeronautical organizations and aviation industries. With the fast growth of aviation sector, technical manpower skilled in aircraft design, avionics, manufacturing and maintenance, air traffic control and airline and airport operations will be in great need. Also trained manpower in Aeronautical Engineering is in demand to support indigenous civil aircraft design program. Courses on Aircraft and Helicopter, Aerodynamics and structural design, analysis and testing, aircraft propulsion, flight controls and avionics systems are the uniqueness of this program.

The facilities include a low speed wind tunnel to test aircraft models, propulsion lab, structures lab, avionics lab, computational lab and a UAV modeling and flight lab.

### Program Objective

- To nurture students to meet the global industry competency.
- To promote independent thinking and learning at an individual's pace.

- To provide an opportunity to carry out the project work with prestigious organizations

#### Program Code

008A

#### Course Code

8A16

### Add on Programs

- Smart Sensors, NASTRAN and ANSYS CFD training, Flight Lab Course, MATLAB, Flight simulator training
- The department also organizes workshops on aircraft systems in collaboration with NAL, HAL and DRDO.

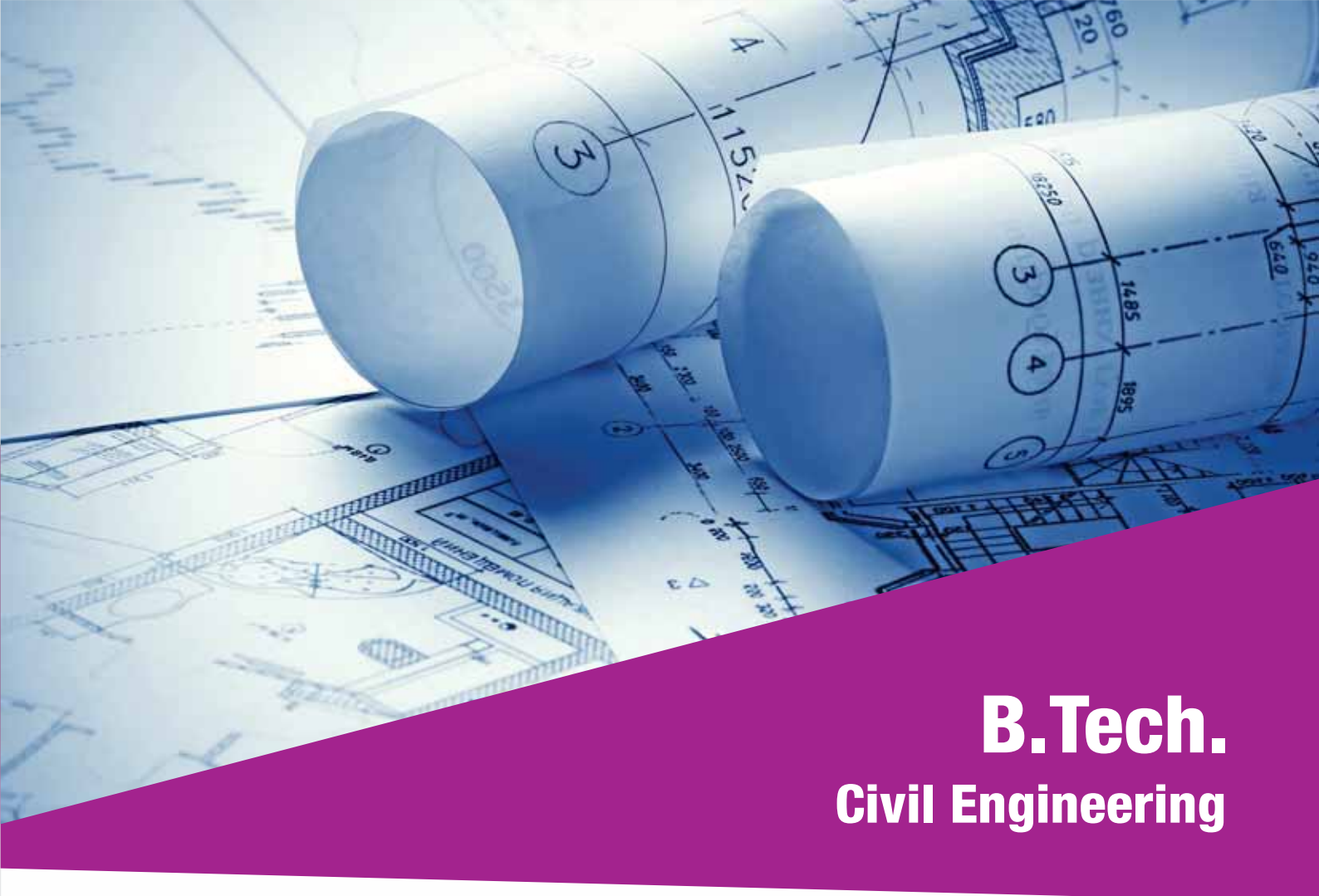
### Skill Development Program\*

- Certification courses on Unmanned Ariel Vehicle (UAV) Design, MEMS, Robotics

### Career Prospects

After earning university degree, Aeronautical Engineering graduates can choose a wide range of careers, including positions in research, design and development, marketing, field service and software development.

\*Extra Cost on Actuals



# B.Tech. Construction Planning & Management

# B.Tech. Civil Engineering

### About the Program

Civil Engineering is arguably the oldest engineering discipline. It deals with the built environment and can be dated to the first time someone placed a roof over his or her head or laid a tree trunk across a river to make it easier to get across. The field requires strong mathematical and communications skills. It is the branch with a lot of diversity from geotechnical sciences to structural engineering, environmental to hydraulics, transportation to hydrology; Civil Engineering can be considered the single largest branch among all the engineering branches.

### Program Objective

- To give an exposure to budding civil technocrats to various challenges in the profession
- To build strong foundations in all traditional areas of Civil Engineering and to promote usage of modern techniques, tools to render qualitative projects.

### Program Code

008A

### Course Code

8A06

### Add on Programs

CADD using CYPE, STAADPRO, RIVET, Valuation and Estimation using Primavera.

### Skill Development Program\*

Certification as Fire Safety Building Technologist.

### Career Prospects

Civil engineers can choose to focus on several specific types of projects. For example, one could work on construction projects, help write building codes or serve as a project leader. Civil Engineers can be found in the automotive industry, perfecting the load-carrying capacity of a chassis & improving the crashworthiness of bumpers and doors; aerospace industry, designing jetliners & space stations; and they can be found in the ship building industry, the power industry & many other industries wherever construction facilities are involved.

\*Extra Cost on Actuals

### About the Program

Construction Planning & Management is a division of Civil Engineering which gives an understanding of the special nature of Civil Engineering projects by giving in-depth knowledge of the activities encountered during the life cycle of a project. It introduces the basic learning requirements for the Civil engineer project manager and makes the appreciation for the qualitative nature of the construction project management. The Program has been designed to create highly skilled construction and project management professionals who are well-versed in planning, designing, estimating, execution and maintenance of buildings.

### Program Objective

- Students learn to manage the selection and initiation of individual projects and of portfolios of projects in the enterprise.
- Students learn to conduct project planning activities that accurately forecast project costs, timelines, and quality. Implement processes for successful resource, communication, and risk and change management.
- Students learn to demonstrate effective project

execution and control techniques that result in successful projects.

### Program Code

008A

### Course Code

8A19

### Add on Programs

CAD Lab using latest software Primavera, STAAD-PRO, BIM, Civil 3D, Arc GIS.

### Career Prospects

Construction Planning & Management Engineers can choose employment in various project consultancy firms who specialize in providing planning solutions to vast number of construction industries. These firms are most sought after as they specialize in project delivery methods best suited for individual construction projects while minimizing the risk factors.

Construction Planning & Management Engineers can also find jobs in the Public sector such as PWD, Railways Department, Highways Department, Engineers India Ltd., DRDO, ISRO, BARC, ONGC, SERC Chennai. There is always a high demand for experienced Construction Planning & Management Engineers globally.



# B.Tech. Infrastructure Engineering

## About the Program

Infrastructure Engineering is primarily a division of Civil Engineering where emphasis lays on construction / infrastructure engineering in terms of designing, planning and environmental management of large buildings, townships, roads, bridges, transportation and other infrastructure projects. The Program has been designed to create highly-skilled construction and project management professionals who are well-versed in planning, designing, estimating, execution and maintenance of buildings.

The program also covers topics like transportation infrastructure, which includes roads, railways, airports, dock and harbour; lifeline infrastructure that includes bridges, dams and canals and structures for water supply and sanitary units.

## Program Objective

- To give students the necessary knowledge to develop infrastructure that has a crucial effect on society in terms of aesthetics, functions, sustainability and economics
- To help students learn, acquire thorough knowledge of land use and urban planning through the modeling and simulation tools (BIM).
- To help Students learn about the costing of construction projects, gain knowledge about sustainable construction practices and also about management of material, man power and financial resources

### Program Code

008A

### Course Code

8A20

## Add on Programs

CAD Lab using latest software STAAD-PRO, BIM, Civil 3D, Arc GIS.

## Career Prospects

Infrastructure Engineers can choose employment in various sectors including residential and non-residential construction industries, infrastructure projects and industrial construction. Infrastructure Engineers can find jobs in the Public sector such as PWD, Railways Department, Highways Department, Engineers India Ltd., DRDO, ISRO, BARC, ONGC, SERC Chennai. There is always a high demand for experienced Infrastructure Engineers globally.



## About the Program

B.Tech (Honors) Computer Science (Data Science) provides extensive knowledge about techniques and theories related to Data Science, which includes Statistics, Data Mining, Data Warehousing, and Data Analytics & Visualization. The program has a total of 180 credit points. This program is designed to make data management easier for its users, by aggregating, interpreting and a managing large amount of heterogeneous data resources which are independent of hardware and software resources.

As the database management system plays vital role in competitive intelligence, which is a newly emerging field that encompasses data mining and analysis, it will assist the students to develop their skill sets and understand the theoretical and technical competencies of data science.

Course integrated with Advance Certification in Big Data from Micro Focus (Formerly HPE), who provides software education to the students.

## Program Objectives

- To gain insight into statistics and computational analysis of data to make predictions.
- To hone data science techniques like data mining, data warehousing, and data analytics & visualization.
- To acquire evolutionary computing techniques to create an intelligent and database management system.
- To implement data mining techniques, to cluster, classifying and ranking the large amount of data

# B.Tech. (Honors) Computer Science (Data Science)

into simpler.

- To obtain practical exposure in usage of data analytics tools for big data and generate the expected or appropriate reports using visualization tools.
- To gain extensive knowledge in data-driven programming languages like python, SQL, Hive, spark etc.
- To achieve solid background in mathematics and statistics with research- oriented mindset.

### Program Code

008B

### Course Code

8B01

## Skill Development Programs\*

- Amazon Web Services Solution Architect (AWS)
- Certified Ethical Hacking (CEH)
- Google certified Mobile Web Specialist

## Career Prospects

One can grab the data science career opportunities as:

- Data Scientist
- Data Architect
- Data Engineer
- Research Analyst
- Data Analyst
- Data Science Engineer
- Data Processing Engineer
- Machine Learning Researcher
- Data Modeler Analyst
- Data Science Evangelist
- Geo-Computation Expert

\*Extra Cost on Actuals

# B.Tech. Computer Science & Technology (Artificial Intelligence)



## About the Program

B. Tech. Computer Science & Technology (Artificial Intelligence) is a specialized program, aimed at providing the student with in-depth knowledge in the key domain areas of Artificial Intelligence. Artificial Intelligence includes the study of AI principles and techniques, as well as foundational material on topics such as logic, probability, and language. Topics in the AI concentration include knowledge representation and logical reasoning, machine learning, probabilistic modeling and inference, natural language processing, cognition, and applications in domains such as text processing.

Advanced Certification in Machine Learning and Artificial Intelligence from Micro Focus (Formerly HPE) is offered to students.

## Program Objective

- To train the students with several effective scan procedures for tackling complex issues and by demonstrating down-to-earth understanding by actualizing and trying different things with the learnt calculations.
- Students will be trained both in technical as well as

non-technical domains relevant to AI to make them understand numerical models and the way to apply them to a scope of AI issues.

- Student will likewise have adequate knowledge in both the hypothesis of machine learning and its application to data mining, in order to utilize these effective systems in an extensive variety of modern settings.

Program Code	Course Code
008A	8A12

## Skill Development Program\*

- Amazon Web Service Solution Architect (AWS)
- Certified Ethical Hacking (CEH)
- Google certified Mobile Web Specialist

## Career Prospects

- AI Research Scientist
- Artificial intelligence Engineer
- Artificial intelligence Specialist
- Artificial intelligence Analyst
- Game programmer
- Robotic scientist
- Computer Scientist

\*Extra Cost on Actuals



# B.Tech. Computer Science & System Engineering (Internet of Things)

## About the Program

B. Tech. Computer Science & System Engineering (Internet of Things) is an interdisciplinary program which is all-set to create a huge wave and change the way we receive the information. IoT has widened its operations immensely in technology era, due to which a lot of demand for IoT professionals have increased across IT industries. IoT includes growing network of internet-connected devices that enabled various applications in engineering and science. The course also comprises of world-wide network interconnected objects and embedded system program.

Internet of Things (IoT) specialization, train the students with solid theoretical foundations with systematic professional knowledge and strong practical skills in the field of computer technology and communication networks.

Internet of Things (IoT) integrated with Advanced Certification in Internet of Things from Micro Focus (Formerly HPE)

## Program Objective

- To gain in-depth knowledge in computer science.
- To obtain strong fundamental foundation of wireless communication and computer networks.
- To get inclusive knowledge of IoT devices, systems, network and infrastructure.
- To promote wide-range of application in the internet of things.

Program Code	Course Code
008A	8A13

## Skill Development Program\*

- Amazon Web Services Solution Architect (AWS)
- Certified Ethical Hacking (CEH)
- Google certified Mobile Web Specialist

## Career Prospects

B. Tech. Computer Science & System Engineering (Internet of Things) provides exciting career opportunities like:

- IoT Application Developer
- Intelligence Analyst
- IoT Application Specialist
- Risk Analyst
- IoT Operation Analyst
- IoT Threats Analyst
- IoT Security Expert
- Technical Consultant and Technical Support Engineer
- IoT Technology Architect
- IoT Testing Specialist
- Tech Lead IoT
- IoT Architect
- IoT Consultant
- IoT Visualization
- IoT & Analytics
- IoT Solution Architect

\*Extra Cost on Actuals

### About the Program

The new-age B. Tech. Computer Technology (Cloud Technology & Information Security) is a dual specialization degree that is offered by Jain University. The program has been designed by industry veterans to groom students for the competitive and fast growing technology sectors of cloud technology & information security.

The curriculum has been prepared with industry requirements in mind and emphasizes practical, application-oriented learning. The main goal of the program is to provide students with an in-depth understanding of how information security functions in an organization and all aspects of cloud technology.

The course is integrated with KPMG Advanced certified Cyber Security Professional Certification.

## B.Tech. Computer Technology (Cloud Technology & Information Security)

### Program Objectives

- To gain in-depth knowledge of all practical and theoretical aspects of preventive, ethical hacking and forensic security technologies
- To demonstrate functional knowledge of data centers and the concepts of virtualization, cryptography, ethical hacking, computer forensics and cloud security

**Program Code** 008A      **Course Code** 8A14

### Skill Development Program\*

- Amazon Web Services Solution Architect (AWS)
- Certified Ethical hacking (CEH)
- Google certified Mobile Web Specialist

### Career Prospects

B.Tech. in Computer Science (Cloud Technology & Information Security) paves way for the following job opportunities.

\*Extra Cost on Actuals

### Cloud Technology

- Cloud Architect
- Cloud Engineer
- Data Center Technician
- Remote Desktop Engineer
- Cloud Security Specialist

### Information Security

- Executive - Information Security
- Malware Analyst
- Junior Penetration Tester
- Database Manager - IT Security
- Junior Cyber Forensic Analyst



## B.Tech. Computer Engineering (Mobile Application & Cloud Technology)

### About the Program

The new-age B.Tech. Computer Engineering (Mobile Application & Cloud Technology) is a dual specialization degree which has been designed by the industry veterans to groom students for the competitive and fast growing technology sectors of mobile applications and cloud technology.

The curriculum has been prepared keeping industry requirements in consideration to emphasize practical, application-oriented learning. The program equips students with an in-depth knowledge of all aspects of cloud technology and mobile application, with emphasis on Android app development.

School of Computer Science & Engineering offers Advanced Certification in Mobile Application from Micro Focus (Formerly HPE).

### Program Objective

- To implement basic cloud-based solutions, configure basic networks and operating system, and demonstrate functional knowledge of Windows Azure and Amazon Cloud Services.
- To gain valuable industry inputs and insights into

the process of creating cutting-edge mobile technology.

- To develop skills to independently analyze, design, develop, deploy, and troubleshoot mobile applications and services.

**Program Code** 008A      **Course Code** 8A17

### Skill Development Program\*

- Amazon Web Services Solution Architect (AWS)
- Certified Ethical hacking (CEH)
- Google certified Mobile Web Specialist

### Career Prospects

B.Tech. in Mobile Application & Cloud Technology paves way for the following job opportunities:

- Cloud Architect
- Cloud Engineer
- Data Centre Technician
- Cloud Security Specialist
- Remote Desktop Engineer
- Sr. Cloud Engineer
- Manager-Cloud Technology
- Data Centre Engineer
- Cloud Provisioning Engineer
- Security Engineer
- Cloud Consultant
- Manager-Cloud Technology
- Data Centre Manager
- Sr. Data Center Manager
- Manager-Cloud Security
- UI Engineer

\*Extra Cost on Actuals

# B.Tech. Software Engineering

## About the Program

B.Tech. in Software Engineering aims at providing the student with in-depth knowledge of culture and practice that aims at unifying software development and software operations like DevOps and Agile. Software engineering is a broad field of study that entails several activities beyond the ordinary development of software. The field covers various applications to development and design to their systematic approach. There are many software development tasks prevailing in the world today. A systematic approach to their solution demands understanding on how to come up with a software solution. In modern organizations, software engineers have tasks that are more challenging than just developing software products. There is need to be creatively enabled with a complement of quality knowledge. The technical ability to develop adequate solutions is also a very keen aspect of software engineering.

School of Computer Science & Engineering offers Advanced Certification in Devops from Micro Focus (Formerly HPE).

## Program Objective

- To understand the rationale for agile software development methods, the agile manifesto and the differences between agile and plan-driven

development

- To know the key practices in extreme programming and how these relate to the general principles of agile methods
- To train the students for software development using UML and agile methodology for object oriented analysis and design
- To understand the DevOps concept to smooth out the process from development to deployment into production.

## Program Code

008A

## Course Code

8A15

## Skill Development Program\*

- Amazon Web Services Solution Architect (AWS)
- Certified Ethical hacking (CEH)
- Google certified Mobile Web Specialist

## Career Prospects

- Embedded Software Engineer
- Software and Systems Architect
- Software and System Engineer
- Software Programmer, Developer, and Tester
- Requirements Engineer

\*Extra Cost on Actuals

# B.Tech. Information Science Engineering

## About the Program

Information Science Engineering is an interdisciplinary science primarily concerned with the analysis collection classification, manipulation, storage, retrieval and dissemination of information. The core areas of study includes Hardware, Operating Systems, System Software, Application Software, Networking, Programming Languages, Design and Analysis of algorithms, Decision support system etc. Information System is a broad, interdisciplinary field, incorporating not only aspects of computer science, but often diverse fields such as archival science, cognitive science, commerce, communications, law, library science, management, mathematics, philosophy, public policy and the social sciences.

Course integrated with Advanced Certification in software testing from from Micro Focus (Formerly HPE), who provide software education to students.

## Program Objectives

- To inculcate the professional expertise to play leadership role along with their paths and develop capability to utilize engineering skills in industry
- To impart up to date technical knowledge and skills to produce well-qualified Information Science Engineers

## Program Code

008A

## Course Code

8A02

## Skill Development Program\*

Certified Network Design in association with CISCO Networking Academy

## Career Prospects

The wide-variety of career opportunities that awaits for Information Science Engineering graduates are as follows:

- PHP Developers
- Technology Developer
- Technical Consultant
- Programmers
- IT Specialist
- Quality Analyst

\*Extra Cost on Actuals



# B.Tech. Computer Science & Engineering

## About the Program

The IT revolution in the 21<sup>st</sup> Century has reached a billion people so far. From shaping virtually everything from the objects around us to the ways in which we communicate, travel, work, and play, Computer Science & Engineering plays a vital role. With a boom in the technology sector, it is proving to be a lucrative career opportunity for students, who are in the juncture to pass out from school and are considering various aspects for their future career option.

Advanced Certification in Devops, Machine Learning & Artificial Intelligence from Micro Focus (Formerly HPE) to students.

## Program Objective

- To build strong foundations in areas of Computer Science Engineering.
- To help students to apply knowledge of mathematics, science, and engineering.
- To make students to design and conduct experiments, as well as to analyze and interpret data .
- To provide an assistance in transforming theoretical concepts into practical application.

### Program Code

008A

### Course Code

8A03

### ADD on Programs

C, C++, Cloud Computing, Mobile Computing

### Skill Development Program\*

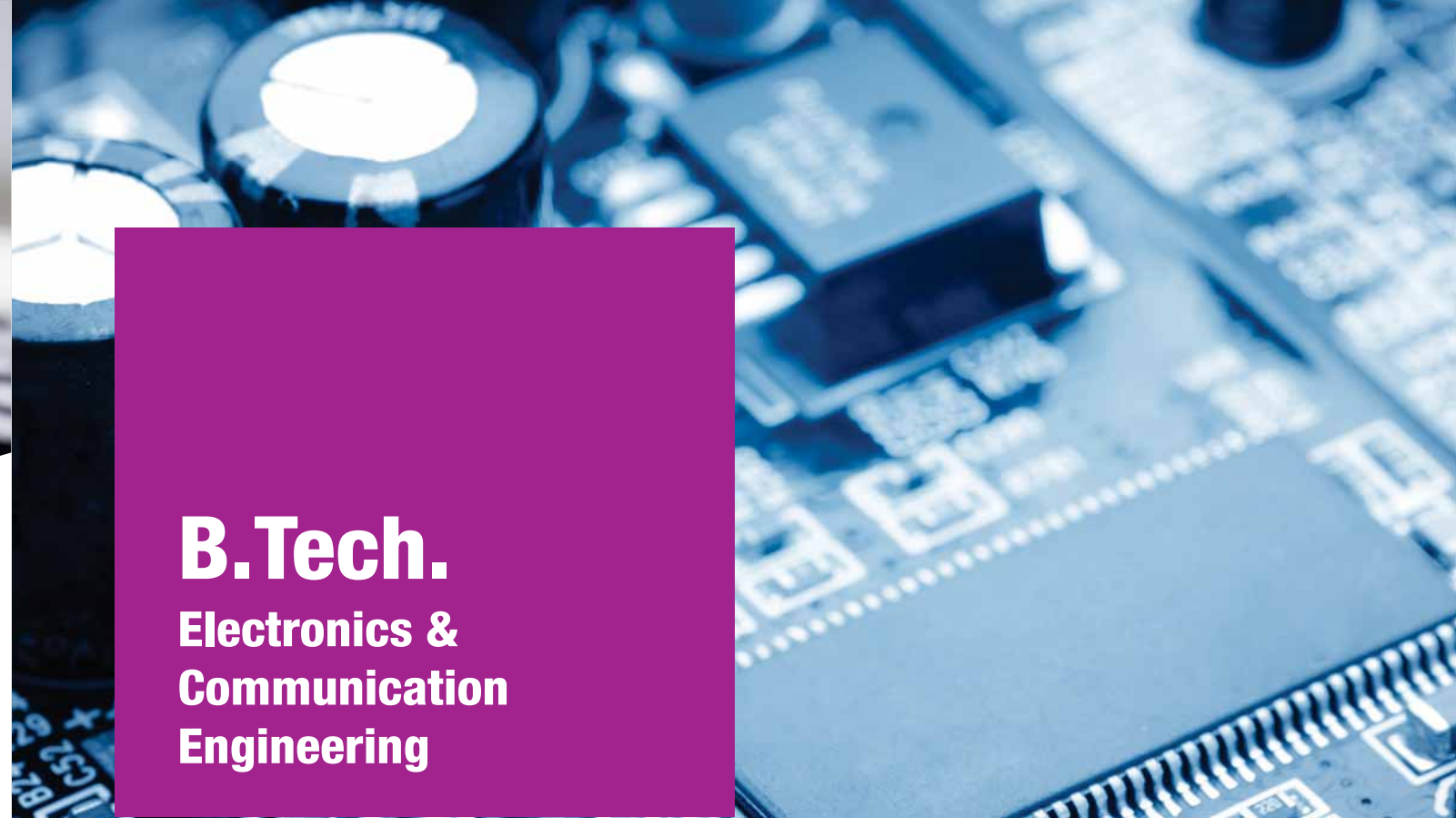
Certified Network Design in association with CISCO Networking Academy

## Career Prospects

Computer Science & Engineering professionals have a variety of career opportunities in the field of research, academia, government, industry, private and business organizations. Here are some of the research and vocational areas in computing:

- Artificial Intelligence
- Computer Architecture
- Computer Design and Engineering
- Operating Systems and Networks
- Information Technology
- Software Applications
- Software Engineering
- Computer Theory

\*Extra Cost on Actuals



# B.Tech. Electronics & Communication Engineering

## About the Program

Electronics & Communication Engineering is the utilization of science and math applied to practical problems in the field of electronics and communications. This program's objective is to make the graduate to play a leading role in research, design, development and testing of the electronic equipment used in various communications systems. This program is designed in such a way that it helps students to acquire knowledge of design and development in Electronic Devices, Chip Design, Microprocessor and Embedded Systems applications, Analog & Digital Circuits and Systems, modern communication devices such as cellular telephones, radios and television.

## Program Objectives

- To help students to learn fundamental of electronics and communication engineering along with specialized communications topics such as digital signal processing, optical and radio frequency engineering, network protocols / technologies and the design and optimization of networks.

- To give the required skills and knowledge necessary to start off an exciting and rewarding career in the field of electronics.
- To provide an exposure to emerging cutting edge technologies and enable appropriate training to work as a team with effective and efficient technical exposure.

### Program Code

008A

### Course Code

8A07

### Add on Program

Embedded Systems, Communications, DSP

### Skill Development Program\*

Certification in Embedded Systems Design

## Career Prospects

The competent graduates have a huge demand in Electronics & Communication Engineering industries. A graduate can work in consumer electronics, aviation and avionics, manufacturing, semiconductors industries, telecommunications industries, power generation and distribution, radio and television, medical electronics equipment and offshore industries.

\*Extra Cost on Actuals



# B.Tech. Robotics & Automation



## About the Program

Robotics & Automation is a field of engineering that deals with design and application of robots and the use of computer for their manipulation and processing. Robots are used in industries for speeding up the manufacturing process. They are also used in the field of nuclear science, sea-exploration, servicing of transmission electric signals, designing of bio-medical equipments etc. Robotics & Automation requires the application of computer integrated manufacturing, mechanical engineering, electrical engineering, biological mechanics, software engineering. Robotics & Automation Engineering is the use of control systems and information technologies to reduce the need for human work in the production of goods and services.

## Program Objective

- This program will prepare individuals to apply mathematical and scientific principles to the design, development and operational evaluation of computer controlled electro-mechanical systems and products with embedded electronics, sensors, and actuators; and which includes, but is not limited to, automata, robots and automation systems.
- The program provides students with the knowledge and skills necessary to apply scientific methods and theories in a broad variety of engineering and research careers as well as in doctoral studies.
- Students focused on automation technology will be able to design automation solutions utilized in buildings, production lines, processes and companies' products, measurements, automated controls, and user interface. They can design and implement control systems and evaluate different options for control and adjustment solutions.

## Program Code

008A

## Course Code

8A11

## Career Prospects

- Graduates from the program are equipped with knowledge and skills to work in a broad variety of engineering careers in both the public and the private sectors.
- Robotics plays an essential part in several modern manufacturing companies. The following are the industries that a Robotics engineer can find work in: Aerospace, Defence contractors, Entertainment, Manufacturing, Medical research (development of prosthetic parts)
  - Robotics engineer: Design and build robots for research and industrial uses; work for companies like ABB Robotics, AeroVironment, Boeing, Bosch, Caterpillar, 3D Robotics
  - Automation Engineer: Design and build automated manufacturing systems; work for companies like ATS Systems, Boeing, Caterpillar, GE, Johnson Controls, Siemens
  - Employment opportunity range from industrial automation, designing control systems for non-robotic systems (like airplanes), and researching advances necessary to make robotics a commercially viable industry (such as iRobot).

# B.Tech. Electrical & Electronics Engineering

## About the Program

B.Tech. in Electrical & Electronics Engineering is a four year full-time program that has an extensive reputation and tradition of excellence. This Program equips the graduates to pursue a career in Electrical engineering, Power systems, Bio-medical Engineering, Communications, Control systems and Embedded Technologies through a diverse range of theoretical skills and practical experience, presented in the context of real applications and design experience.

The curriculum of this program is based on the choice-based credit system that is eventually updated to incorporate the industrial scenario in consultation with experts from industries and renowned academicians. The program also involves with many best practices including mini projects associated with lab and theory courses, continuous evaluation, Industry institute linkage for added skill development programs, industry visits to reputed industries and power stations.

## Program Objective

- To give students the specialist skills and knowledge necessary to begin an exciting and rewarding career in power engineering, smart grid, control, monitoring, maintenance and communication industry.



- To help students to learn fundamental electrical and electronic engineering along with specialist in acoustics, speech, signal processing to electromagnetic compatibility, automobiles to vehicular technology, geo-science and remote sensing, laser and electro-optics, robotics, ultrasonic, ferroelectrics and frequency control

## Program Code

008A

## Course Code

8A05

## Add on Programs

Energy Management and Auditing

## Skill Development Program\*

Certification in Industrial Automation

## Career Prospects

The graduates of B.Tech. in Electrical and Electronics Engineering will have the opportunity to work in various Government Sectors like atomic power plants, hydro or thermal power plants. Job opportunities are ample in both private and public sector like railways, civil aviation, electricity board and utility companies, electrical design and consultancy firms and all types of manufacturing industries that includes

- Design, manufacture and operate power plants, industrial machinery, electrical motors, and ignition systems for automobiles, aircrafts, space crafts and all kinds of engines
- Research and design improved ways for using electrical power
- Compute detailed calculations for the manufacture, construction and installation of electrical equipment as per specifications
- Attend to operational issues and troubleshoot problems in the operation of electrical equipments
- Specialize in power generation, transmission and distribution, communications, electrical equipment manufacturing.

\*Extra Cost on Actuals



# B.Tech. Mechanical Engineering

## About the Program

Mechanical Engineering involves the innovative application of science & technology from the design, to production & operation of mechanical devices, machinery and systems. Mechanical engineers specifically apply fundamental maths and physics laws to create and build mechanical devices we use every day.

## Program Objective

- Promotes independent thinking and learning at an individual's pace
- Nurtures you to meet the global competency in industry and academics

### Program Code

008A

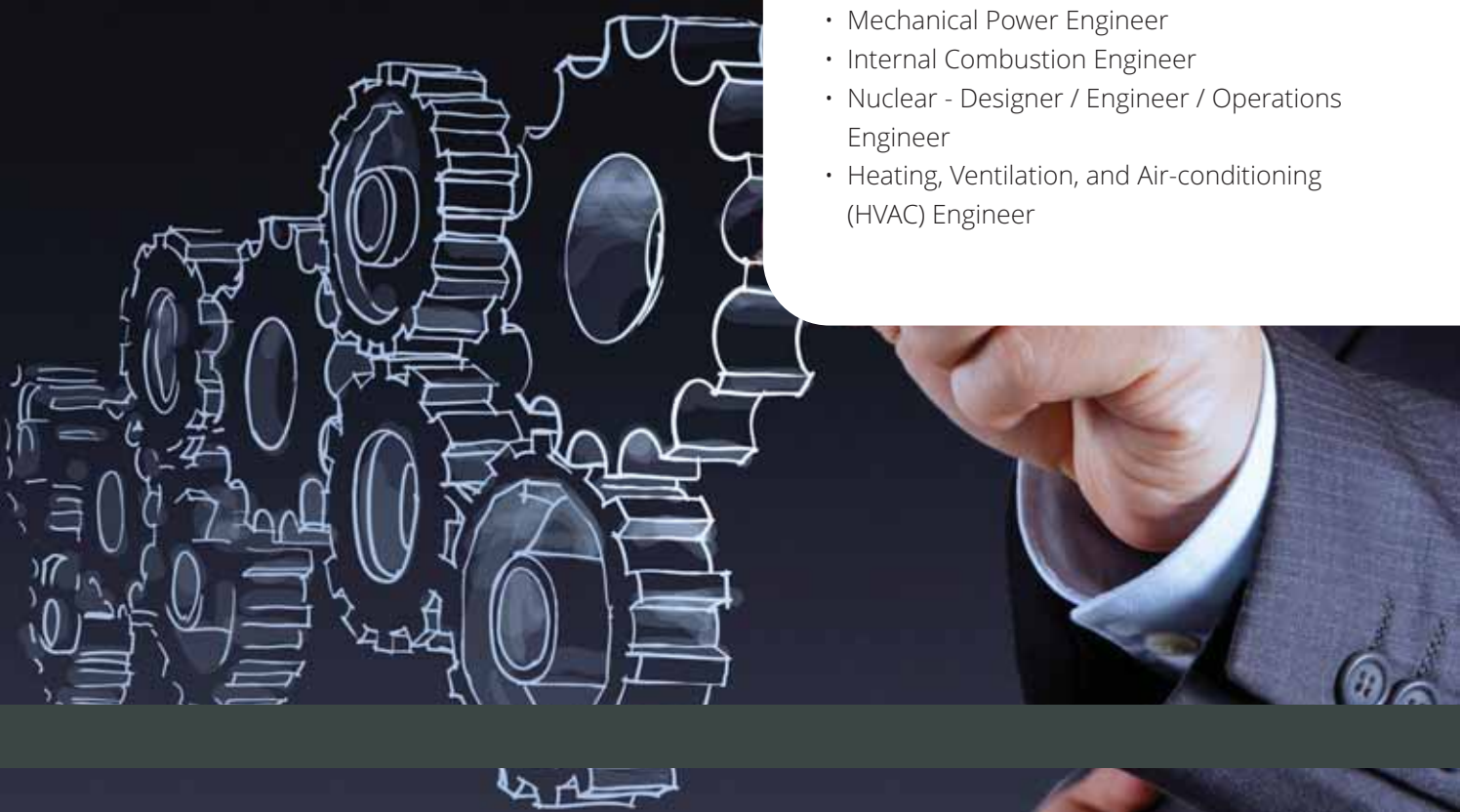
### Course Code

8A04

## Career Prospects

A wide range of career opportunities available for Mechanical Engineers are:

- Mechanical Engineer - Marine / Hydraulic / Maintenance / Power Engineer
- Engineer - Mechanical Design / Robotic / Nuclear Operations / Power Generation / Tool
- Engineer / Pattern/ Piping / Thermal design / Lubrication / Automotive
- Design and Research Engineer
- Heating and Ventilation Engineer
- Diesel Engineer - Design and Research
- Mechanical Power Engineer
- Internal Combustion Engineer
- Nuclear - Designer / Engineer / Operations Engineer
- Heating, Ventilation, and Air-conditioning (HVAC) Engineer



# B.Tech. Metallurgical & Materials Engineering

## About the Program

The Metallurgical & Materials Engineering is unique B.Tech. program designed in consultation with industries, R&D organizations and academic experts in the domain. The program gives the student an in-depth knowledge on materials, processing and applications. The subject also gives an in-depth understanding of producing materials with desired properties for various applications. Metallurgy & Materials Engineers are required in various fields like Nuclear Power Plants, Railways, Oil & Gas plants and other R&D organizations.

## Program Objective

- To impart students, the knowledge of fundamental and complex engineering problems, solutions, and limitations in metallurgical and materials engineering, using modern tools.
- Strengthening the collaboration with industries, research organizations and institutes for internship, joint research and consultancy.
- Graduate will be trained to play the key role in large scale industries and to develop as an entrepreneur.

### Program Code

008A

### Course Code

8A18

## Add on Programs

Smart Materials, Characterization of materials etc.

## Skill Development Program

Certification as Materials Analyst

## Career Prospects

Metallurgical & Materials Engineers have career opportunities as graduate engineers in Automobile industries, Railways, Nuclear Power Plants, ore and minerals extraction companies, foundry and PSU's like DRDO, ISRO, SAIL etc. Apart from these opportunities they may also work in R&D organizations as scientists.



# B.Tech. Nano Technology

## About the Program

Nano Technology is a branch of engineering which deals with study of manipulating matter on atomic, molecular and supra molecular scale. The field of nano technology is quite diverse, it encompasses new approaches based upon molecular self-assembly, investigation in the possibility of direct control on the matter on an atomic scale, extensions of conventional device physics and development of new materials with dimensions on the nanoscale. It entails the application of different fields of science. Such fields are organic chemistry, micro-fabrication, molecular biology, surface science, and semiconductor physics. Engineers from nano technology apply their knowledge in the field of design, manufacture, and operational processes to move ahead the world around

## Program Objective

- To elucidate emerging needs in nano technology environment, health; and safety, and incorporate them into basic education that can be immediately employed in industry;
- To provide current information related to research and tools in nano technology environment health and safety, and ensuring that our educational efforts serve the needs of industry.
- To promote interdisciplinary interactions among

engineering, engineering technology, science, and industrial management / technology majors.

<b>Program Code</b>	<b>Course Code</b>
008A	8A08

## Add on Programs

MEMS / NEMS, CFD, CAD, CAM, CAE

## Skill Development Program

Certified Material Analyst, Soft Nano Technology

## Career Prospects

The Nano Technology graduates have great career opportunities to look from. They are demanded across various sectors such as Aerospace, Food and food packaging, Cosmetics, Personal care products, Sporting goods, Textiles, Oil & Gas exploration and production, Composites, Pharmaceuticals, Wound care, Chemicals, Environmental remediation, Energy, Electronics, Pesticides and Automotive. Engineers from Nano Technology also work in research and development testing laboratories.

# B.Tech. Automobile Engineering

## About the Program

Automobile engineers generally tend to specialize in a particular area. The most common areas of specialization include exhaust systems, engines and structural designs. No matter what an engineer decides to specialize in, he or she is almost always required to work on all three aspects of the automobile engineering process; research, designing as well as testing.

## Program Objective

- Explain the working of various parts like engine, transmission, clutch, brakes
- Describe how the steering and the suspension systems operate.
- Understand the environmental implications of automobile emissions
- Develop a strong base for understanding future developments in the automobile industry

<b>Program Code</b>	<b>Course Code</b>
008A	8A09

## Add on Programs

CAD, CAE, CAM, NVH, AMM

## Skill Development Program

Certified program on Vehicle design and Development

## Career Prospects

India is now at the forefront in Automotive Technology with the ranking of 6<sup>th</sup> largest Passenger vehicle Manufacturer. We aspire to be the third largest manufacturer by 2026, as per Automotive Mission Plan (AMP-2026). In coming years, Indian automotive and component industry will be required to design automotive systems and components with proper techniques and analysis. For this, we would require around 65 Million manpower in the next 10 years.



# M.Tech. in Aerospace Engineering

*(Aerodynamics / Avionics / Aerospace Structures / Aircraft Propulsion)*

## About the Program

M.Tech. in Aerospace Engineering is designed in consultation with potential employers, such as Aircraft Industries (India & Overseas), Aerospace R&D, Airlines and Academic Institutions etc. Aerospace field is sophisticated and interdisciplinary involving leading edge technology with rewarding career opportunities. With the aerospace activities growing worldwide including India, there is a great demand of qualified Aerospace Engineers. Aerospace Engineers will be employed in the areas of design, manufacture and maintenance, and will have opportunities to occupy positions in R&D and Industries, teaching positions at various levels in academic institutions and regulatory bodies.

For Aerospace Engineering the curriculum includes design and manufacturing of aircraft and spacecraft including launch vehicles, advances in materials and manufacturing technologies, concurrent Engineering and computerized software tools for analysis of structures and fluids.

## Program Objectives

- To provide the best possible Educational facilities for training students for the careers in Aerospace Engineering
- To nurture students to meet the Global competency in Industry, research and academia.
- To provide an opportunity to carry out the Project works with Prestigious organizations
- To provide practical exposure to flight-lab course and aerospace industry exposure through industrial visits.

**Program Code - 049**

## Course Code

### 4902 - Aerospace Engineering - Aerodynamics

In this program aerodynamics of fixed wing and rotary wing aircraft, flight controls, wind tunnel testing, aircraft aerodynamic design, computational fluid dynamics, manufacturing methods are included in the curriculum.

### 4903 - Aerospace Engineering - Aerospace Structures

For aerospace structures the curriculum includes design and manufacturing of aircraft and spacecraft including launch vehicles, advances in materials and manufacturing technologies, concurrent Engineering and computerized software tools for analysis of structures.

### 4905 - Aerospace Engineering - Avionics

In this program aircraft and spacecraft navigation and communication systems, flight test instrumentation and flight management systems, development of algorithms, is part of the course curriculum. Also air traffic control and surveillance systems are also part of the course curriculum. Avionics software testing as per DO-178B standard is also a part of the course. MIL STD 1553, communication lab, radar lab, navigation lab also part of the curriculum.

### 4921 - Aerospace Engineering - Aircraft Propulsion

Course curriculum of aircraft propulsion includes principles and design of aircraft propulsion systems such as gas turbine engines, performance evaluation, advances in materials and manufacturing technologies, concurrent Engineering and computerized software tools for analysis of fluid flow through propulsion systems.

## Career prospects

The career prospects after M.Tech. Aerospace Engineering are bright as it is an ever increasing field of work. The major sectors for employment are the Civil Aviation Sector, various government departments, and research organizations like Vikram Sarabhai Space Centre (VSSC) and ISRO (Indian Space Research Organization). These organizations hire these engineers for the posts of junior engineers. The Hindustan Aeronautics Limited and National Aerospace Laboratory also hire Aerospace Structures Engineers as Indian Air Force also does.

The top job profiles are of Aerospace Design Engineer, Senior Design Engineer, Project Lead, R&D Executive, Research Associate, Software Engineer, Aviation Engineer, Flight Operations and Testing Engineer, Teaching positions at academic institutes, Research Scientist, Division Head, senior level positions in industries and research institutes.



### About the Program

The Masters in Construction Technology program targets students who wish to develop and deepen their knowledge in the areas of building performance, sustainable design and building informatics. The program is interdisciplinary and evolves it through knowledge about building performance & its design. Significant social, economic and environmental changes are causing a growing demand for high-performance and sustainable buildings. Due to advancements in science and technology, such buildings are ever more diverse in function and shape as well as more energy efficient and responsive to occupant's needs.

### Program Objective

To help students to learn how to apply scientific methods and provide technologies in order to address the multi-faceted challenges posed by high performance and sustainable buildings.

## M.Tech. Construction Technology

### Latest Lab Facility

CAD laboratory equipped with 72 latest systems with relevant softwares such as AUTOCAD Packages, CYPE, Climate Consultant and other softwares for Building Simulations, Instruments Anemometer (CMM, CFM), Humidity meter, Light meter, Digital Thermometer, Handheld GPS, Laser measurement kit, Total Station, Digital Sound Level Meter.

### Program Code

049

### Course Code

4918

### Career Prospects

Career opportunities available for the M.Tech. in

Construction Technology are as follows:

- Entrepreneurs
- Professional Engineers in the Area of Green Technology and Sustainable Engineering
- Assessors of Buildings / Infrastructure and Accredited Professionals for building ratings can develop engineering curriculum for sustainable future education system
- Become Members for Green Tribunal



## M.Tech. Structural Engineering



### About the Program

M.Tech. in Structural Engineering is a 2 year postgraduate course offered by School of Civil & Environmental Engineering, Jain University. The Structural engineers are specialists in design, construction, repair, rehabilitation and conservation. They are concerned with all aspects of a structure and its stability. M.Tech. in Structural Engineering involves Structural Mechanics, Finite Element Analysis, Structural Dynamics, Structural Reliability and Optimization, Reinforced and Pre-Stressed Concrete, Steel Structures, Design for Wind and Earthquake, Tall Buildings and Towers, Computer Applications in Structural Engineering, etc.

### Program Objective

To develop Structural Engineers having strong expertise in onshore infrastructure and a sound background for specialized areas like Offshore Structure / Management (General) / Bridge Structure / Hydraulic Structure

### Program Code

049

### Course Code

4926

### Career Prospects

Students who completes this course will have career in the areas of structural design and construction, offshore design and construction, oil and gas sector, bridge design, construction management, hydraulic structure design. The major recruiters include MECON, SERC-Chennai, Hindustan Prefab limited, EIL, Bridge corporation of India, L&T, STUP consultants etc., They will become

- Structural Consultant
- Structural Engineer
- Design Engineer
- Bridge Engineer
- Offshore Design Engineer
- Offshore Construction Engineer
- Structural Consultant
- Construction Manager
- Engineer in Public Sector, Govt. Sector and Private Sector
- Scientist

# M.Tech. Town & Country planning



# M.Tech. Cyber Security



## About the Program

Town planners ensure land is used effectively to meet economic, social and environmental needs. Planners are involved in making both short and long-term decisions about the organization and development of commercial sites, villages, towns, cities and the countryside, advising the community, developers, local and national government to help them make decisions about development. In the Context of Smart City Development the Town planners operate at very different scales; from considering the location and connectivity of inter-modal transport system, large energy facilities or renewable projects through to more local issues such as the design, development and construction of new homes, shops, schools, urban spaces and so on.

## Program Objective

Students will learn advanced urban, rural, Environmental and transportation planning, with the help of BIM software and other modern tools. They will learn to optimize the effectiveness of a community's land use and infrastructure.

## Program Advantage

The course provides opportunity to learn new tools, exposure to Planning of new towns, study Structural Fire in Fire combustion and Research Centre, JU-UL Lab, Industrial visits, Linkages with professional societies like ICI, IGBC, ACCE, ISTE and take-up live minor and major projects in the area of Construction, Planning and in Inter-disciplinary areas

**Program Code** 049      **Course Code** 4927

## Career Prospects

The career growth opportunities are as Urban Planner, Architects, Developers, Scientists in City Improvement Trust Board, Engineer in government and Private organizations like NBCC, HUDCO, PWD, Housing Board etc.



## About the Program

The need for studying cyber security as a formal degree program has seen an exponential advancement in the last decade mostly fueled by explosion in the use of internet, extensive penetration of smartphones, increasing use of e-commerce, e-banking and the social media. Cyber Security plays a vital role in ensuring the safety of digital economy. Today, Cyber Security has become an important enabler for broadening engine of a country's development and economy.

## Program Objective

- Helps students to obtain knowledge for new age career opportunities in Cyber Security and Information Assurance

- Protects information at the core of Cyber Security by providing a horizontal impact on every aspect of Digital Information Age

**Program Code** 049      **Course Code** 4930

## Career Prospects

Some of the market and career growth opportunities are:

- System Administrator
- Network Security Professional
- Web Security Tester
- Information Security Analysts





## M.Tech. Data Science

### About the Program

Data Science plays a vital role in ensuring the proper decision making process with cross and up development of businesses. Today Data Science has become an indispensable division in any business organization either in private sector or in government sectors. Hence the achievement of any project of private or government sector solely relies on analytics based decision making process done by skilled data science professionals.

### Program Objective

Provides a platform to understand the application of concepts through practical experiments and aims to place career in Data Science on a higher growth pedestal

#### Program Code

049

#### Course Code

4932

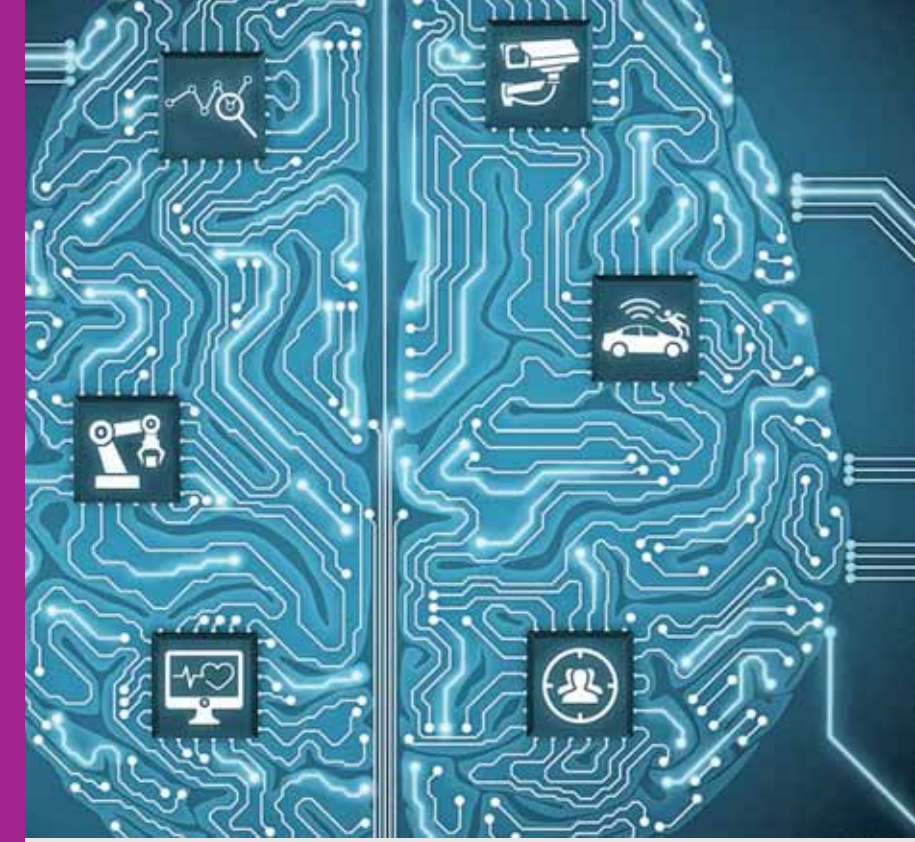
### Career Prospects

Some of the market and career growth opportunities are:

- Chief Data Officer
- Data Scientist



## M.Tech. Intelligent Systems (Internet of Things)



### About the Program

M.Tech. Intelligent Systems (Internet of Things) program aims to build in eligible candidates, the skills needed in analyzing, designing, and developing complex cognitive systems. Such cognitive systems can perceive their environment and react accordingly in an intelligent manner. Another significant feature of these intelligent systems is their ability to learn and adapt to complex and changing environments, requirements and users.

The Internet of Things (IoT) represents a new stage in the digital revolution, fully contributing to the construction of a digital society. Today, technology drives an ever-increasing number of things around us. Fitness trackers, smart homes and gaming devices are seamlessly connected with our lives, enabling us to enjoy a greater degree of personalized and immersive experience.

### Program Objectives

- To impart the required learnings to the present situation in the field of Cyber Security with comprehension ideas, Embedded Platforms and Protocols, Machine Learning and AI to Develop an IoT Application.

- To train the students both in technical as well as non-technical domains relevant to Internet of Things to empower their effective change into corporate life.
- To empower the graduates to get proficient learning and aptitude in IoT ideas and innovations yet in addition a chance to take in a few advances in this vital region of study.
- To adhere to a learning domain that animates enthusiasm for thinking about entrepreneurial roads.
- To prepare the graduates with the required specialized abilities that motivates them to think about the carrier growth in research and development.

#### Program Code

049

#### Course Code

4931

### Career Prospects

- Industrial data scientists
- Robot coordinator
- IoT solution architect
- Industrial computer engineer / programmer

# M.Tech. Artificial Intelligence

## About the Program

M.Tech. Artificial Intelligence program aims at preparing the students to take up application, research and development activities in core and some emerging areas in Computer Science, with focus on AI and AI related applications in a distributed computing environment.

Artificial Intelligence (AI) is a constantly growing field which recent advances are highly impressive and is trending on every industry possible. Becoming one of the best-loved technologies amongst the ingenious minds across the globe, AI demands a blend of computer science, math, cognitive psychology and engineering.

## Program Objectives

- This program pave a way to learn about techniques, namely, Intelligent systems, Multi-agent systems, Knowledge discovery, Recommender systems, Automated reasoning, Intelligent ambient, Self-adapting / healing systems, Applications of artificial intelligence to e-commerce, scientific computing and medicine
- Program offers flexibility to students in making their career choices in either of the niche areas or in a combination of them

- Unique learning path that teaches technical skills, enhances non-technical skills that are topped-up with orientation by industry experts thus significantly improving Industry Readiness Quotient Offers opportunities for Value Added Programs that compliments learning through academic curriculum

**Program Code** 008A      **Course Code** 8A03

## Career Prospects

- AI Research Scientist
- Artificial intelligence Engineer
- Artificial intelligence Specialist
- Artificial intelligence Analyst
- Senior Data Scientist
- Research Scientist
- Natural Language Processing Scientist
- Machine Learning developer
- Automation & Optimization Lead
- Game programmer
- Robotic scientist

# M.Tech. Computer Science & Engineering

## About the Program

The program aims at preparing the students to take up application, research and development activities in core and some emerging areas in Computer Science. The M.Tech. program follows the semester system right from first year and the curriculum is designed with a provision for elective courses. The department regularly conducts workshops, seminars, add-on courses & guest lectures for the benefit of the students. Students are motivated to participate in technical symposiums / conferences conducted by various organizations. Students are assigned a mentor to guide and counsel them in academic and career guidance.

## Program Objectives

- To generate human resources capable of supporting R&D activities in critical areas like Cloud Computing, Big Data, IoT & Android App Development

## Value Added Programs

Advanced JAVA, Image Processing, Machine Learning and Mobile Application Development

**Program Code** 049

**Course Code** 4933

## Career Prospects

Computer Science & Engineering professionals have variety of career opportunities in the field of research, academia, government, industry, private and business organizations. Here are some of the research and vocational areas in computing:

- Artificial Intelligence
- Computer Architecture
- Computer Design and Engineering
- Operating Systems and Networks
- Information Technology
- Software Applications
- Software Engineering
- Computer Theory





# M.Tech. Embedded Systems & Technologies

## About the Program

M.Tech. in Embedded Systems & Technologies is a two-year full-time program. In this course, students will learn chip level programming, embedded application development, protocol level development, OS related programming, middleware, etc.

The course also offers strong foundations in Embedded Systems Technologies by covering thrust areas such as Advanced Embedded Microcontrollers, Real-Time Embedded Systems, Advanced Embedded System Design, and System on Chip. Students also have access to industry collaborative laboratories set up by Texas Instruments. The department has dedicated laboratories equipped with Electronics Design Automation (EDA) tools such as (i) Cadence (ii) Model-Sim (iii) RTOS tool.

## Areas of Research

The students will get an opportunity to participate in projects related to, but not limited to - Design of Real-time Embedded systems and Large Area Flexible Electronics.

**Program Code**  
049

**Course Code**  
4914

## Career Prospects

Some of the roles available for post-graduates are as follows:

- Embedded Systems Engineer / Developer / Programmer
- Embedded Systems Tester
- Support Package Developer
- Protocol Development Engineer
- Embedded Systems SME (Subject Matter Expert)

# M.Tech. Industrial Automation & Robotics

## About the Program

M.Tech. in Industrial Automation & Robotics is a two year full-time program. This Program equips graduates with the necessary skills to troubleshoot, maintain, install and design automated production systems required for high-tech manufacturing industries. There is a large demand for such graduates, since the trend over the last decade is to move labour intensive production operations to lower wage economies. This M.Tech. program is designed to enable students to be familiar with concepts, processes and technology in diverse areas. The build of our entire courseware was filled on the basis of the latest trends currently being followed all over the world.

The student who have completed this course will be able to

- Diagnose, troubleshoot and repair highly automated electro-mechanical and robotic systems used in manufacturing production lines.
- Build, analyse and troubleshoot electrical and electronic circuits using standard industrial test equipment.
- Create electrical and mechanical drawings using Computer Aided Drawing (CAD).
- Design and build mechanical assemblies for mounting motors and sensors securely.
- Program Programmable Logic Controllers (PLC's) for conveyor and automation systems.
- Program robots to execute automatic sequences.
- Capture and display real world signals (e.g. sensors)

- on a PC by means of a PC based
- Work on Data Acquisition System (SCADA / LABVIEW)
- Design, construct and fault-find Electro Pneumatic and Electro-Hydraulic systems.
- Apply theoretical knowledge to build, analyse and troubleshoot process control and instrumentation systems used in industry.

## Area of Research

The Students doing this Course will get an opportunity to carry out the further research in Industrial Automation & Robotics. They also involve in real-time Industrial Projects both in power sectors as well in manufacturing sectors.

**Program Code**      **Course Code**  
049                      4928

## Career Prospects

While the opportunities and job openings in the Industrial Automation & Robotics field are many. Some of the market and career growth opportunities are listed below.

- Automation Engineer
- Manufacturing Maintenance Engineer
- Electro Mechanical Engineer
- Process Control Engineer
- Instrumentation Engineer
- Equipment Test Engineer

# M.Tech. Communication Systems

## About the Program

M.Tech. in Communication Systems is a two-year full-time program. The program provides an insight to fundamentals of Communication Networks, Satellite and Space Communications and Software Defined Radios. This program offers strong foundations in information theory and coding, Digital communication, signal detection and system performance in the presence of noise, advance digital signal processing, Antenna Theory and Design, Mobile Communication Systems and Standards, Satellite Communication, Optical Fibre Communication and RF System Design. The department has dedicated laboratories equipped with MATLAB, Lab View and spectrum analyser.

## Areas of Research

The students will get an exposure to the on-going live projects related to satellite remote sensing and Navigation system.

### Program Code

049

### Course Code

4934

## Career Prospects

Some of the roles available for postgraduates are as follows:

- Design Engineer
- RF Engineer
- Telecom Engineer
- Systems Architect
- R&D Engineer



# M.Tech. Energy & Environmental Management

## About the Program

The M.Tech. program in Energy & Environment Management is designed to prepare individuals to apply engineering principles and technical skills to be professionals engaged in the development of sustainable energy-efficient practices. On completion of the course, the students will become professionals who help slow climate change, conserve energy resources, and maintain energy independence by making our industries and offices more efficient and less wasteful.

## Program Advantage

- Provide knowledge on key concepts of energy efficiency and illustrate the purpose and benefits of a systematic Energy Management Systems for organizations
- To equip students to plan and implement energy management systems
- To Provide leadership for development and implementation of energy policy, organisational structure for EMS, Training and communications and information management
- To nurture students to meet the global competency in industry and academia

### Program Code

049

### Course Code

4914

## Add on Programs

CAD, CFD, Energy Management Essentials

## Career Prospects

Scope for energy management includes utility procurement, report generation on energy usage and conservation, certification of green buildings and reporting greenhouse gas data to support voluntary climate commitments. While the opportunities and job openings in the energy management field are many, some are as listed below:

- Energy Manager.
- Maintenance Manager.
- Energy Auditor
- Facility Manager.
- Performance Improvement Specialist.
- Senior Energy Analyst.





# M.Tech. Thermal Engineering

## About the Program

The stream of specialization in 'Thermal Engineering' offers courses related to theory and applications of thermal engineering. The Thermal Engineering course lays emphasis on real-time applications of fluid flow and heat transfer in Thermal energy systems and Refrigeration & Air Conditioning systems. The core courses are designed to provide the students the required base for undertaking specialized electives and the project in the fields of Heat Transfer, Fluid Dynamics, Thermal Design and development of various components. The students are engaged in doing the practical classes in various laboratories such as Heat Transfer Lab, Computational Fluid Dynamics Lab and Advanced Thermal Sciences Lab

## Program Objective

The Thermal Engineering course lays emphasis on real-time applications of fluid flow and heat transfer in Thermal energy systems

- To understand the Cryogenic Engineering and Refrigeration & Air Conditioning etc.
- To provide the students the required base for undertaking specialized project in the fields of Heat Transfer, Fluid Dynamics, Thermal Design

### Program Code

049

### Course Code

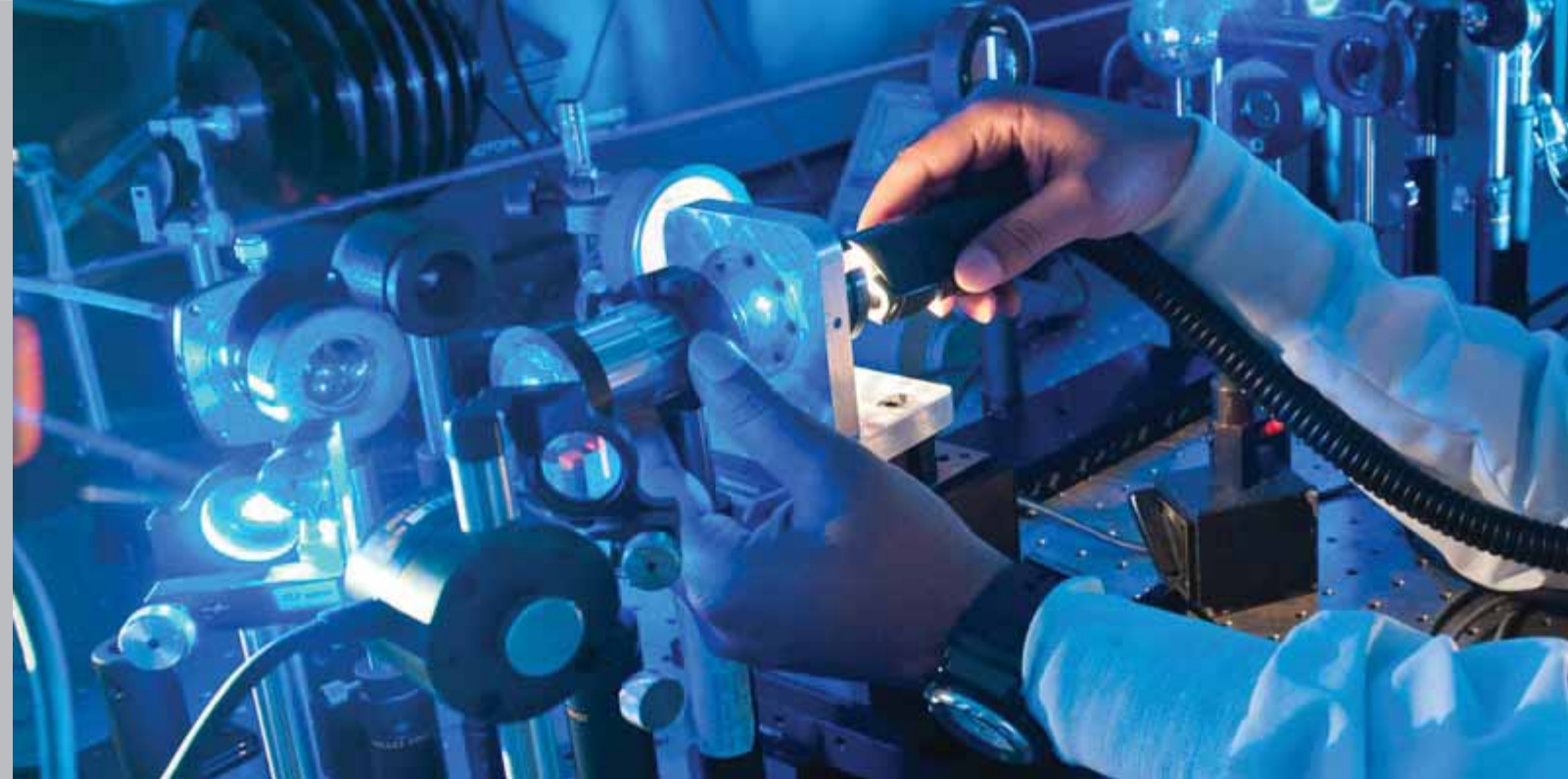
4908

### Add on Programs

CAD, CAE, CFD, CAESAR II

## Career Prospects

The scope of the Thermal Engineering discipline allows students a variety of career opportunities. Thermal engineers research, design, develop & test mechanical and thermal devices including tools, engines and machines. Thermal engineers work in general-purpose & automotive manufacturing, or for architectural & engineering service companies. Thermal engineers are most sought for providing climate control solutions through Heating, Ventilation, and Air Conditioning (HVAC) design.



# M.Tech. Materials Engineering

## About the Program

The postgraduate program leading to Master of Technology (M.Tech.) degree in Materials Engineering has been designed to help students pursue their career options in industry, research & development, as well as in academia. The program is divided into four full semesters which will enable them with the fundamentals, processing, characterisation and advanced materials. During the research work, a student has to get hands-on training in various processing and characterisation instruments as necessary. The program is designed for the students with a background in metallurgical engineering, materials science and engineering, other appropriate engineering disciplines, polymers, ceramics, physics and chemistry.

## Program Objective

- To familiarise the students with different materials, its properties and about the recent trends of materials.
- To provide in-depth knowledge about the

properties of different materials and various characterisation methodologies used in industries.

- To expose the students to real industrial problems and solutions with the help of competent guides.

### Program Code

049

### Course Code

4924

## Career Prospects

M.Tech. in Materials Engineering under Mechanical Engineering discipline allows students a variety of career opportunities viz-a-viz. Research and Development, Design, Testing and Quality improvement programs. Various Govt. organisation like ISRO, HAL, SAIL etc. require people with material science specialisation. Students can pursue their Ph.D. program in the same field and can apply for various Govt. aided projects in the following fields.

- Electronics / Semiconductor
- Manufacturing
- Biotechnology / Medical
- Food Processing



# M.Tech. Nano Technology

### About the Program

M.Tech. in Nano Technology is an emerging area that engages almost every technical discipline from chemistry to computer science - in the study and application of extremely tiny materials. It is one of the top ranked subject related to academic and research. Nano Technology is the branch of Technology. It deals with the study of extremely small things and can be used across all the other science fields, such as chemistry, biology, physics, materials science and engineering. It is rapidly expanding area of research with huge potential to revolutionise our lives and to provide technological solutions to our problems in agriculture, energy, environment and medicine.

### Program Objective

- Fundamental physical scaling laws applied to understanding the properties of materials at the nanometre scale.
- Experimental and computational characterisation of nanomaterials.
- Self assembly, surfaces and interfaces in nano technology.
- Other specialist topics in nano technology.

**Program Code** 049  
**Course Code** 4925

**Add on Programs**  
MAT labs, CAM, Mechatronics

**Skill Development Program**  
Certification as Nanomaterial characterizations

### Career Prospects

One can find job as nanotechnologists; specialists or scientists. The areas where a nanotechnologist can seek employment include biotechnology, agriculture, food, genetics, space research, medicine and so on. Job opportunities are also available in National Physical Laboratory, Indian Institute of Astrophysics etc. Candidates with Ph.D. can also join as faculty members in Universities and colleges or research fields.



# M.Tech. Food Technology

### About the Program

Food technology is a multidisciplinary field of applied physical science which combines science, microbiology and engineering education of food and other industries. The program provides various scholarships and provisions as a part of program for attending national/ international conferences and workshops at IIMs, AFSTI, IDA, AMSTI, IITs etc. Research level laboratories are funded by the Ministry of Food Processing Industries, Govt. of India, New Delhi.

### Program Objectives

- To strengthen students for the best professional practices in the Food Technology areas
- To empower manpower with the skills required for the food industries
- To nurture entrepreneurship in the food sector

- To promote cutting edge research in the areas of food science and technology

**Program Code** 049  
**Course Code** 4920

### Career Prospects

Numerous opportunities for food technologies are as follows:

- Quality control executives
- Food analyst
- Food process engineer
- Product development scientist
- Sensory scientist
- Food ingredient manager
- Food chemist
- Research scientist
- Entrepreneurs



## PLACEMENTS

Jain University has been a consistent topper for several years on the list of campus placement records among the top private institutions in India and is proud that its students are highly rated by top employers across different sectors and industries. Besides being a catalyst between the institution and industries, the Student Career Advisory & Placement Services Team provides guidance to the students in choosing good careers by facilitating to work for good companies.

### Student Career Advisory & Placement Support

Jain University has been a consistent topper for several years on the list of **campus placement** records among the **top private institutions in India** and is proud that its students are highly rated by top employers across different sectors and industries. Besides being a catalyst between the institution and industries, the **Student Career Advisory & Placement Support Team (SCAPS)** provides guidance to the students in choosing good careers by facilitating to work for good companies.

Over 300 prospective recruiters have hired more than 4,500 students from engineering campus over the last few years, which has been an outcome of a very precise placement process adopted by team SCAPS.

The dedicated placement team has always kept itself ahead of the peers by constantly innovating the hiring process thereby creating a niche for itself.

Apart from on boarding companies for campus placements, team SCAPS in association with academic team brings in industry exposure for students during their course through guest lectures, workshops, conferences, industrial visits and alumni talks from diversified industry. On successful completion of the chosen program, students will be industry ready for a career in engineering.

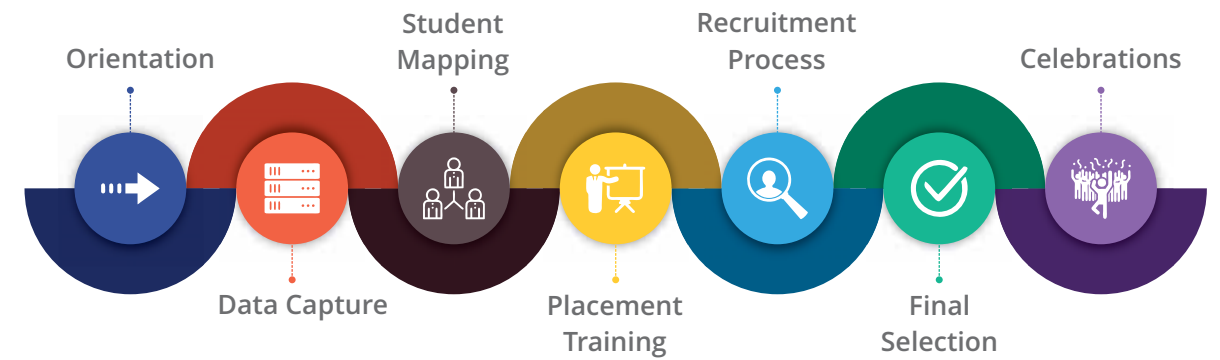
“ A successful placement should be an outcome of successful counseling, nurturing and grooming - This is what we believe in and deliver the same. ”

Dr. Easwaran Iyer  
Director - Placements, Jain University

## Placement Process

The dedicated placement team has always kept itself ahead of the peers by constantly innovating the hiring process thereby creating a niche for itself.

The 7 step placement process is as follows:



## Industry Interaction

The Student Career Advisory and Placement Support Team invite thought-leaders, entrepreneurs, executives and policy makers for interaction with the students.

It involves:

- CEO of the Month
- Words of Wisdom - Guest lecture Series
- Experiential Learning - Industry Visits
- Inspiring Alumni
- Learn2Apply - Workshops
- Share Your Knowledge
- Conferences & Seminars
- Value Added Programs

## Student Testimonials

I would like to thank the SCAPS team who delivered a brilliant service for placements. SCAPS also provided the best service by managing everything and making the interview process go smoothly. The whole team helped me get placed in Capgemini.

- **Nikhil Chandra**, CSE Department Placed in Capgemini

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The placement process has been incredibly smooth this past semester, with the college providing complete support to the students regarding the campus placements. Many companies have visited our college this time around and they continue to do so. As far as I know, this year's pool of companies have been more in number compared to all previous years and this will definitely boost one's chances of getting a job after engineering. I got placed in HashedIn Technologies and I'm very thankful to the college for providing me this opportunity. I hope the college provides complete support during the internship period of 8<sup>th</sup> SEM with regard to the internals, attendance and project submissions.

- **Abhinandan Shetty**, CSE Department Placed in HashedIn Technologies

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I just wanted to share and let you know that you people are doing an amazing job. I'm glad I decided to join Jain University. It's really great how easy the interview processes were. You people have brought so many companies, almost all good ones. Getting placed can never be more optimal. All credits to Jain University SCAPS team. Thank you for helping us getting placed.

- **Aravind G.**, ISE Department Placed in Juspay

## Corporate Testimonials - Engineering

It was a great experience at Jain University, felt good to see a college, meeting our requirements. The student quality is great too. Hope to be back next year also.

- **Anupam Agarwal** - HR Business Partner - Amazon India

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Students at Jain University were very proactive and also of a Good Quality. They have made the recruiting process fantastic, so much so that I would hope we cross paths again in the future as I would enjoy going through the experience again.

- **Soumya** - India - Staffing Advisor - HP

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We have found the placement cell to be very efficient in arranging & managing the overall recruitment process. The students are also found very sincere, intelligent and hardworking. We look forward to a continued enriching long-term relation with Jain University.

- **Bharath Kumar** - Oracle Retail Consultant- Infosys

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It was an awesome experience at Jain University. I completely appreciate the placement team for their continuous support. They kept in contact with me throughout the whole process, many thanks for that.

- **Sateesh** - Solution Architect - Attra Infotech Pvt. Ltd.

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Energetic Students, Well-Organized and Supportive. The students are determined and dedicative in their attitude, willing to learn and highly ambitious to make use of the opportunity. It was a great pleasure to visit the campus and we look forward for more campus placements from Jain.

- **Rukmini** - McAfee Software India Pvt. Ltd.

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The Aptitude Skills of Jain University students are excellent. Had an awesome experience today. Good hospitality and arrangements were well organized and we look forward for a strong association.

- **Kalyan Kamal Dutta** - Netcraker

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One of the best Universities in Bangalore to recruit students, good coordination and support. Good Infrastructure. They have always been professional, honest and reliable. We found a heterogeneous mix of students with varied backgrounds.

- **Harini** - Consultant - KPMG India Pvt. Ltd.

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Good experience at Jain University. The placement team is really doing their job great. Impressed by their hospitality and arrangement. Looking forward to come back next year too.

- **Venugopal** - Principal Architect - CISCO Systems India Pvt. Ltd.

## Our Major Recruiters



### HOW TO APPLY

Log on to [www.jainuniversity.ac.in](http://www.jainuniversity.ac.in) and apply

For admission enquiries, visit:  
 JGI Knowledge Campus  
 # 44/4, District Fund Road  
 Jayanagar 9<sup>th</sup> Block  
 Bangalore - 560 069

## SELECTION PROCEDURE

### Eligibility

#### Bachelor of Technology

Pass in PUC / 10+2 examination with Physics and Mathematics as compulsory subjects along with Chemistry / Computer Science / Electronics as one of the subjects and obtained at least 60% marks (55% in case of SC / ST category) in the above subjects taken together.

#### Master of Technology

An aggregate of 50% in bachelor's degree in the respective discipline or equivalent (10+2+3) without any backlogs are eligible to apply for Postgraduate programs.

### Application Procedure

All candidates must fill up the application form completely and submit within the stipulated time. Refer [www.jainuniversity.ac.in](http://www.jainuniversity.ac.in) regarding deadlines.

### Entrance Test

Once candidates application has been reviewed, the Admissions Office will conduct the Jain Entrance Test (JET) according to the schedule.

### Counseling Process (Allotment of Branch)

The allotment of branch of engineering is based on the candidate's performance in JET 2018 and the preferences indicated in the application form. Candidates will be intimated about the branch allotted to them through selection letters via e-mail. The decision of the Admissions Committee in allotting the branch to the candidates will be final.

### Final Decision

On completion of the counseling process the admission committee will review candidate application along with the branch opted in the counseling process and a provisional admission offer letter will be issued to all successful candidates.

