INDIA TODAY

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ASPIRE

THE GUIDE TO EDUCATION AND CAREERS

SPECIALIZATIONS/BRANCHES THAT CANDIDATES CAN CHOOSE FROM

ARTIFICIAL INTELLIGENCE ENGINEERING (AI)

CYBER SECURITY ENGINEERING

ROBOTIC ENGINEERING

LISTINGS

ENGINEERING INSTITUTIONS TO LOOK OUT FOR

An IMPACT Presentation

OCTOBER-MARCH 2021

15

EMINENT ENGINEERING COLLEGES

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CEO(Chief Executive Officer)
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CAREER IN ENGINEERING

As per a recent survey, India harvests engineering brains whose abilities have not yet even been scratched till now. So, the youth of India are inadvertently drawn towards making a career in the field of engineering which in turn is a step towards an ultimate goal of living up to the technical hope of mankind across the globe. Apart from having a regular course curriculum, Engineering is slowly and steadily making inroads in other non related branches with the advancement of science, innovation and research day by day. Engineering is a broad subject which is split into wide arrays of disciplines, including CSE, IT, Civil, Mechanical, Electrical, Environment and Food Technology Engineering etc.. Engineering entrance examinations are being conducted at various levels and there is a dire need of showcasing the mesmerizing scope of engineering as to why it should be chosen as a professional career for the personal as well as corporate world.

The present day scenario in the field of engineering has been built upon the hard work and continuous development pertaining to varied researches and innovations. At present, the cutting edge technologies like Cloud Computing, Machine Learning, Big Data, IoT, and Blockchain are the trending topics among the new comers from any educational background. The engineering career demands not only an analytical research bent of mind but also the knowledge across the domain of basic computation. Just like any other profession, the field of engineering has also undergone sea change within a few decades time and as a career option and in terms of compensation, engineering has limitless potential.

Everything around us is due to the marvels of engineering field. The food we eat, the news we read and share, the clothes we wear and even the homes we stay in are due to the spectacular work put in by the engineers at one time or the other. The phenomenal turf of engineering widely ranges from Electrical, Mechanical, CSE, IT, Civil, to the Structural engineers.

The big question arises as to how a career can be made in engineering? The answer is quite simple as there is no other profession which has the right to positively influence all other professions. As the humankind is becoming more and more dependent on machines for even the routine works and it is rightly said no one can find pearls until and unless they are willing to dive in the deep sea. Here are few reasons for adopting engineering as a career option.

Realization of employment: Innovation and expertise go hand in glove with each other. With the world moving at an unimaginable pace and to tackle the hitches on the way, an expert engineer will always find its place under the sun by providing solutions to the various problems. The entrepreneurial skills can convert them from job seekers to job providers.

Working for and with the team: Teamwork is a vital component of a successful career in engineering. For complex issues, having the like-minded collaborators makes the tasks easier to comprehend and helps in working in close quarters with various stakeholders as each member of a team can be assigned a specific task.

Employability: Creative scholars, issue solvers, communicators, cooperative individuals, are the most sought after in the field of engineering and provide a range for an assorted scope of occupations.

Exploring the world: Borders and boundaries are not the limits for engineers. You can even venture to the far corners of the planet with a vocation in designing. Designing enterprises are worldwide ventures, traversing the Americas, Asia and Europe.

Building a difference: Is there a parallel career where we can have fairly an instant outcome? The engineers make a difference in all the fields by being supporting at times and being highly efficient at others.

Superior remuneration: All the University graduates with an Engineering degree earn almost 20% more than the average graduate salary.

Great prospects: A career that has the potential to generate environmental friendly power, network protection, space travel, fabricating devices, altering the human hereditary qualities, forestalling sickness, handling neediness and preventing the dangerous atmospheric deviation.

In the present day scenario it is hard to imagine life without the engineers and their future prospects. The engineers are venturing into healthcare, building highways, working on information superhighways, and making our lives easier with the routine day to day work. It provides the chance to earn more than the bread and butter and also there is no limit to the career advancement.

Engineering is a broad term that covers a wide range of applications and industries. Combining Mathematics, Science and Technology, Engineers produce creative solutions to real world problems. As a result there are many different types of engineering degrees are available now for better future.

In the past, engineering could be divided into four major branches: Mechanical, Chemical, Civil and Electrical, engineering with sub branches of each discipline. Today the number of engineering degrees have increased dramatically and more than 40 different subcategories of engineering under each branches are also attracting many aspiring students.

TYPES OF ENGINEERING DEGREES

This guide would be one-stop-solution making course and college selection easy for students looking to pursue undergraduate (UG) and postgraduate (PG) engineering courses in India. In this guide students would get to know various information about career choices in Engineering Like Engineering colleges in India, admission criteria, duration, course fee structure, salary package and career opportunity.

Diploma Course leading to Diploma in Engineering

It is a 3-year course which students can pursue after the completion of 10th. Diploma holders are eligible for lateral entry to the third semester Engineering Courses.

Undergraduate Course leading to B.Tech Degree

Bachelor of Technology (B.Tech) is the 4-year full-time undergraduate course in engineering. This course can be done with one of the engineering discipline. Students can pursue B.Tech sfter 10+2 passed with PCM group from the recognized educational board.

Postgraduate Course leading to M.Tech Degree

Postgraduate course in engineering resulting in the award of a Master of Engineering (M.E.) or Master of Technology (M.Tech) degree . It is a 2-years course that one can pursue after completing a 4-year undergraduate program in engineering (B.Tech) from recognized Institution.

Doctoral Course in Engineering

Doctoral of Philosophy in Engineering (Ph.D) is the advanced research course in engineering that has the duration of 3 years. Course duration varies from college to college. Students admitted to the Ph.D. program should have a master degree in respective discipline.

THE NEW **PARADIGMS OF** ENGINEERING TO **REALISE THE $5** TRILLION DOLLAR **ECONOMY DREAM**

The honourable Prime Minister Narendra Modi's vision of making India a $5 trillion economy and a global economic powerhouse by 2024-25 is "challenging" but "realisable" and according to NITI Aayog CEO Amitabh Kant "India cannot achieve a USD 5 trillion economy without producing top-class engineers" and he also said says that "the Engineers build the country and top-class technology enables us to leapfrog in e-commerce, education, health and agriculture sectors etc."

The landscape of Engineering is changing due to two major reasons, first is brisk digitisation and the second is interdisciplinary nature of engineering applications, both these reasons requires a contemporary engineer to learn new skills and acquire the ability to work among varied specialties because an engineer must be able to interact with people from a number of other fields and amalgamate their ideas and characteristics from many perspectives.

The new engineering specialisations are being added to the pre-existing core courses for example the computer science engineering jobs of the near future will be centred around data and will fall into four categories, First, the Analysis of Data (Data Science Domain), Second, the Security of Data (Data & Cyber Security Domain), Third, the Management and Integration of Data (Data Servers, Cloud computing, Database Management & Integration Domain) & finally, the analytical applications of data from interdisciplinary fields (this involves newer interdisciplinary domains like Business, Clinical and Medical Science, Computational Biology, Bioinformatics, Biomedical Engineering etc.). The other major emerging job generation areas in computer science could possibly be AI, Virtual & Augmented Reality, Mobile computing & Mobile Development, Computer Gaming etc. The electronics engineering jobs of the near future will be centred around telecommunications (5G), robotics, SOC (System on Chip) Development and its integration, biomedical instruments etc. The electrical engineering jobs of the near future will be centred around alternate energy specially solar power, battery optimisation, grid management, energy management, E-vehicles, e-charging infrastructure etc. The mechanical engineering jobs of the near future will be centred around autonomous vehicles, design engineering, smart manufacturing, Innovative and nano materials etc. The civil engineering jobs of the near future will be centred around 'smart cities', Engineering and Design of Sustainable Built Systems, Risk and Reliability Analysis for Hazard Mitigation, Sensing, Monitoring, Control and Intelligent Systems etc.

Also soft skills, that is, communicating with people has become equally important along with industry or 'hard skills' in today's environment therefore there is an urgent need to align academic programs with future employment needs which include interdisciplinary application ability, digitally adaptability, soft skills and critical thinking. This is also the requirement as per the new education policy, 2020 by the GOI.

We must get ready for the very nature of work to change and also get ready for a lifetime of skills training and retraining, in real time. The ability to gain new knowledge will be more valuable than the knowledge itself.

The rapidly-changing technology environment as well as the growing economy requires young dynamic engineering graduates in all streams but with an interdisciplinary outlook, In the coming decade engineering in any steam will be a promising career.

Dr. MUNISH SABHARWAL
Dean- School of Computing Science and Engineering
Galgotias University
Greater Noida

CYBER SECURITY ENGINEERING

A cyber security engineer is an information security professional trained for different functions including designing, developing and implementing secure network solutions to defend against advanced cyber attacks, hacking and persistent threats. A cyber security engineer is the most in-demand job today, pays well and is a role that organisations desperately try to fill in.

COMPUTER SCIENCE ENGINEERING

Computer Science engineering (CSE) has become the most elite and in-demand branch of engineering in the world and CSE as an engineering course focuses on everything remotely related to computers. This includes bare metal knowledge of subjects such as System Architecture, Data Structures, Data Mining, Graph Theory, Algorithmic Learning and much more. Due to its all-encompassing nature, CSE is one of the few engineering courses with literally no boundaries as far as tech is concerned. The greatest minds of the tech business such as Steve Wozniak, Bill Gates, and Mark Zuckerberg were once enrolled in computer science engineering courses at their respective universities. In terms of placements and salaries, there aren't many engineering courses currently competing blow to blow with CSE. It is one of the best engineering courses with high salary packages.

Electronics and Communications Engineering One of the older and trusted engineering courses, Electronics and Communications Engineering has always been amongst the list of the top branches students prefer during counselling. Almost any modern-day appliance today which operates with a remote or fits in your hand has the hard work and knowledge of an EC engineer. The EC engineering courses structure involves 60 per cent electronics and 40 per cent communications. EC engineering courses are very detailed and in-depth in nature. Focusing on topics such as Digital Circuits, Digital Signal Procession, Network Analysis, Integrated Circuits, Telecom Network, EC engineering courses mould students according to current industry standards to focus on every aspect of current flow on a microscopic level.

CHEMICAL ENGINEERING

Though Chemical Engineering is one of the old engineering courses, it isn't as famous as its aforementioned counterparts in India. However, in the US and other developed countries, chemical engineering courses are one amongst the most popular courses. Due to lack of a thriving national pharmaceutical industry in India, many students prefer to opt for other mainstream engineering courses instead. Chemical engineering courses primarily target efficient methods of chemical production and control. Some subjects from its curriculum include Chemical Process Industries, Chemical Engineering Thermodynamics, Process Equipment Design and Mass Transfer.

Students pursuing this engineering course are recruited by companies based abroad, where their packages can rise astronomically due to a booming pharmaceutical business. Thus, only students ready to move away after four years should pursue chemical engineering courses. Many petroleum companies look at chemical engineers too.

AERONAUTICAL ENGINEERING

Aeronautical engineering is one of the many derivative engineering courses of the mechanical department. With the number of first-time fliers increasing every year, this industry is expected to surpass the Indian Railways in the near future. Grappling with such momentous potential, aeronautics promises to be an incredible option for engineers. One of the sub-mechanical engineering courses, Aeronautical consists of subjects like Aircraft Structures, Flight Dynamics, Aerodynamics, Propulsion and Avionics. Aeronautical Engineers find many takers in private airlines as well as government-funded organisations like DRDO, ISRO, HAL, Air India, DRDL and civil aviation department.

INSTRUMENTATION AND CONTROL ENGINEERING

Amongst the sub-electronics various engineering courses, Instrumentation and Control Engineering deals with the designing and developing control systems as well as the development of sensors, transducers and other devices. Though IC started off in the periphery of EC engineering courses, it has forged into an entirely separate division immense possibilities in emerging fields like robotics and automation. Though IC engineers are usually hired by IT companies, the future holds something much more exciting and dynamic for IC engineering courses. One can only imagine its level of application when robotics and automation ingratiate into human life.

AUTOMOTIVE ENGINEERING

Another highly specialised engineering course, automotive is a sub-branch of mechanical engineering. As the name suggests, Automotive engineering courses are based on every aspect of automobiles. Research, design, manufacturing, inspection and management of automobiles is taught in depth during the four years of automobile engineering courses.

Placement for automobile engineers is usually strong as the automobile industry loves graduates to be well versed in every aspect of an automobile.

MECHATRONICS ENGINEERING

An amalgamation of mechanical, EC and IC, Mechatronics engineering courses are another new age branch which could be vital for the development and research of robotics. The concept of mechatronics is to make mechanical devices easier to operate by using electronic instrumentation. An example can be cited in cars running on electricity, which combine core principles of both fields to produce an economical and eco-friendly substitute to fuel-driven cars. Though placements in Mechatronics engineering courses are yet to hit it off, research opportunities and future growth are undeniably important. Many students from this field usually move abroad after graduation in search of better growth and opportunities.

PRODUCTION AND INDUSTRIAL ENGINEERING

A field borne from mechanical engineering courses, Production and Industrial Engineering focuses on the management aspect of mechanical engineering. Like specific fields like automobile, production and industrial encompasses the management side of handling a shop floor of a manufacturing unit. Students pursuing PI engineering courses are proficient in handling every aspect from production and planning to inventory and incoming. Many manufacturing companies like Maruti, Tata Steel and Motors and Hyundai hire production engineers to map out the entire process of production in their factory unit.

MINING ENGINEERING

A sub-branch of chemical engineering courses, Mining focuses completely on mining operations such as ore mapping, planning, extraction and cleaning. Offered by top institutes like IIT Kharagpur, mining engineering is a very promising field considering the various mining operations across the country. Companies such as TATA Steel, Bhushan Steel, Vedantaetc hire top draw mining engineers in droves due to obvious demand, but this sector has a tendency to fluctuate over time.

OCEAN AND MARINE ENGINEERING

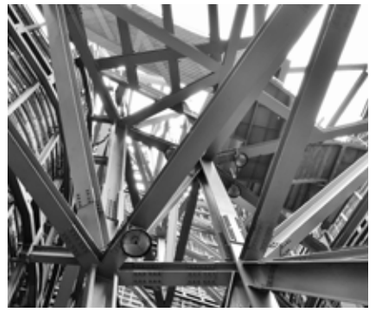
Ocean and Marine Engineering combine basic engineering courses like civil and mechanical with oceanography and marine geology to gauge coastal environment and build instruments to control these situations. Institutions like Indian Maritime University and VELS Academy of Maritime offer ocean and marine engineering courses. Many offshore oil drilling companies hire ocean engineers for emergency situations such as offshore oil recovery or oil spills. Other jobs include remote sensing, Naval Architecture and Marine transportation.

BIOMEDICAL ENGINEERING

Biomedical Engineering courses use design and engineering concepts for medical and biological needs. Some applications of this field include CT scanners, ultrasound machines, MRI etc. Biomedical engineers are usually tasked with designing products like artificial kidney, livers and other organs which have to be replaced and machines for helping in patient diagnosis. Biomedical engineering courses have not gained significant ground in India yet due to lack of funding. Engineering courses such as these are very research oriented and warrant a great deal of patience from students.

STRUCTURAL ENGINEERING

A derivative of civil engineering, structural engineering courses deal specifically with the structure of buildings. Structural engineering courses teach predicting and knowing the stability and rigidity of structures already constructed. In essence, structural engineers act as consultants to civil engineers during and after the construction of a structure. Companies like L & T, NHAI, Essar group etc hire structural engineers straight out of college for built structure testing and analysis.



ARCHITECTURAL ENGINEERING

Architectural Engineering courses provide the proverbial link between architects and civil engineers. Essentially, architectural engineering courses are multi-thronged where engineers learn both about the architectural side as well as implementing engineering principles during construction. Architectural engineering courses have similar recruiters to other civil related branches of engineering, such as L & T and NHPC.

COMPUTER ENGINEERING

Unlike IT or CS, Computer Engineering courses involve the design, manufacturing and maintenance of hardware parts of computers. Although this field is purely based in hardware, many IT companies are said to allow computer engineers to sit for interviews during campus recruitments in colleges across India. Computers and computing accessories manufacturers hire computer engineers as it is their core area of dissertation.

ROBOTICS ENGINEERING

Robotics is one of the newest engineering courses currently in colleges. While many cogs contribute to this field, robotics engineering courses are an essence of the fundamentals of this field and the opportunities it presents in the future. Robotics engineering courses are purely research-based and not many companies are currently hiring robotics engineering specifically.

MICROELECTRONIC ENGINEERING

Microelectronics is one of EC's peripheral engineering courses focusing on design, manufacturing and development of microprocessors and microchips. In today's world, nearly every electronic device comes attached with micro-electronic peripherals. The field involves the design of different microchips to suit different applications. Companies like Intel, AMD, ATI and Nvidia hire professionals from microelectronic engineering courses every year. This field is relatively new in India but is very exciting due to nearly as many applications like EC's electronic courses.

ENVIRONMENTAL ENGINEERING

Environmental Engineering courses combines the principles of engineering and environmental science to develop solutions which are eco-friendly and efficient. Environmental engineering courses are gaining a lot of popularity due to various environmental issues gaining popularity such as climate change, global warming, deforestation, greenhouse effect etc. India's jobs market is still relatively new to these types of engineering courses. However, this trend is taking off in Western countries where businesses are looking for eco-friendly solutions for engineering problems.

PAPER ENGINEERING

Paper Engineering, one of Mechanical's derivative engineering courses is designed specially to focus on the process of paper production. Paper engineering courses include studying the raw materials such as wood, processing of the wood pulp and maintenance of the product which is paper. A highly specialized field, paper engineers are recruited mainly by wood processing units and notebooks or paper manufacturing companies. IIT Roorkee is the only top college in India providing agricultural engineering courses at the moment.

SUSTAINABILITY AND DESIGN ENGINEERING

Moving hand in hand in with Environmental Engineering, Sustainability and Design engineering courses are a new age necessity for building systems which consume non-renewable resources conservatively. This field is applicable in nearly all engineering courses as excessive fuel consumption has to be controlled in every sector. The Energy and Research Institute (TERI), New Delhi is a very famous college known for providing engineering courses based on sustainable engineering. The scope for these kinds of engineering courses is huge considering every sector's need to cut down on fuel and energy costs.

SYSTEMS ENGINEERING

Systems engineering courses involve design and management of working complex systems to manage their lifespan. These engineering courses include designing of the process involved in manufacturing to make the best use of the resources available. Engineering courses such as these are very rare and are offered mainly in Top colleges in India such as IIT Kharagpur, IISc, IT-BHU and IIT Jodhpur. Usually, this course is preferred by students during post-graduation, but the trend of selecting specialized engineering courses for graduation is slowly becoming a phenomenon in India.

GEOLOGICAL ENGINEERING

Engineering Geology engineering courses essentially involve accounting of geological factors while identifying engineering data such as location, construction, operation and maintenance. This field is very useful civil engineers as they monitor every discernible factor of an area before commencing construction. Often times, geological engineering courses are considered a composition of civil, mining and petroleum engineering. Many construction companies hire undergrads from geological engineering courses for surveying sites before construction, especially in areas which are prone to natural disasters like earthquakes or tsunamis.

NUCLEAR ENGINEERING

Nuclear energy is one of the most exciting engineering courses in modern-day energy science. In such an environment, nuclear engineering courses are slowly emerging as a highly tempting field with exciting possibilities awaiting students after college. From learning about nuclear materials and radiation, students are taught about the construction, operation and maintenance of nuclear reactors and nuclear power plants. While these engineering courses are shrouded with the controversy of weaponising of nuclear materials, there are many other clean energy possibilities which are worth considering this field as a noble profession. Engineering courses such as these should only be considered by students interested in research work. Many top colleges in India such as PanditDeendayal Petroleum University, IIT Bombay, IIT Kanpur and IIT Madras provide nuclear energy as one of their specialized engineering courses.

GEOMATICS ENGINEERING

Also known as geospatial engineering, geomatics engineering courses involve the use of spatial data for measurement and visualization of data. This is a field sharing much of its DNA with surveying engineering. Since engineers cannot travel to all locations every time, geomatics engineers come in handy when a certain location has to be analyzed and surveyed without actually going physically to that location. Geomatics engineering courses are again in the same vein as Civil Engineering Courses, although their responsibilities are limited. Construction companies, bridge and dam construction companies and even some government agencies require geomatics engineers.

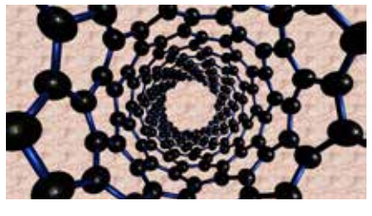
TEXTILE ENGINEERING

All the processes and methods involved in the manufacturing and production of textiles are covered in textile engineering courses.This is one of the old-school of engineering courses famous during the early days of Indian urbanization. The IITs started the regular branches of engineering along with textile engineering courses to meet the growing demand for engineers in textile shopfloors and factory units.

NANOTECHNOLOGY ENGINEERING

A very promising field for the future, nanotechnology engineering courses main focus on changing properties and structures of materials on a molecular level to improve the performance or eliminate problems. These types of futuristic engineering courses can bring a revolution in fields such as EC and Biotech which already work on a microscopic level.

Pollution tests, electronics design, medicine analysis and cancer research hire professionals from nanotechnology engineering courses for data analysis and molecular altering on a nano level.



NAVAL ENGINEERING

The design, research, development, construction, operation and maintenance of surface and underwater vessels are covered under naval engineering courses. This field primarily focuses on building naval vessels for the navy. Another one of the multi-thronged engineering courses, naval requires knowledge of all departments of engineering for the efficient management and operation of a vessel.

The Indian Navy is the primary recruiters of naval engineers. Along with marine engineering courses, naval engineering courses are also taught at IMU under the direct purview of the armed forces.

FIRE PROTECTION ENGINEERING

Use of engineering ideas to protect and prepare people and properties from fire hazards and smoke are covered under Fire protection engineering courses. The focus of these engineering courses mainly lies in designing systems to contain or sometimes prevent fire hazards. These systems include fire detection systems, fire suppression systems, passive fire protection and smoke control and management.

Colleges offering Fire Protection engineering courses include UPES, CUSAT and National Institute of Fire Engineering and Safety Management. Many big corporations hire fire engineers to be protected from any hazard that might take place. Smoke alarm companies and fire stations hire fire engineers too.

MOTORSPORT ENGINEERING

This Engineering Course is offered only in a select few colleges in India. An amalgamation of mechanical and automobile engineering, Motorsport Engineering courses focus purely on using mechanical and automobile engineering principles to solve motorsport problems. Though this field is highly specialised, passionate students couldn't ask for a more industry-driven course than this.

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MERIT BASED ON 10+2 MARKS

- 4 YEARS B TECH PROGRAMS
- 5 YEARS INTEGRATED M TECH PROGRAMS
- 3 YEARS BBA PROGRAM
- 3 YEARS B Sc PROGRAM
- NRI SPONSORED CATEGORY IN ALL PROGRAMS

MERIT BASED JEE 2020

- 4 YEARS B TECH PROGRAMS
- 5 YEARS INTEGRATED M TECH PROGRAMS

Also visit Institutional Websites for more informations

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

(Deemed to be University under section 3 of the UGC Act, 1956)
A-10, Sector 62, Noida, Gautam Buddh Nagar – 201 309 (U.P.)

An Institution Dedicated to Excellence in Higher Education

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4 YEARS B.TECH PROGRAMS

- CSE • ECE • IT • Biotechnology

Admission Process :

- Merit based on 10+2 Marks for CSE, ECE & IT.
- Merit based on10+2 Marks for Biotechnology (50% seats).
- Merit based on JEE (2020) .
- NRI/ Sponsored category admission to 1st year based on 10+2 merit in all programs.

5 YEARS INTEGRATED M.TECH PROGRAMS

- CSE • ECE • Biotechnology

Admission Process :

- Merit based on 10+2 Marks for CSE & ECE.
- Merit based on10+2 Marks for Biotechnology (50% seats).
- Merit based on JEE (2020)
- NRI/ Sponsored category admission to 1st year based on 10+2 merit in all programs.

2 YEARS M.TECH PROGRAMS

- CSE • ECE • Biotechnology

Admission Process :

- Merit based on GATE Score.
- Merit based on PGET-2020 conducted by JIIT.

2 YEARS M.SC PROGRAM

Physics, Mathematics, Microbiology, Environmental Biotechnology, Quantitative Economics

Admission Process :

- B.Sc. (Hons)/B.Sc. Under 10+2+3 Pattern

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Major Specializations in HR, Finance, Marketing, Operations and Information Technology

Admission Process :

- Valid score of CAT/MAT/ CMAT/XAT/GMAT/ATMA
- GD/PI.

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3 year full time Bachelor of Business Administration

Admission Process :

- Merit based on10+2 Marks.

DOCTORAL PROGRAMS

- Biotechnology • CSE • ECE • Humanities & Social Sciences • Management • Physics/ Materials Science & Engineering • Mathematics

Admission Process :

- For candidates having qualified UGC/CSIR-NET (JRF) – Direct Interview.
- For others – Institute level PhD Entrance Test followed by interview.

LATERAL ENTRY

DIRECT ADMISSION IN B TECH 2nd YEAR

- CSE • ECE • IT
  - B Tech (1st Year)/Diploma in CSE/IT/ECE with minimum aggregate of 60% marks in Science and Maths.
- Biotechnology
  - B Tech (1st Year)/Diploma in Biotech with minimum aggregate of 60% marks in Science.

B Tech and Integrated M Tech admission : Merit based on 10+2 Marks. Merit based on JEE (2020)

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शिक्षा व सेवा
JAIPRAKASH SEWA SANSTHAN

Careers in Artificial Intelligence & Internet of Things

Explosion of data and artificial intelligence of things have changed the way businesses are run across sectors including healthcare, banking, energy, education, retail, and others. Higher education has also been re-calibrated by the possibilities Artificial Intelligence, Internet of Things and Machine Learning have to offer. To foster higher education and research innovation, Manav Rachna has introduced B.Tech in Electronics and Communication Engineering with specialization in Artificial Intelligence and Internet of Things in association with Intel® Corporation.

Intel® Intelligent Systems Lab has been established at Manav Rachna Campus in accordance with the collaboration between Manav Rachna International Institute of Research and Studies and Intel® Corporation. This course provides an opportunity for the students to learn the insights to the most important technologies driving the modern world namely Artificial Intelligence and Internet of Things. The curriculum of the course has been developed with support from the Intel team. Course delivery will be done using Project-Based Learning (PBL) approach.

Intel® Intelligent Systems Lab provides students an opportunity to work on Intel® Xeon® Scalable Processor-based Server, Intel® Parallel Studio XE, AI Deployment Tools, AI Software Libraries, Intel® AI Framework Optimizations, Intel MovidiusTM Neural Compute Stick and Intel FPGA Boards. In the IoT Space, the students will get to learn about Intel Galileo, Intel Edison Boards along with other popular boards like Raspberry Pi and Arduino for designing IoT Systems. Four Ds of the lab- Discovery of possibilities & next steps; Data steup, ingestion & cleaning; Develop models using analytics/AI; and Deploy into production & iterate will play a major role in accelerating the journey of students in AI & IoT with Intel® Corporation.

"Advanced software and hardware tools have been introduced in this Intel lab to provide 360-degree exposure to students. Libraries and software have been modified so that they can be optimized on Intel, and can be seamlessly used by the students. The course introduced at Manav Rachna offers hands-on learning in the field of AI, IoT and HPC along with other important subjects related to Electronics and Communication Engineering. We aim that students are able to replicate post theoretical concepts into a solution. Furthermore, during this lockdown, students can install this software in their laptops and can use with appropriate guidance and support from their teachers", Mr. Ritesh Kulkarni, Strategic Business Development Manager, Intel Corporation.

Ms. Anita Khosla, *HoD, Department of Electronics and Communication Engineering, Faculty of Engineering & Technology,* MRIIRS *shares, "Students will get certified on the successful completion of the course which caters to the need of Industry 4.0, theory and lab Courses related to Artificial Intelligence, Machine Learning, Internet of Things and detailed coverage of Electronics hardware that is driving these technologies".*

Students will be given 360-degree exposure to various Intel Hardware and Software platforms that are used in Industry for AI and IoT development. Opportunity to learn from Intel experts and curriculum designing in consultation with Intel Experts will provide an opportunity to the students to acquire the latest skills in these cutting-edge technologies. Students Training Program and Teachers Training Program will also be an important part of this collaboration.

Intel® Intelligent Systems Lab for advanced exposure in the field of AI & IoT

ELIGIBILITY CRITERIA:

Student must be pass in 10+2 examination with at least 50% marks in aggregate in 5 subjects and eligibility shall be determined on the basis of percentage of aggregate marks in

i. English, Physics & Mathematics and

ii. One subject out of Chemistry, Computer Science, Biology or Biotechnology

iii. One subject with the highest score out of the remaining subjects

ENTRANCE EXAMS:
JEE Mains 2020 / SAT / Uni Gauge E 2020

COURSE STRUCTURE/DURATION:
4 Years

COURSE FEES STRUCTURE:
INR 2,21,500 per annum

AVERAGE SALARY PACKAGE FOR ENTRY LEVEL POSITIONS:
INR 3 LPA to INR 3.5 LPA

CAREER OPPORTUNITY:

This course opens up job opportunities for students in various Electronics and IT Industry, and various sectors like Healthcare, Core Electronics, Driverless cars and various other areas where AI and IoT play an important role.

Prospects For Computer Science and Engineering With Specialisation In AI and Data Science

All of us knowingly or unknowingly generate quintillion bytes of data everyday through the use of search engines, mails, chat messengers & video calls, online transactions, ever-increasing number of electronic devices, social media, RFID's & IOT, geotags, downloads etc. AI and Data Science can be used to analyse this huge amount of data and generate insights from it that can be exploited for productivity.

Artificial Intelligence will have far reaching effects on the nature of jobs as well their existence and the application areas of AI includes Natural Language Processing (Voice Assistant based Home Automation), Automobile (Autonomous Driving Vehicles), AI Powered Manufacturing, Electrical Engineering (Optimisation of Battery Power), Video Gaming, Surgical technicians working with robotic tools, Military and aviation electricians working with flight simulators, drones, and armaments, Robotics & Neural prosthetics, to design equipment's with embedded systems which can act friendly with human brain.

Data science will generate a lot of jobs in coming years through analytical applications of data from interdisciplinary fields includes the data from various different domains, for example Business, Clinical and Medical Science as well as an area such as Biology, which gives rise to application areas like Computational Biology, Bioinformatics, Biomedical Engineering etc. to gain better insights, develop newer products & services.

AI and Data Science will disrupt both economic activity as well as workforce, not only in heavy manufacturing industries, financial companies but will as seriously impact and transform professional occupations such as lawyers, Architects, Artists, Salesman etc., in a big way. The intervention of AI has increased by multi-fold, in each and every sector, right from e-commerce to healthcare to education. AI and Data Science may lead to a gross increase of 58 million jobs worldwide as forecasted by The World Economic Forum.

Artificial intelligence and Data Science ensure to dole out some of the highly substantial and disruptive innovations of this century like Smart Cities, Smart Homes, Self-Driving Cars, Robotic Assistants, Automated Disease Diagnosis Systems etc. The AI revolution will restructure how we live and work. The capability of AI and Data Science to improve our life-worth and productivity is limitless.

A report by the Institute for the Future (IFTF) and a panel of 20 experts from technology, business and academia from around the world and estimated by Dell Technologies, published in the Huffington post on June,15th 2017 says that things are about to get a lot faster and so fast, in fact that 85% of jobs that will exist in 2030 have not been invented yet.

The current lot of technical and profession education students are entering the workforce in amidst a digital revolution and those interested in being part of this digital revolution as well as preparing for a bright career in cutting-edge technologies must go for a degree in Computer Science and Engineering with Specialisation in AI and Data Science.

Dr. Munish Sabharwal
Dean- School of Computing Science and Engineering
Galgotias University
Greater Noida (UP) INDIA

ELIGIBILITY CRITERIA:
Passed 10+2 with PCM form a recognised Board with minimum 50% marks

ENTRANCE EXAMS:
JEE Mains / JEE Advanced, State University Entrance Exams (E.g. UPSEE), Entrance Tests of Private Universities

COURSE STRUCTURE/DURATION:
4 Years

COURSE FEES STRUCTURE:
INR 1.5 lac per years and above

AVERAGE SALARY PACKAGE FOR ENTRY LEVEL POSITIONS:
INR 5 LPA to INR 30 LPA

CAREER OPPORTUNITY:
The career opportunities in AI are Research scientists and engineering consultants, Computer scientists and computer engineers, Software analysts and developers, Programmers etc.

The career opportunities in Data Science include Data Scientist, Data Analyst for Predictive & Prescriptive Modelling & Analysis for Businesses, Data Mining Specialists, Big Data Analyst, Algorithm Specialists for Machine Learning & Deep Learning.

Future of Electronics & Communication Engineering (ECE)

The modern world has electronics as the backbone of all gadgets and technologies, thanks to mankind's aspiration for Automation and wanting to control everything remotely. It's impossible to imagine life without electronics. Communication and Superfast communication at that is the call of the day. Being in the Electronics and Communication field for more than forty years I've seen the exponential and mind-boggling growth in this field. Just to touch on the scope of Electronics and Communication, it is the integral part of devices ranging from the simple touch lamp in our houses to the mobile phones which have unconsciously become an extension of the human body further upto the Robots being used in various fields, be it mundane services to performing complicated surgeries and further upto the Satellites. The list is non ending and here I can bring out that so is the scope of employability of ECE engineers. The major sub- disciplines of ECE are Instrumentation, Control systems, Signal processing and Telecommunication Engineering. Engineers from the ECE branch, with a sound knowledge of Electronics and Communication are sought after by almost all big industry houses. Some of the key job opportunities for ECE Engineers are in the field of Healthcare, Security, Networking, VLSI, design and development of home appliances, lighting solutions etc. In addition, ECE experts have a very key role to play in Research and Development of future innovations.

With stimulated growth in requirement of Automation & Robotics along with the emergence of new technologies such as Machine learning and Internet of Things, ECE engineers are in huge demand. An added advantage with ECE graduates is that their knowledge is not confined to implementation of electronic components only and can always flex their muscles in the fields of Satellite, Radar, Microwave, Mobile Communication, Computer Networking etc. Besides, it is a branch of engineering where the expert can opt to remain in software, hardware or a combination of both during the professional career.

Since most employers search for fresh minds with good hands-on skills, ECE graduates are often the ones who get their first offer relatively easily. More significantly, for post-graduation, the candidates can find global opportunities due to the large scope of the branch of engineering. ECE engineers have scope of employment in both private and public sectors. In fact, there are various public sectors in India that offer key technical positions particularly for ECE engineering graduates.

With 5G making its entry into the market and holographic and virtual mobile communication not a very far off application into the world of communication, ECE is the branch for all tech savvy future engineers with no limits to innovations and employability. This trend will continue till human imagination exists.

— Dr. P. K. Chopra, AKGEC, Ghaziabad

ELIGIBILITY CRITERIA:
Passed 10+2 with PCM/PCB from a recognized Board with minimum 50% marks

ENTRANCE EXAMS:
JEE Mains / JEE Advanced (National level) and UPSEE, BITSAT, SRMJEEE, VITEEE (University Level)

COURSE STRUCTURE/DURATION:
4 Years

COURSE FEES STRUCTURE:
5000 per year (Govt.) to 1.5 Lacs (Private) colleges

AVERAGE SALARY PACKAGE FOR ENTRY LEVEL POSITIONS:
INR 4 to 20 Lacs per Annum starting salary

CAREER OPPORTUNITY:
An electronics and Communication Engineers are eligible to work with Multinational Companies and Government Organization. The scope of ECE engineers are high in Software or Telecom Industry, Healthcare Equipment Manufacturing, Mobile Network Connection, Aviation, Corporate Business, Entrepreneurship, Government Sector- Ministry of Communication- Information Technology- DRDO, ISRO, Steel, Coal, Petroleum and Chemical.

Shape your Career in the Internet of Things (IoT)

The Internet of things (IoT) is the coming era of the communication. Using IoT technology, objects can be empowered to generate, process, and transmit data effortlessly with greater accuracy. IoT is going to change the way we live & work in near future. IoT applications focus on automating various tasks and empowering the physical objects(may be sensors, transmitters etc.) to act& process the data without any human intervention. Contemporary IoT applications are increasing the level of efficiency, comfort and automation for the users. We all are nowadays familiar with the words like smart cities, smart agriculture, smart homes, smart cars, and industry 4.0 etc. Analytics have become faster, cheaper, and accurate with the recent advancements in sensors technology, data storage, computing power, faster networking and availability of affordable computing devices. Thus when IoT is clubbed with Artificial intelligence and machine learning,IoT devices are going to have a significant impact on many aspects of our lives in near future, that would includemany things ranging from how we live, interact, drive, to various other aspects of our engagementsin every area like farming, healthcare, utility sectors etc. Apart from these, just look around the global issues listed by UN to overcome by 2030 which includes Global Health issues, Habitat and Biodiversity conservation, Ocean conservation, Water Scarcity. In all these listed domains, IoT can get a breakthrough if the problem is approached in a right manner.Now a days every single kid or teenager wants to have wearable devices to control and operate the devices of their use. A driverless car is not far ahead to come to an existence.Industrial Internet of Things (IIoT) is also becoming a buzzword today. That itself indicate the power and importance of IOT in our day to day life, & nature of the job market.

An exciting wave of IOT applications are to emerge and brought to our lives through intuitive human to machine interactivity. The future of IOT has a potential to be limitless. It appears to be an instrument of social change somewhere between cultural evolution and cultural revolution.

-Prof. (Dr.) VikasSaxena, Head (CSE & IT), JIIT, Noida

ELIGIBILITY CRITERIA:
Student must be pass in 10+2 examination with at least 50% marks in aggregate in 5 subjects and eligibility shall be determined on the basis of percentage of aggregate marks in

i. English, Physics & Mathematics and

ii. One subject out of Chemistry, Computer Science, Biology or Biotechnology

iii. One subject with the highest score out of the remaining subjects

ENTRANCE EXAMS:
JEE Mains 2020 / SAT / Uni Gauge E 2020

COURSE STRUCTURE/DURATION:
4 Years

COURSE FEES STRUCTURE:
INR 2,21,500 per annum

AVERAGE SALARY PACKAGE FOR ENTRY LEVEL POSITIONS:
INR 3 LPA to INR 3.5 LPA

CAREER OPPORTUNITY:
This course opens up job opportunities for students in various Electronics and IT Industry, and various sectors like Healthcare, Core Electronics, Driverless cars and various other areas where AI and IoT play an important role.

Future of Electrical & Electronics Engineering (EEE)

Imagine your life without electricity and electrical appliances like television, refrigerator, microwave, etc. Electricity and electronic appliances have become one of our basic needs in day-to-day life. With our increasing dependency on electrical and electronics products, the scope of electrical and electronics engineering has also grown in enormous as compared to previous decades. However, most of the engineering UG and PG courses club these technologies together since both the technologies complement each other. B.Tech. in Electrical and Electronics Engineering and M.Tech. in Power Electronics and Drives are the major courses offered at our engineering institute. Electrical and Electronics are two related forms of engineering.

If we talk about job quotient in the different sectors of electrical engineering, it is ever-increasing to meet the different needs of the consumers in India as well as abroad. Its scope in renewable sector, transportation, banking, other private and public sectors and even educational premises, electrical engineering has a vital role to play in every environment. Electrical engineering is the core study of the applications of electricity.

The pioneer discoveries in electrical engineering are induction motors by Nicola Tesla, electric light bulb by Thomas Alva Edison, and radio by G. Marconi etc. These innovators transformed the scenario by implementing the concept of electrical engineering into domestic and industrialist devices.

The specialized categories of EEE encompass power generation, transmission distribution and other control systems (microcontrollers, microprocessors, and programmable logic devices).

The mechanism of almost all modern appliances is designed with the combination of electrical and electronic circuitry. Hence, studying both the forms of engineering altogether has become mandatory for aspiring students to learn the circuit programming of the appliances wholly. The electric circuits in an appliance help it operate while the electronic circuits interpret the signals or instruction transmitted by the users and let the machine perform accordingly.

'Vision 2022 for Indian Electrical Equipment Industry'- an initiative by the Ministry of Heavy Industries and Public Enterprises has amplified the scope of electrical and electronics engineering in India.

It proves the dominance of electrical and electronics engineering not only in present, but in future as well. The scope of electrical and electronics engineers will remain unaffected by the factors like technical advancements, recession, etc. Hence, the students looking to pursue engineering courses after 12th standard can go for electrical and electronics engineering, as it is one of the burgeoning stream of engineering in the coming future. Tap into your future by applying for B.Tech. in Electrical and Electronics Engineering.

Dr. Manoj Kapil,
Dean & Principal
SITE, SVSU, Meerut.

ELIGIBILITY CRITERIA:
The candidate must have passed class 10+2 exam from a recognized board with Physics, Mathematics as core subject & Chemistry/Computer as additional subject with minimum 45% marks.

ENTRANCE EXAMS:
Computer science, EC, EEE, ME, CE, SOA ENTRANCE EXAM
JEE Mains / JEE Advanced (National level)

COURSE STRUCTURE/DURATION:
4 Years

COURSE FEES STRUCTURE:
Approx 75,000/- to 1 Lakh per year in private colleges

AVERAGE SALARY PACKAGE FOR ENTRY LEVEL POSITIONS:
INR 5 to 10 Lakhs per annum starting salary

CAREER OPPORTUNITY:
Equal numbers of jobs opportunities are available for Electrical & Electronic Engineering both in government as well as in the private sector. In various fields: Delhi Development Authority, Metro Rail, BHEL, Indian Oil Corporation, Public Works Department, Central Public Works Department, Military Engineering Services etc.

Mechanical Engineering and its Allied Branches - ME

One of the oldest and broadest fields of engineering, Mechanical engineering deals with the design, construction, and use of machines. The program endows students with the basic understanding and knowledge of how heavy tools and machinery work. A student pursuing a mechanical engineering program will acquire knowledge about designing of automobiles, electric motors, aircraft and other heavy vehicles.

Mechanical engineers design everything from new batteries, athletic equipment to medical devices and from personal computers, air conditioners, automobile engines to electric power plants. These engineers also design machines that produce these innovations.

The scope of mechanical engineering in India and abroad is huge for every aspect of our lives are touched by mechanical engineering in one way or the other. Spanning multiple industries, the career opportunities for students pursuing the program is huge.

Mechanical Engineers can suitably be employed in the following sectors:

Manufacturing industries, Maintenance work, Automobile manufacturing and maintenance industries, Refrigeration industries / Air conditioning industries

Scope of Different Fields of Mechanical Engineering

Aerospace Engineering, Automobile Engineering
Mechanical Engineering, Mechatronics Engineering

The Department of Mechanical Engineering should combine innovative teaching and pioneering research in a highly collaborative environment that transcends traditional academic boundaries. To provide higher degree of perspective in the concepts of subject content, Computers and Audio- Visual equipment are extensively used. Students are especially trained to meet the current industrial requirements. The Department of Mechanical Engineering offers outstanding research opportunities, with a strong culture of collaboration that enables our students and faculty to tackle the world's most important and difficult technical challenges.

To bridge the gap between Industry and University curriculum should be so designed so as to include Foundry Technology. Collaboration with Government agencies such as MSME etc will add credibility as these organisation lend their infra structure in the field of Manufacturing and Automation. This joint approach in the field of education will help students to utilize and grasp the available opportunities. As a preliminary step, the University should establish Centre of Excellence for Automation and Robotics and Centre of Excellence through which several courses can be conducted at regular intervals to enrich the knowledge of students.

JOB OPPORTUNITIES

The scope of the course is very wide, the career opportunities of the course indeed is not limited. The Industries which visit campuses for recruiting students are from the following sectors:

Manufacturing Industries, Automobile Industries, Chemical Industries, Pharmaceutical Industries, Textile Industries, Leather Industries, Power Plants, Steel Industries, Biomedical Industries, Sugar Plants, Cement Industries, Tiles Industries and Pulp and Paper Industries.

It can safely be concluded that Mechanical engineering is one stream which is ever green as the demand is always there in the industry. Students who take up Mechanical Engineering have a very bright future indeed. Any University conducting Mechanical engineering course should ensure that the curriculum is updated every year to include the latest trends so that the teaching remains contemporary.

ELIGIBILITY CRITERIA:
Passed 10+2 examination with Physics and Mathematics (as compulsory subjects) along with one of the following subjects: Chemistry/ Biotechnology / Biology / Technical Subject/ Computer Science/ Information Technology/ Informatics Practices/ Agriculture/ Engineering Graphics/ Business Studies Obtained at least 45% marks in the above subjects taken together

ENTRANCE EXAMS:
JEE Mains/ JEE Advanced (National level) and UPSEE, & SEEE (University level)

COURSE STRUCTURE/DURATION:
4 years -8 Semesters

COURSE FEES STRUCTURE:
1,15,000/- per year
59,500/- per semester

AVERAGE SALARY PACKAGE FOR ENTRY LEVEL POSITIONS:
2 Lakhs to 6.50 Lakhs

CAREER OPPORTUNITY:
Mechanical engineering students are prepared to enter a growing field that offers many lucrative career opportunities in many fields, including automotive research, heating and cooling systems design, electric generator inspection, and robotics development.

BOSCH India, Coal India Limited, ONGC, Bharat Electronics Limited, Hindustan Petroleum Corporation Limited, Tata Group, Honda Group, Larsen & Toubro (L&T)

Future of Civil Engineering (CE)

Civil engineering is one of the primeval branches of engineering. Ancient structures like Egyptian pyramids and Roman road systems are example of civil engineering marvels. There is an enormous scope for civil engineers in developing countries as compared to developed countries. Currently, most of the countries are in developing phase. We can rarely see any type of construction taking place in developed countries because their basic infrastructure already completed while on the other hand if we consider developing countries, their basic infrastructure like road, railways, health care facilities, canal system for irrigation, harbor and ports etc. are still in its developing phase. It is a well known fact that core development of a country always starts from its infrastructure. India is also a developing nation and we can easily see that lots of civil engineering projects like metro construction work, Expressway construction, waterways, power plants, tunnels etc. works are going on in different states of India. Indian government has taken initiatives of smart cities, just think what is it? What comes under smart cities? How a city becomes smart? You will know that it needs to have better planning and transportation which is the work of a town planner and a transportation engineer, who are initially civil engineers. It should have stronger and safer structures which need a structural engineer. Civil engineers will continue to play a key part in all of this work.

Civil Engineering is not confined to infrastructure development only. It includes vast area of research in Ecology & Environment, Transportation, Development of Hydro-Electric Power, Design and Installation of Water Supply System, Water Management and Treatment, Natural Resource & Waste Management, Hydrological Studies, Storm Water Management, Rain Water Harvesting, Climate Change Studies and many multipurpose projects like Reservoir Operation & Dam Construction.

As worldwide population is growing day by day, new systems of water treatment, transportation system, railways needs to be developed. In the field of transportation, new ideas such as Hyper loop can change the future of how people travel. Now a day's researchers are planning to incorporate artificial intelligence in the field of construction work. Artificial intelligence can help make many of the crucial decisions traditionally delegated to engineers on a construction site. Day by day, fresh water requirement as well as electricity requirement is increasing, due to which large numbers of dams were proposed which will be completed in near future.

Civil engineering is everywhere, the place you live, the place you drive, the bridges you see, canals, dams etc, they all are the works of a civil engineer. Civil Engineers jobs requirement remains till human civilization exist. By choosing this branch students will have bright future in multifaceted streams of Civil Engineering.

Dr. Manoj Kapil,
Dean & Principal
SITE, SVSU, Meerut.

ELIGIBILITY CRITERIA:
The candidate must have passed class 10+2 exam from a recognized board with Physics, Mathematics as core subject & Chemistry/Computer as additional subject with minimum 45% marks.

ENTRANCE EXAMS:
JEE Mains / JEE Advanced (National level)

COURSE STRUCTURE/DURATION:
4 Years

COURSE FEES STRUCTURE:
Approx 75,000/- to 1 Lakh per year in private colleges

AVERAGE SALARY PACKAGE FOR ENTRY LEVEL POSITIONS:
INR 5 to 10 Lakhs per annum starting salary

CAREER OPPORTUNITY:
Equal numbers of jobs opportunities are available for Civil engineers both in government as well as in the private sector. Various government sectors are available to offer jobs for civil engineers: Municipal Corporations, Jal Boards, Delhi Development Authority, New Delhi Municipal Corporation, Metro Rail, National Highway Authority of India, Indian Oil Corporation, Public Works Department, Central Public Works Department, Border Roads Organization, Military Engineering Services etc.

How a B.Tech degree in Aerospace Engineering can propel your career

Aerospace engineering, one of the most exciting branches of engineering, is broadly concerned with the design, construction and maintenance of aircraft, spacecraft, missiles and weapons systems. It is largely about designing, testing, manufacturing, and development of launch vehicles and rocket propulsion systems such as aircraft, spacecraft, satellites, jets, helicopters, and missiles.

With a degree in aerospace engineering students can consider a career in diverse sectors such as in air force, aeronautical laboratories, research organisations, airlines, defence ministry, aviation companies, flying clubs, aircraft manufacturers or even with National Aeronautics and Space Administration (NASA). Aerospace engineers usually have the choice of a range of jobs, both in the government as well as the private sector.

Given below are some of the career opportunities that students can consider after pursuing a B.Tech in aerospace engineering.

• Aerospace engineers: Aerospace engineers design, test and manage the manufacturing of spacecraft, satellites, missiles, and aircraft. Their job is to ensure that the prototype functions optimally and incorporate state-of-the-art technologies in their designs for aviation and defence systems.

• Military aerospace engineers: They are required to steer research programmes and design military aircraft and aerospace equipment and serve as aviation technical specialists in air warfare research projects. Military aerospace engineer supervise aircraft projects, right from designing and manufacturing to the evaluation of experimental equipment.

• Aerospace inspectors/Compliance officers: They are equipped to examine and evaluate the work and safety guidelines for aerospace bodies. They test the specifications of the machinery through blueprints and models and inspect the equipment for quality and function. They recommend potential changes and write reports on their findings.

• Thermal design engineers: They create, maintain and repair mechanical systems that involve the conversion of various forms of energy into heat inside the aerospace launch vehicles. Their task is to analyse how mechanical heat sources interact with a plethora of physical and industrial systems in a safe environment.

• Payload or mission specialists: They are trained in handling and operating highly classified and complex equipment to be carried on board to conduct experiments into the space. They guide the shuttle operator on the processes to be followed during an experiment while supervising the operations.

• Data processing managers: They are people with strong managerial skills and are required to supervise teams comprising engineers, technicians, computer specialists, scientists, and other supporting experts. They identify scientific and technical goals with a wider perspective to make a headway in basic scientific research.

• Aerospace technicians: They are engaged in operating and maintaining the equipment used in developing, testing, producing and sustaining aircraft and spacecraft. Their work is critical when it comes to preventing the failure of key parts of any launch vehicles ready to fly into space.

An in-demand branch of engineering, B.Tech Aerospace Engineering is designed to impart critical thinking and robust analytical skills for designing and testing aircrafts, missiles and spacecrafts.

This course explores the concepts and principles of physics in aerodynamics and flight dynamics which help engineers to design streamline aircraft that operate smoothly and safely.

Along with theoretical courses, the graduation degree offers laboratory coursework for practical learning and also offers specialization in technical subjects like dynamics and control or propulsion.

Dr. Kamal Bansal, Dean, UPES School of Engineering

ELIGIBILITY CRITERIA:
UG Program - Minimum 50% marks in Classes X and XII. Minimum 50% in PCM (Physics, Chemistry and Mathematics) in Class XII.

ENTRANCE EXAMS:
Admission based on Class 12th/JEE/ SAT Score

COURSE STRUCTURE/DURATION:
UG Program – 4 Years

COURSE FEES STRUCTURE:
INR 20000 (Govt.) to 1.5 Lacs (Private) per year

AVERAGE SALARY PACKAGE FOR ENTRY LEVEL POSITIONS:
INR 5.30 LPA

CAREER OPPORTUNITY:

- Aircraft Design Engineer
- Aircraft Production Engineer
- Aerospace Modeling & Simulation Engineer
- Aircraft Maintenance Engineer
- Research and Development Associate
- Control Application Engineer
- Stress Analysis Engineer
- Aerospace Propulsion Engineer

Future of Biotechnology and Bioengineering

Biotechnology is a multidisciplinary area of biology that has wide applications for human welfare. Biotechnology is a very exciting and emerging branch with enormous applications in almost all walks of life and made steady progress in last two decades. The biotech industry has seen an increase in the number of start-ups and entrepreneurial activities in the recent years. The Indian government has envisioned making the biotechnology industry a $100 billion industry by 2025. This vision can only be achieved through long-term strategic planning and extension of promotional, entrepreneurial activities and meeting out the manpower required in this newer multidisciplinary area of development.

The COVID-19 pandemic has dramatically affected the health, economy, and social mobility of people in countries around the world, that gave clear indications in future, development of biotechnology and life sciences must be undertaken seriously. Therefore, Biotechnology research is an essential to advance the development of key interventions to fight off this kind of pandemic, including vaccine development and drug discovery in future. This new and unusual environment could serve as a tremendous opportunity for highly motivated researchers in developing vaccines, monoclonal antibodies, and screening antiviral compounds, such as secondary metabolites and peptides; thereby, actively participating in finding solutions to ongoing real-time global human and economic crises.

There are various degree programs including B.Tech., M.Tech., B.Sc.(Honors), M.Sc., Integrated programs and Ph.D in cutting edge areas of Biotechnology, Microbiology, Biomedical Engineering and Agricultural Informatics. The different areas of research and development includes Cancer Biology, Plant tissue culture, Genetic Engineering, Microbiology, Environmental Biotechnology and other areas that is very important for providing proper guidance to students involved in Biological research in different thrust areas.

The students may seek opportunities in multidisciplinary area of research and industries like Agricultural and Animal Biotechnology, Bioinformatics, Bio-fertilizers, Dairy, Plant Biology, Marine Biotechnology, Bioprocess, Bio-Chemical, Microbiology, Biophysics, Genetic research, Waste Management, Drug and pharmaceutical research, Biomedical Engineering etc.

ELIGIBILITY CRITERIA:
For UG courses: 10+2 with PCB/ PCM or equivalent from recognized Board with 55-60% marks.
For PG courses: Graduate in Science/ Engineering as appropriate/ MBBS/ BDS etc.

ENTRANCE EXAMS:
JEE Main/ Advanced, UPSEE, JNU CEEB; ICAR AIEEA; All India Biotechnology Entrance Examination

COURSE STRUCTURE/DURATION:
2-5 Years

COURSE FEES STRUCTURE:
INR 20000 (Govt.) to 1.5 Lacs (Private) per year

AVERAGE SALARY PACKAGE FOR ENTRY LEVEL POSITIONS:
INR 3 LPA to INR 9 LPA

CAREER OPPORTUNITY:
The course opens up career prospects in area of Agriculture, Animal, Dairy, Food, Healthcare, Diagnostics, Drug design and development, Pharmaceuticals, Marine, Environment Research and Industries etc.

School of Agriculture Engineering (SOA)

The School of Agriculture at Sanskriti University has a good name among agriculture colleges in India. The ideology of this school is highly job oriented and the curriculum is designed to foster the spirit of entrepreneurship and research. The faculty members are Ph.D. holders in the field of Agriculture Science with sufficient experience in teaching and practical application. Practical experiments are conducted in laboratories set up for different subjects. State-of-the-art equipment has been installed in different labs for conducting experiments and thereby practically proving the veracity of theoretical concepts. Qualified technicians help in operation of lab equipment and conducting the tests according to the manuals that clearly illustrate the steps to be taken in sequence for conducting experiments.

Being dominant race on planet, it is our responsibility to ensure maximum harmony between each and every components of nature. Other than providing value-based education and shaping the character of the younger generation through a synthesis of science and spirituality, School of Agricultural Sciences is set up to evolve high quality, sustainable and organic agriculture practices with global applicability through research and education

"The "Fifth Dean Committee Report" of the Indian Council of Agriculture Research prioritized industry participation through the introduction of "Agro-Industrial Attachment Program" in the curriculum to enhance entrepreneurial skills of students and to align agricultural research and education with industrial demand and to ensure wider applicability of the research findings. Corporate and Industry Relations Centre of the School of Agriculture at Sanskriti University has always been in the forefront with dedicated efforts to support students with industry-linked research projects and to ensure their placement with the industry. Agriculture being the backbone of the country, School of Agriculture at Sanskriti University is quite keen to train its graduates under a high-quality industrial environment to enhance their skills and to develop them as potential leaders capable of making interventions and innovations in the agroindustry sector."

"Profitability and long-term economic viability are important aspects to be accounted while setting up agroindustry units and framing crop production practices at micro level to benefit small holder farmers. We will extend our expertise on economics, business management and entrepreneurship development to our new agriculture students to build them as next generation researchers/managers capable to lead agri-business ventures both nationally and internationally."

Our Mission

To provide value - based education and mould the character of younger generation through a system of wholesome learning so that their earnest endeavor to achieve progress and prosperity in life is matched by an ardent desire to extend selfless service to the society, one complementing the other.

ELIGIBILITY CRITERIA:
10+2 with PCM, PCB or Agriculture with minimum 50% marks in aggregate.

ENTRANCE EXAMS:
JEE Mains/ JEE Advanced (National level) and UPSEE, & SEEE (University level)

COURSE STRUCTURE/DURATION:
4 years -8 Semesters

COURSE FEES STRUCTURE:
Annual Fee: 67000/-
Semester Fee: 35,500/-

AVERAGE SALARY PACKAGE FOR ENTRY LEVEL POSITIONS:
2 Lakhs to 6.50 Lakhs

CAREER OPPORTUNITY:
An agriculture engineers has many options to choose in the government and private sector AMUL Dairy, Nestle India, Mother Dairy, ITC Farming Industry Consultants Agricultural Commodities Processors Scientist at various Govt. research organization- Pusa Institute , NABARD

Scope and prospects for petroleum engineers in India

Petroleum engineering is primarily concerned with the activities that involve the collection of crude oil and its eventual processing to auto-fuels such as gasoline and petrol. There are promising career prospects for petroleum engineers in India due to its dependence on fossil fuels for energy generation.

The Indian oil and gas industry holds out the promise of lucrative jobs to engineering graduates. Hence a B.Tech in petroleum engineering from a reputed university can be a rewarding career for students.

Essentially, petroleum engineering courses deal with a range of disciplines such as solid mechanics, basics of electrical and mechanical engineering, material science and electronics. Additionally, they may also include subjects related to petroleum production such as geophysics, reservoir engineering, drilling, thermodynamics and petroleum operations.

Here are some interesting career options available to petroleum engineering graduates.

• Drilling engineers: They oversee planning and supervise operations for drilling crude oil from oil and gas wells. Drilling engineers are involved in every step of the process from initial design of the drilling plant to the abandonment of the plant after the reservoir dries off. These professionals work with the upper management to coordinate the safety measures for the workers in the plant.

• Mining engineers: They are expected to have a thorough understanding of material science, along with the engineering expertise, to develop impact-resistant mining technology. Mining engineers need to make mining activities are safe and secure for the workers. They assess the feasibility of a new mining site, supervise mining operations and ensure proper closure and rehabilitation.

• Mud loggers: They are an integral part of any oil and gas drilling operation. Mud loggers collect samples of mud logs to monitor the geological record of the drilling site. Based on their analysis, they adapt or tweak the pit levels, speed of drill rotation and rate of penetration to optimise the mining process. Mud loggers usually work in laboratories with a wide range of tools such as binocular microscopes and ultraviolet fluorescence.

• Energy engineers: They are mostly involved in the production operations for non-renewable fuel such as oil and gas or coal. These days, the services of energy engineers are also sought to produce renewable energy sources such as biofuel. Energy engineers design and test new machinery and create novel ways of boosting the extraction processes.

Apart from the above, graduates can also seek employment in the oil and gas industry as geochemists, geoscientists, reservoir engineers or production engineers.

Petroleum engineers are expected to be detail-orientated, with impressive organisational skills, and the ability to work in a structured environment. Writing business reports and drafting construction proposals are also an inevitable part of this profession. Potential employers may include oil companies, extraction equipment manufacturers, and fuel consultancies for both the industry and the government sectors. So, if you feel you have all the skillsets mentioned above, you are well suited to be a petroleum engineer.

Dr. Kamal Bansal, Dean, UPES School of Engineering

ELIGIBILITY CRITERIA:
UG Program - Minimum 50% marks in Classes X and XII. Minimum 50% in PCM (Physics, Chemistry and Mathematics) in Class XII.

ENTRANCE EXAMS:
Admission based on Class 12th/JEE/ SAT Score

COURSE STRUCTURE/DURATION:
UG Program – 4 Years

COURSE FEES STRUCTURE:
INR 20000 (Govt.) to 1.5 Lacs (Private) per year

AVERAGE SALARY PACKAGE FOR ENTRY LEVEL POSITIONS:
INR 5.30 LPA

CAREER OPPORTUNITY:
• Exploration Engineer
• Seismic Data Acquisition Engineer
• Reservoir Engineer
• Processing Platform Engineer
• Field Development
• Rig Engineer
• MWD Engineer (Measurement While Drilling)
• Production Engineer
• Reservoir Engineer
• Drilling Engineer
• Well Logging Engineer
• Well Testing Analyst
• Mud Logging Engineer

15

EMINENT INSTITUTIONS

A LOOK AT THE INSTITUTES THAT ARE MAKING A DIFFERENCE

15 EMINENT INSTITUTIONS

GALGOTIAS UNIVERSITY

RAISING THE BAR OF INDIAN HIGHER EDUCATION

21
YEARS LEGACY

100+
PLACEMENT ASSISTANCE

20,000
BRILLIANT STUDENTS

52
ACRE CAMPUS

250+
AWARDS

200+
RECRUITERS

THE LEGACY:

Galgotias University was established for the sole purpose of providing the highest standards in Indian higher education at par with leading Indian and International universities. Extending the 25+ years of core educational experience the Galgotias university was established keeping the quality of education at its core to the students in India and Globally. ACCREDITATION: Benchmark in Ensuring Quality of learning.

The goodwill, stature and eminence of any university is based on several factors such as updated Curriculum, top quality and renowned faculty, research excellence, multidisciplinary approach where students are given variety of choices, specialization expertise and employability of students among other important parameters.

Galgotias university being the among the fastest universities to get an NBA Accreditation in Computer Science, Mechanical Engineering and electrical and electronics engineering shows proves that all the parameters are being met to ensure strong academic delivery and knowledge along with practical and skill enhancing courses thereby keeping students far ahead in learning and application of the knowledge gained during their offline and online classes.

INDUSTRY READY PROGRAMMES AND COURSES

Galgotias University has more than 35+ Undergraduate , 20+ Post graduate and PhD programs along with center of excellence by top Industry leaders. The Galgotias University research and development center has collaborative projects and participation of students in engaging research projects and also provides students with new ways of teaching in an interactive manner.

PLACEMENTS : A STELLAR RECORD OF LAST 7 YEARS

Galgotias University's bold vision builds upon over a decade of excellence of Galgotias Institutions in engineering and business education. With a 96% placement record for the last seven years with multiple job offers supported by multinational firms like Accenture, Hewitt, IBM, Infosys, Nokia, and Samsung, Galgotias Institutions have earned the respect of top performers in the industry.

Their unwavering commitment to quality in all aspects of education including infrastructure, academics and administration have won them respect from the corporate world as well. With a focus on research that drives innovation, they are emerging as the leading center for knowledge generation and dissemination. It is their endeavor to continuously explore new opportunities by innovating to create new epicenters of growth.

Dedicated to excellence in teaching, innovation and research, Galgotias University has been ranked one among the top institutions in Engineering, Management and Law. It is a well-reputed institution, which offers a range of study programmes such as MBA, Engineering, MA, BTech, BBA and various others.

RESEARCH AND INNOVATION: Papers, Publication and Patients : The 3 P's at Galgotias.

Galgotias has a research centric environment and the faculty at the university are not only some of the best teachers in the country but also brilliant researchers and are constantly publishing papers in high quality national and international journals with high impact factor and are also filing patients for their research work and innovations across departments. The students are also involved right from first year in the research work and most of the students are able to publish their own papers in the 4th year itself. This is an indication of the progressive research culture in the university.

RANKINGS : ALWAYS AMONGST THE TOP RANKED AND MOST PREFFERED BY STUDENTS.

The persevering goal of creating a university which adopts the highest standards in Teaching learning, Innovation and research, Training and placements and Keeping students ahead using the latest technological tools consistently has been the key reasons students have made Galgotias amongst the most preferred private self-financed university in India.

The standards that have been set by Galgotias and the advancements in adapting to new technologies in providing and dissemination of knowledge at Galgotias is now being emulated by several other universities across states. Galgotias has a huge advantage of being ranked amongst the top institutions in the country by several government agencies and National and international media such as NIRF, QS , India Today, Times etc which reflects the constant pursuit of attaining excellence. One of the biggest strengths of Galgotias University is its brilliant and outstanding students who are achieving excellence and proving their supremacy in various industries and workplaces.

Galgotias University has also been attracting some of the finest faculty from across the world who are not only excellent teachers but also some of the finest researchers and their high quality work has made India and the university feel proud with their achievements. With fast changing and adaptable thought process to new emerging technologies Galgotias continues to race ahead to being one of the top universities in India.

RANKINGS & ACCREDITATIONS

- **BENCHMARKING QUALITY:** ACCREDITATION BY NBA
- **INTERNATIONAL STANDARDS:** 5 STAR RATING BY QS
- ALWAYS AMONGST THE TOP RANKED AND MOST PREFERRED BY STUDENTS
- **WE ARE READY:** INDUSTRY 4.0 ALIGNED COURSES AND PROGRAMS
- STELLAR PLACEMENT RECORD FOR LAST 7 YEARS
- TOP QUALITY PAPERS, PUBLICATIONS AND PATIENTS BY OUTSTANDING FACULTY.
- **PRACTICAL APPROACH:** REAL LIFE STUDIOS, LABS AND MOOT COURTS
- **HOST TO ONE OF INDIAS LARGEST YOUTH FESTIVAL:**THE GALGOTIAS UNIFEST.
- **TECH READY:** ONLINE CLASSES AND VIRTUAL LABS FOR STUDENTS.
- **ALWAYS TOP RANKED:** NIRF,INDIA TODAY, TIMES , JAGRAN,HT.

admissions@galgotiasuniversity.edu.in www.galgotiasuniversity.edu.in

15 EMINENT INSTITUTIONS

V

Only Private Indian University Ranked 801-900 Category ARWU 2020.

A GRADE BY NAAC, MHRD **MOUs** WITH 300+ UNIVERSITIES WORLD WIDE

VELLORE INSTITUTE OF TECHNOLOGY (VIT)

Vellore Institute of Technology (VIT) was established as Vellore Engineering College in 1984 by Dr. G. Viswanathan, Former Member of Parliament and Former Minister, Government of Tamil Nadu. In 2001, the Government of India conferred the University status on the institution, and the engineering college evolved as a University. Over the years it has emerged as a prominent higher education institution. Currently it is spread across four locations in India–Vellore and Chennai in Tamil Nadu, Amravati in Andhra Pradesh and Bhopal, Madhya Pradesh. Started with an intake of 180 students and 3 branches of engineering, it now has 45000 students from all the states of India and from more than 50 countries. The University offers graduate, postgraduate and research programmes in Engineering, Management, Sciences, Architecture, Agriculture, Law and Social Sciences.

Institution of Eminence

VIT has been recognized as an Institution of Eminence by the Government of India owing to the institution's standards of excellence in academics and research. This is a rare distinction bestowed only on 10 public and 10 private universities from more than 900 Universities in India.

Academics

VIT offers a world-class academic ambience that is highly suited for the present generation of learners. The Fully Flexible Credit System (FFCS) provides students with an opportunity to choose their subjects, teachers and timings, thereby making learning more invigorating. Other significant initiatives such as Project-based learning (PBL), Curriculum for Applied Learning (CAL), Technical Answers to Real-world problems (TARP) enable students to apply their classroom learning to real life situations.

Accreditation

At the National Level, VIT is highly accredited by the National Assessment and Accreditation Council (NAAC). In 2015 and 2009, it was accredited with "A" grade.

Internationalization

Internationalization is VIT's forte. VIT has MoUs with more than 300 Universities across the world for student and faculty exchange, joint research and joint programmes. The Semester Abroad Programme (SAP) provides opportunities for students to do their final semester project in institutions abroad. Visiting Professors from partner universities offer courses at VIT and faculty members from VIT get to teach at institutions abroad under the faculty exchange programme. VIT welcomes international students on fulltime basis or as exchange students.

Placements

A striking feature of VIT is its remarkable placements. Students get to choose a variety of opportunities for internships and job placements in established MNCs and start-ups.

In 2019-20, 713 companies visited VIT and recruited 7,771 students.

RANKINGS AND AWARDS

- QS World Ranking -Top 801-1000 in 2020
- Qs Asia Ranking- Top 281-290 in 2019
- 176th in 2019 (BRICS Ranking)
- VIT is the only private University from India to be ranked in the 801-900 category among world universities in the 2020 Academic Ranking of World Universities (ARWU) by Shanghai Ranking Consultancy.
- Times Higher Education (THE) ranked VIT among Top 301-400 Universities of the world for Computer Science in World Rankings, among Top 251-300 Asia Rankings and Top 251 – 300 Young University Ranking
- Government of India through the NIRF (National Institutional Ranking Frame Work) has ranked VIT No. 15 among Engineering Institutions.

Email: info@vit.ac.in www.vit.ac.in

15 EMINENT INSTITUTIONS

M

23 YEARS **21** ACRE CAMPUS **58+** GLOBAL ACADEMIC COLLABORATIONS

403 PATENTS **4800+** RESEARCH PAPER IN INTERNATIONAL / NATIONAL JOURNALS

MANAV RACHNA EDUCATIONAL INSTITUTIONS

MAKE YOUR TOMORROW UNLIMITED

LAUNCH YOUR FUTURE AT MREI

Manav Rachna Educational Institutions (MREI) founded in 1997, is a visible symbol of knowledge & experience providing high quality education in various fields. The institutions have over 30,000 alumni base and 403 filed/granted patents. Institutions at MREI– be it Manav Rachna University (MRU) or Manav Rachna International Institute of Research & Studies (MRIIRS) – have the coveted NAAC 'A' grade status. MREI has twelve K-12 schools across the country. MRIIRS and MRU are Founder members of the prestigious "College Board's Indian Global Higher Education Alliance".

With acknowledgement from global ranking bodies, Manav Rachna has been flourishing in various domains be it research, academics, sports, placement, culture, and industry association. It offers courses in the following niche areas: Engineering, Management, Psychology, Economics, Commerce, Business Studies, Food Science & Technology, Nutrition & Dietetics, Physiotherapy, Computer Applications, Humanities, Hospitality & Hotel Administration, Architecture, Media, Education, Law , Geology, Physics, Chemistry, Mathematics, Interior Design, Design, Liberal Arts, Social Work, Dental Surgery, Sociology, Political Science, Public Policy & Public Administration, and Medical Lab Technology.

The vibrant campus life and entrepreneurial ecosystem allows students to pursue their interest with continuous mentorship and financial funding from the institution. More than 80 ventures have been setup by Manav Rachna students in close association with Manav Rachna Business Incubator, Manav Rachna NewGen IEDC, and Manav Rachna Innovation and Incubation Centre. Furthermore, Mitsubishi Electric Advanced Lab, imparting automation skills for Industry 4.0 has also been setup at the campus which makes Manav Rachna the first institute in North India with this lab. Recently, First Intel® Intelligent Systems Lab was inaugurated at Manav Rachna campus that aims to accelerate the AI journey by fostering its various essential areas, and provides 360-degree exposure to various Intel Hardware and Software platforms that are used in Industry for AI and IoT development.

Manav Rachna has collaborated with more than 58 global institutions to provide the relevant international exposure to its students. These partnerships come with a range of exclusive benefits for students and faculty members including Joint Research Programmes, Student-Faculty Exchange Programmes, Credit Transfers, Curriculum Development Support, International Scholarships, Student Work Permits, and Lecture Delivery by International Experts.

RANKINGS & ACCREDITATIONS

- NAAC 'A' Grade Accredited
- MRIIRS is NIRF rated across two categories (Engineering Rank 174), University (Rank Band 151-200)
- MRIIRS has been accorded the 12B status from UGC making it eligible for UGC grant for research and development
- MRIIRS has been rated QS 5 Star for Teaching, Employability, Academic Development, Facilities, Social Responsibility & Inclusiveness. The University has also been accorded a QS 4 Star rating for the Program Strength of its Computer Science & Engineering degree courses.
- MRIIRS has been ranked in Band A (rank between 6 & 25) under Private or Self-Financed Universities category in the 'Atal Ranking of Institutions on Innovation Achievements' released by the Ministry of Education, GoI.
- Manav Rachna University is a QS I-Gauge Gold Rated University and QS I-Gauge E-Lead certified for the best online learning practices
- Founder Member of the College Board's Indian Global Higher Education Alliance
- MRU is Founder Member of the LSAC Global Law Alliance
- AICTE approved programs
- Student Startups promoted, incubated and funded under DST sponsored NewGen IEDC Scheme

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15 EMINENT INSTITUTIONS

GALGOTIAS COLLEGE OF ENGINEERING & TECHNOLOGY, GREATER NOIDA

Galgotias Educational Institutions (GEI) comprising of Galgotias Institute of Management & Technology (GIMT) and Galgotias College of Engineering & Technology (GCET) were founded by Smt. Shakuntla Educational and Welfare Society. Mr. Suneel Galgotia, a resolute visionary, committed to provide world class technical and management education is the founder Chairman, apart from being the Chancellor of Galgotias University and Managing Director of Galgotia Publications Pvt. Ltd., New Delhi.

The Galgotias Institute of Management & Technology and Galgotias College of Engineering & Technology are approved by AICTE, Ministry of HRD, Government of India and affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow formerly Uttar Pradesh Technical University. Galgotias College of Engineering & Technology, established in 2000, synergizes theoretical knowledge and practical skills to promote all round professional competence. Galgotias College of Engineering & Technology has acquired a unique status in UP, the NCR region and the country as a whole by breaking new grounds in producing professionals of national and international acclaim and has been recognized as one of the top ranking institutions imparting high quality education.

The Campus, spread over 19 acres is located on an 8-lane expressway connecting Greater Noida with Noida and New Delhi. It is truly a self-sufficient campus with spacious and beautifully academic buildings, separate, fully secure and comfortable hostels for boys and girls, seminar and conference halls as well as indoor and outdoor games facilities and a multi-cuisine cafeteria

COURSES

B TECH, MCA, MBA, B. Pharma. D. Pharma.

- **5000** BRILLIANT STUDENTS
- **20** ACRE CAMPUS
- **20** YEAR LEGACY
- **200** RECRUITERS
- **100** PLACEMENT ASSISTANCE
- **250** AWARDS
- RANK BAND 201-250 ENGINEERING COLLEGES IN INDIA
- Ranked amongst Top 5 Engineering colleges in UP by NIRF 2020
- Ranked No 1 Private colleges in UP by India Today Best Colleges, 2020 Accredited by NBA

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, CHENNAI

Education is all about creating an environment of academic freedom, where bright minds meet, discover and learn. One would experience top of the world living and learning experience at SRM.

SRM Institute of Science and Technology (formerly known as SRM University) - where you have the freedom to take wings.

SRM Institute of Science and Technology is one of the top ranking universities in India with over 52,000 full time students and more than 3200 faculty across all the campuses - Kattankulathur, Ramapuram, Vadapalani Campus – all in and around Chennai, and Modinagar, NCR, Delhi - offering a wide range of undergraduate, postgraduate and doctoral programs in six Faculties – Engineering & Technology, Management, Medicine & Health sciences, Science & Humanities, Law and Agricultural Sciences

Academic Environment

Foreign faculty, flexible and dynamic curriculum, exciting research and global connections are the features that set SRM apart. Students have a wide choice of cutting edge programs including nanotechnology, genetic engineering, remote sensing and GIS, embedded systems or computer forensics to choose from. Most of these courses are offered in close collaboration with foreign universities. Even at UG level specialized engineering programs like Artificial Intelligence, Big Data Analytics, IoT etc. are offered. All the programs offered are approved by UGC and applicable Statutory Councils like AICTE etc.

Diversity of Students

70% of students are from outside Tamil Nadu, with students from USA, Europe, China and other countries.

Semester Abroad Program

Over 200 students sponsored to more than 35 foreign universities like MIT, Carnegie Mellon, UC Davis, Warwick and Western Australia every year. Click here

International Advisory Board

57 members from top universities across the world including MIT, Stanford, UC Berkeley, Cambridge and NUS help set Global Standards. Click here.

Corporate Advisory Board

Over 50 top executives from leading corporate institutions constantly interact with faculty and students to help in formulating academics and research. Click here.

Accreditation

SRM Institute of Science and Technology has been accredited by NAAC with the Highest 'A++' Grade in the year 2018, valid for the next 5 years. SRM IST is placed in Category I with 12 B Status by MHRD-UGC.

Five engineering undergraduate programs of Kattankulathur campus are accredited by different commissions of ABET (www.abet.org) and four other engineering undergraduate programs by IET (UK).

Ranking

SRMIST has been ranked 35 nationally under Universities Category by NIRF (National Institutional Ranking Framework) in 2020. It regularly gets ranked by world ranking agencies like QS (UK) and Times Higher Education (UK).

Rating

SRMIST is globally rated as 'Four Star' University by renowned ranking agency QS and given 'Diamond' Rating by QS-IGAUGE in Indian context.

Infrastructure

Nearly 400 acres replete with a variety of facilities, State-of-the-art labs, libraries, Wi-Fi, knowledge center, 4000 capacity AC auditorium, 100 online smart classrooms, Hostels with premium facilities, endless convenience on campus including ATM's, bookstores, dining options, cafeterias, prayer halls, gym and more.

Placement

600+ companies visit SRMIST every year to place 75-80% of registered students in well-known companies like TCS, Wipro, Cognizant, Infosys, Siemens, L&T, and others.

15 EMINENT INSTITUTIONS

A

22 YEARS **40** ACRE CAMPUS **97%** PLACEMENTS

12000+ STUDENT GRADUATED **5000+** ALUMNI

AJAY KUMAR GARG ENGINEERING COLLEGE

SCALING THE ZENITH OF EXCELLENCE

Driven by its commitment to provide quality technical education, AKGEC has become one of the best Engineering Institutions in U.P.

Ajay Kumar Garg Engineering College (AKGEC), Ghaziabad, Uttar Pradesh is approved by AICTE and affiliated to Dr APJ Abdul Kalam Technical University, Lucknow. The college was established in 1998 and offers B.Tech, M.Tech, MCA and B.Voc program. All five major B.Tech programmes are accredited by NBA.

AKGEC has excellent infrastructure with state-of-the-art laboratories, computing facilities, automated library with e-journals, modern well furnished hostels for 1500 students and faculty residences on its wi-fi enabled 40 acres campus. The college also has highly qualified and experienced faculty lead by its Director General,

Dr R.K. Agarwal, who is an alumnus of IIT Kanpur, CIT, UK and IISc Bangalore with vast teaching, research and administrative experience.

The college has established a number of Centres of Excellence in collaboration with eminent multinational industries. These include Industrial Robotic Training Centre in collaboration with Kuka Robotics, Centre of Competence in Automation Technologies with Bosch Rexroth, LabVIEW Academy with National Instruments, Product Life Cycle Management (PLM) Centre with SIEMENS, Drives & Control Lab with Mitsubishi Electric, Industrial Pneumatic Knowledge Centre with Janatics India and a Competency Development Centre in Integrated Automation with Automation Industries Association and industry partners like Pepperl & Fuchs, B&R, Festo and Siemens. The primary objective of these centres is to provide industrially relevant training in these inter-disciplinary state-of-art technologies to bridge the gap between academic curriculum and industry needs. These centres also promote research and industrial consultancies. The college also conducts a number of industrially relevant programs to make its students globally competitive. During the year 2019-20, over 900 placements have been done in reputed companies.

AKGEC believes in setting audacious goals and infusing fresh ideas to achieve the same. The college plans to promote collaborative industry relevant projects, R&D, and consultancy to raise the overall academic standard as well as to bridge the gap between academic curriculum and industry requirements to make its students globally competitive.

AWARDS AND ACHIEVEMENTS

- Chancellor's Medal for Best B.Tech student across all branches for four successive years since its inception
- Academic Excellence Trophy for "Best Engineering College in UPTU" for Two Successive Years from H.E., The Governor of U.P.
- "Best LabVIEW Academy in India" Award by National Instruments
- Award for Excellence & Innovation in Robotic Education by All India Council for Robotic & Automation (AICRA)
- "Best Industry Institution Association" Award by Royal Academy of Engineering, UK
- The only Institution in U.P. to have approval from DST, Govt. of India, for establishment of Centre of Relevance and Excellence in Industrial Automation & Robotics
- Skill Development Centre established in partnership with National Skill Development Corporation (NSDC)

Email: info@akgec.ac.in Web: www.akgec.ac.in

15 EMINENT INSTITUTIONS

S

Qs Indian Ranking 2020 – Top 51-55

39th POSITION AMONG UNIVERSITIES NIRF 2020

200+ UNIVERSITIES IN PARTNERSHIP WORLDWIDE

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

Sathyabama Institute of Science and Technology is one of India's premier Academic and Research universities that offers multi-disciplinary academic programmes in various fields of Engineering, Science, Technology, law, Dental Science, Pharmacy, Nursing, and Management. It is established under Sec.3 of UGC Act, 1956 and is been Accredited with 'A' Grade by the National Accreditation and Assessment council. The Institution persistently seeks and adopts innovative methods to improve the quality of higher education and is responsive to the changes taking place in the field of education on a global scale. This glorious Institution is functioning under the dynamic leadership of Dr. Mariazeena Johnson, Chancellor and Dr. Marie Johnson, President.

The Institution is academically organized into 27 Academic Departments and offers B.E., B. Tech., B.D.S., B. Arch, B. Pharm, B. Des, B.L, B.B.A., B.Com, B.Sc., B.A Undergraduate programs and M.E., M. Tech. M.D.S., M.Arch., M.B.A Postgraduate programs. Furthermore, it offers Ph.D. Programme in all the disciplines.

Research

The institution has partnership with more than 200 leading Universities across the globe. Students participation in International study programmes helps to promote global awareness, develop cross-cultural perspectives, and broaden career skills and help the students to become internationally competent and well-prepared for the requirements of 21st century jobs.

Entrepreneurship Development Cell and Technology Business Incubator

Innovation, Entrepreneurship and startups are the key objectives of the Entrepreneurship Development Cell of Sathyabama that provides assistance to aspiring student entrepreneurs. This cell provides guidance for students interested in self-employment and starting their own ventures. Sathyabama's Technology Business Incubator funded by NSTEDB – DST exclusively for the development and promotion of entrepreneurship in Marine Bio Resource and Engineering and Information Technology has been instrumental in supporting many incubatees and their transformation into successful entrepreneurs. It facilitated establishment of several start-ups, and contributed to the development of new innovation, products and Technology and their commercialization.

Placements

Sathyabama has an excellent placement record as the students are placed in Core companies and Multi National Companies. More than 300 companies visit the Campus to participate in the placement drive. Students are placed in top companies and the highest pay package for the Academic Year 2019-20 is 41 Lakhs per annum. Diverta, Human Resourcia, Cognizant, Wipro and Capgemini, Amazon, Hitachi, Seimens, Renault Nissan, Delloite, Wipro, Verizon, HCL, Hyundai, Oracle, Zifo R & D, E&Y, Saint Gobain, and ACP Limited are some of our major Recruiters.

AWARDS & RANKING

- Sathyabama is ranked 39th position among the Universities in India by NIRF- Government of India for the year 2020 and has been among the top 50 Universities for the last five consecutive years.
- QS-India Ranking 2020 – Top 51 -55 among the Indian Institutions.
- QS Asia Rankings 2020 – Top 401-450 position.
- QS Awarded Sathyabama the maximum five star ratings for Teaching, Inclusiveness and Facilities. And with four star ratings for Excellence, Employability and Innovation.
- QS I- Gauge, a rating for Indian Universities by QS has conferred Diamond Ratings on Sathyabama.
- Times Higher Education has ranked Sathyabama among the top Institutions worldwide.
- Times Higher Education's Subject Ranking for Engineering and Physical Sciences, Emerging Economies Universities Ranking and Young Universities Ranking, for the year 2019.

Email:johnbruce@sathyabama.ac.in www.sathyabama.ac.in

15 EMINENT INSTITUTIONS

J

74+ RESEARCH GRANTS FROM GOVT. AGENCIES **97%** PLACEMENTS

20 YEARS **5120+** PUBLICATIONS **22** ACRE CAMPUS

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY NOIDA (UP)

A LEADING PRIVATE 'DEEMED TO BE UNIVERSITY' IN NORTHERN INDIA

Jaypee Institute of Information Technology, Noida was established in the year 2001 and has been declared as a "Deemed to be University" under Section 3 of UGC Act 1956 in the year 2004.

JIIT is a multidisciplinary University offers Under Graduate (BTech & BBA), Postgraduate (MTech, MBA, MSc) and PhD programs.

JIIT has a well secured, clean, green and an ideal campus for national and international students for pursuing higher studies. Institute has environmentally conditioned state-of-the-art infrastructure in the form of class rooms, well equipped labs for teaching and research, intellectually stocked library, hostels for students, placement cell, health centre, sports arena and other amenities. About five thousand students are currently enrolled in different programs of the institute.

The Institute has a regular student exchange program with global Universities such as University of Spain and Florida.

The dedicated Placements Cell at the Institute has a strong network with leading prominent companies. About 150 leading companies and start-ups such as Adobe, Amazon, Directi, Amazon Web-services, SAP labs, Morgan Stanley, Infosys, Wipro, Ola, HSBC, Deloitte, HCL, Byjus, Cognizant, Wipro, Godrej, Airtel, Zycus, Llyod Ventures, visit the Campus every year. The Institute stresses on grooming of our students in sync with Industry requirement.

Over the years, a good number of students have gone for higher studies abroad in renowned universities such as Stanford, Oxford, CMU, Cornell, Georgia Tech, Purdue, Florida, California, NUS Singapore, etc., which indicates global acceptability of the curriculum and standards of the Institute. At National level, students are getting admissions in some of the premier institutions like IITs, IIMs, IISc etc., for post-graduate studies.

AWARDS & RANKING

- NAAC Accredited.
- NIRF (MHRD) All India Ranking in 2020 is 96th in engineering category.
- Credited with 7 patents filed, 6 patents published, 1 patent granted & 1 technology transfer.
- Received 74 research grants of Rs. 16.2 Cr from different government agencies.
- MoUs with Foreign Universities and Industries..
- About 175+ companies visit the campus for placement each year. Maximum package offered was Adobe: Rs. 43.63 Lacs in 2020.
- Highly experienced faculty members. Majority from IIT's & other Institutions/Universities of repute.
- In 2020, till date there have been over 148% placement offers with 97% placement achieved
- Organized 33 International conferences, about 300 invited talks, and 110 workshops & seminars with 6500 delegates from India & abroad during last 7 years.
- About 150 leading companies and start-ups visit the Campus every year.

Email:webadmin@jiit.ac.in Web: www.jiit.ac.in

15 EMINENT INSTITUTIONS

S

4 YEARS **91%** + PLACEMENTS

150+ PATENTS **1000+** PUBLICATIONS **40** ACRE CAMPUS

SANSKRITI UNIVERSITY

FOR EXCELLENCE IN LIFE

Sanskriti University is a multi-disciplinary State Private University established to focus on achieving excellence and transforming the youngsters into world class professionals besides making them worthy citizens who contribute to the process of global development. The University is committed to deliver high quality academic services, cutting edge research, with focus on innovation, publications, incubation, placements, entrepreneurship, and allied aspects. The University provides a conducive teaching learning environment as it is endowed with state of the art infrastructure and is technology enabled. The University has signed MoUs with leading National and International bodies to further provide global exposure in teaching & research.

Sanskriti University is committed to set new global benchmarks of excellence by having a focus on providing integral education to the students with focus on life skills for holistic development of the

students. It looks forward to see you becoming part of Sanskriti University to leave your footprints on the sands of time.

PROGRAMMES

Sanskriti University offers various Doctoral, Masters Graduate and undergraduate Programs offered by various Schools of the University.

LIST OF SCHOOLS

ENGINEERING & IT, AYURVEDA , UNANI, UNIVERSITY POLYTECHNIC, MANAGEMENT & COMMERCE, TOURISM & HOSPITALITY MANAGEMENT, LAW & LEGAL STUDIES, EDUCATION, MEDICAL & ALLIED SCIENCES, FASHION & FINE ARTS, AGRICULTURE, REHABILITATION, PHARMACY, BASIC & APPLIED SCIENCES, AND YOGA.

GLOBAL OPPORTUNITIES

Sanskriti University has signed MOUs with leading International opportunities to provide world class research opportunities in leading foreign universities to provide a catalytic boost to their career. Students can be part of global student exchange Programs (SEP)
and can avail visa facilities to become part of these universities for Research and SEPs.

AWARDS & RANKING

Sanskriti University has been consistently ranked higher among the premier Universities of India.

- "Sanskriti School of Tourism & Hospitality (Best Value for Money) Ranked 1st in Private Colleges, Uttar Pradesh by India Today, Best Colleges Ranking 2020"
- "Sanskriti School of Engineering & Information Technology Ranked 6th in Private Colleges, Uttar Pradesh by India Today, Best Colleges Ranking 2020"
- "Sanskriti School of Management & Commerce Ranked 5th in Private Colleges, Uttar Pradesh by India Today, Best Colleges Ranking 2020"
- "Ranked Among Top 15 Universities" By India Today"
- "Most Preferred University with Global Exposure" by ASSOCHAM

COLLABORATION WITH UPGRAD

Sanskriti University has signed a special MOU with leading company upGrad for B.Tech CS- (Artificial Intelligence & Machine Learning) and MBA with the specialization in Business Analytics to ensure at least 10 interview opportunities with leading corporate houses apart from consistent delivery of knowledge, skills and competencies during the academic journey on campus by leveraging upGrad technology infrastructure.

Email:info@sanskriti.edu.in www.sanskriti.edu.in

15 EMINENT INSTITUTIONS

GLA UNIVERSITY, MATHURA

GLA Institutes started as a tribute to Shri Ganeshi Lal Agarwal, are now recognized as a University. Their primary goal, of meeting the educational needs of students in the region is fulfilled to the best of their abilities. In the process, they have discovered that for their students, over and beyond infrastructure facilities and the teaching methodologies it is the environment that makes them comfortable during the time they spend here. To that extent, special efforts have been made to provide such an enabling environment. Be it a value system that reflects the best of the values from the region, to a diet that is both familiar and healthy to a vast majority of them. GLA provide great significance to interactive learning and two-communication processes, thereby making the learning environment sincere and responsive. With teachers who are acknowledged experts in their field, it is an environment that combines the best of pedagogy with an encouragement to ask, be curious.

Today, when the work environment demands a lot more beyond just knowledge and marks, a lot of emphasis is laid on the overall personality development of the students so as to foster in them the necessary drive and confidence to meet the demands and challenges of the modern world.

The learning ambience at all the constituting Institutions is perfectly suited for all-round growth and academic excellence.

Today, the university has a proud record of evolving efficient, confident and highly knowledgeable technocrats, managers, pharmacists and entrepreneurs with global thinking and futuristic mind-set that will contribute to nation building with a strong adherence to corporate ethics.

A key part of the learning experience is what students do beyond their classrooms. Keeping this in mind, the hostel facilities in the University premises have been designed with utmost care and attention so that the students can feel secure and at ease. The idea is to ensure that our students are provided with every facility they could possibly require, to fulfill their potential and develop an attitude to life that will serve them for their life beyond the boundaries of GLA University.

KIET GROUP OF INSTITUTIONS, GHAZIABAD

With the glorious legacy of 22 years in Engineering education, presently KIET Group of Institutions has more than 5800 students on its roll. KIET offers Engineering, Pharmacy & Management education and it's situated in Delhi-NCR, Ghaziabad.

The success of its belief in excellence is clearly brought out by the academic results with 26 Rank-holders in the University session 2019-2020 and the plethora of Education Excellence Awards bagged by the institute. Our students acquire competence to become global knowledge workers and our close collaboration with reputed MNCs, firms and industries, not only helps us in creating opportunities for jobs but also in preparing entrepreneurs who provide jobs to others and to work in this direction, there is an in-house entrepreneurship cell, Technology Business Incubator ie. TBI-KIET and Innovation Centre, that up skills our students through research based activities.

KIET Group of Institutions is embellished with a number of Centers of Excellence that take care of providing exclusive skills to the students beyond the syllabi. We have recently stepped into an innovative venture by setting up the Center of Excellence for Space Technologies at our institute. The institute believes in preparing global citizens and honing its students with strengths that can equip the students to fight challenges in the world abroad through its International Relations Office (IRO) that looks after their international relations, collaborations, lectures, foreign languages, events and internships

In its endeavor to continuously improve the quality of teaching-learning process, the institute gives immense weightage to research activities. The Institute has Recognition of Scientific and Industrial Research Organizations (SIRO) by Department of Scientific & Industrial Research (DSIR). The institute has got sanction of Conference grant (4 Nos.), Grant under Collaborative Research and Innovation Program (CRIP)(2 Nos.) 06 patents have been granted, 06 applied, 21 books, 38 SCI, 107 SCOPUS Journal publications etc. Also 12 Scientific Research proposals have been submitted under various schemes of SERB, Delhi.

KIET has well established Innovation Centre, conceptualized with a mission to promote outcome-based learning for students that includes learning by making market-ready projects and developing deeper understanding of the subject specifically in student's own interest area. The institute is affiliated to Dr APJ Abdul Kalam University, Lucknow, approved by AICTE.

WEBSITE & OTHER LINKS:

www.kiet.edu

https://www.kiet.edu/technology-business-incubator-kiet

https://www.kiet.edu/centre-of-excellence

https://www.kiet.edu/blog/international-exposure-preparing-global-citizens/

Mail id: info@kiet.edu

Placements - 90%

Students – 5800+

Alumni – 50,000+

20+ years of Academic Excellence

International Internships

Foreign Languages - 3

ACCOLADES & ACHIEVEMENTS

Accredited by NAAC 'Grade A' and its courses (EN, ME, CSE, IT, EC, MCA & Pharmacy) are NBA accredited.

Among top 250 institutes in India for its Engineering discipline in National Institutional Ranking Framework (NIRF) - India Ranking 2020 by MHRD, Govt. of India

Team Interstellars SAE-KIET conferred with Neil Armstrong Best Design Award College Category at 2019 NASA HERC, USA

Ranked in the band of 6 to 25 in Atal Ranking of Institutions on Innovation Achievements (AIIRA), 2020

Recognized with the title of Utkrishth Santhan in category 3 (second position) in Utkrish Sansthan Viswakarma Award (USVA) 2020

"E-LEAD Certification" by QS I-GAUGE in June 2020

"Aegis Graham Bell Award -National Talent Hunt - Phase II 2020

Excellence in Enabling Research Environment" Award by ASSOCHAM in Feb'20

Outstanding Colleges in India" Award by EdTech Review in Mar'20

Best Private Institute in North India for Innovation 2019 award for outstanding and exemplary contribution towards Education, Skill Development and Research by Centre for Education Growth and Research (CEGR)

Best Technical Fest and Best Technical Infrastructure of the Year awards at All India Council for Robotics & Automation (AICRA) India STEM Summit & Awards 2020

KIET School of Pharmacy -Ranked no. 15(All India) by Times of India

15 EMINENT INSTITUTIONS

A

22 ACRE CAMPUS

2010 ESTABLISHED **100%** PLACEMENT ASSISTANCE

APEEJAY STYA UNIVERSITY

India's 1st Industry-Centric Technology & Liberal Arts University focused on Research & Innovation.

Apeejay Stya University (ASU) is a seat of global learning, situated at Sohna-Palwal Road, Gurugram, offering innovative teaching-learning, and research. It aims to bring about transformation of society through value-based education, man-making and nation-building. ASU is duly recognised by the University Grants Commission (UGC).

Established in 2010, ASU has been a pioneer of a dynamic education model that broke artificial barriers of disciplines. It ushered-in trans-disciplinary and multi-disciplinary education that is industry-oriented and prepares its graduates for the real world. It champions a Liberal Arts approach with a focus on research-based pedagogy and technology. A seamless industry interface and mentoring by industry leaders are features that enables ASU to shape up industry ready graduates.

ASU's dynamic approach in education finds resonance in the National Education Policy 2020, in such areas as Liberal Arts philosophy, inter disciplinary approach, credit based programme structure, multiple exit options and freedom to choose one's own majors and minors. In fact, the philosophy that ASU had adopted for long, has been reflected in the new National Education Policy (NEP) 2020. For ASU it comes as validation in more ways than one.

Apart from fostering critical thinking and analytical skills, research forms the backbone of all our programmes. ASU has also been bestowed with numerous national & international awards and accolades. ASU has an excellent placement record. Regular internships are also arranged for the students with leading national and international companies. All ASU programmes meet rigorous quality standards set by the various certifications and accreditation bodies under the UGC.

Founded by the legendary Dr Stya Paul, Apeejay Stya University is being taken forward under the remarkable stewardship of his daughter & only child, Mrs Sushma Paul Berlia, who is the Co-Founder and Chancellor of the University.

ASU is renowned for its strong industry linkages. It has been established on the academic pattern of the Ivy League universities of the world. ASU offers an array of programmes across disciplines including Engineering & Technology, Pharmaceutical Sciences, Design & Visual Arts, Biosciences, Management Sciences, Journalism & Mass Communication, Education and Legal Studies.

Apeejay Stya University has signed MoUs with many international institutions to provide global exposure to its students. ASU provides affordable spacious girls' &boys' hostel and studio apartments within campus. The Corporate Resource Centre of the University provides a dynamic platform for regular engagement with the industry. Faculty at ASU comprises reputed academicians and renowned scholars. Experts from various domains also provide enrichment through guest lecturers etc. ASU carries forth Apeejay Stya Group's strong legacy of over 50 years of excellence in education.

Campus life at ASU exudes a cultural vibrancy and myriad extra-curricular pursuits. A plethora of clubs cater to a range of interests including music, dance, dramatics, fine arts, photography, etc. ASU also has state-of-the-art facilities for sports.

ASU is the culmination of a cherished vision of more than five decades old Apeejay Education Society, with 24 educational institutions in India.

ACHIEVEMENTS

Apeejay Stya University is among the select universities recognized by the International Association of Universities (IAU).

Apeejay Stya University has been felicitated for its valuable contribution for promoting Liberal Arts Education at TIMES EDUCATION ICONS 2019-2020

Apeejay Stya University has been selected for establishing Institution Innovation Council by Innovation Cell, Ministry of Human Resource and Development , Govt. of India.

Apeejay Stya University recognized as the Great Place to Study at the House of Commons, London

Ministry of Micro, Small and Media Enterprises, Govt. of India has accorded Apeejay Stya University as Incubator MSME .

ASU conferred the 'Best Private University' Award at the 11th ASSOCHAM Higher Education Summit & National Excellence Awards 2018

Email:admissions@asu.apeejay.edu www.university.apeejay.edu

CHANDIGARH UNIVERSITY, PUNJAB

The University has become the youngest university of the country to be granted A+ Grade in first cycle

Chandigarh University Gharuan has been awarded the prestigious A+ grade by the National Assessment and Accreditation Council (NAAC). The A+ grade has placed Chandigarh University amongst the India's most elite and prestigious Higher Educational Institutions (HEI) which is maintaining top standards in delivering and disseminating of quality education to its students. Established in 2012, Chandigarh University has become the youngest university of the country be Assessed and Accredited by NAAC and has been granted A+ grade in the first cycle itself. In addition, Chandigarh University has become the only private university in India to bag A+ grade in the first cycle of the accreditation process and has also become the only state private university of Punjab to be accredited by NAAC. Excutive Director, Dr. S.S.Sehgal and Director, Coprorate Relations Himani Sood were also present on the occasion.

Chancellor Chandigarh University, Satnam Singh Sandhu said, "The University scored a Cumulative Grade Point Average (CGPA) of 3.28 on 4 point scale and CU is the first university in the state to be evaluated by NAAC as per the revised scheme, which has made the entire process of accreditation even more stringent and challenging". It is hard-work done by our students and faculty for 7 years that have resulted in getting this recognition which has endorsed our academic framework and policies that we have been practicing since inception, he added. The Chancellor said, "We have adopted flexible choice-based academic model that gives freedom to the students to undergo learning in multiple disciplines along with transparent & continuous evaluation process that helps in holistic development of our students".

While explaining the unique practices being adopted by University that helped the University in achieving the fete, the Chancellor said, "With state-of-the-art R&D infrastructure available, our students and faculty have been engaged actively in doing innovation and social relevant research for the society which has resulted in filling of 400 patents and establishment of 85 start-ups within a time span of three years". The University pioneered to design & offer new-age programs in emerging fields and also customized the traditional programs as per the changing requirements of the Industry which resulted in greater acceptability of our talent in the corporate world, he added. More than 627 multi-nationals gave a record 6314 offers during 2018-19.

In addition, the university sports-persons have won 10 Championships and 86 International and National Medals in various sports tournaments across the globe. The overall performance of University in different aspects such as Student Services, Research, Academic Model, Achievements of Students and Faculty in sports and cultural activities, Industry Liasoning and Acceptance have lead to the achievement of A+ Grade in the prestigious NAAC Accreditation process, he added.

Explaining the accreditation process, Dr.SS Sehgal said, "In the previous scheme, before 2017, the entire assessment was based on the peer team visit which was revised and now under the new process, 70 percent of the assessment is based on the data submitted by the institution/university which is assessed by the third party which makes the process of accreditation even more tougher & stringent". The NAAC accreditation will open new avenues for the University and its students.

NAAC is an autonomous body of UGC which evaluates Higher Educational Institutions in terms of their performance related to the educational process and outcomes, curriculum, teaching-learning process, research undertaken, governance, new initiatives and student services. Established in 1994, it works towards the periodic assessment and accreditation of institutions of higher education and also to simulate the academic environment for promotion of quality of teaching-learning process and research initiatives.

SWAMI VIVEKANAND SUBHARTI UNIVERSITY (SVSU)

Where education is passion

Swami Vivekanand Subharti University (SVSU) is a University under section 2(f) of the University Grant Commission (U.G.C.) Act, 1956 set up under the Swami Vivekanand Subharti Vishwavidhaylaya, Uttar Pradesh Adhiniyam, 2008 (U.P. Act No.29 of 2008) as passed by Uttar Pradesh Legislature and assented by the honorable Governor of Uttar Pradesh in September 2008.

The University has been established under the aegis of Mahayana Theravada Vajrayana Buddhist Religious and Charitable Trust, Meerut, which has acquired a commendable record of service in the field of Education, Health care and Social Welfare.

The main campus of the University is in the National Capital Region, strategically situated on National Highway 58, Delhi bypass road, Meerut, The campus aptly called 'Subhartipuram', is spread over a sprawling area of about 250 acres of land comprising magnificent buildings, lush green lawns and vibrant surroundings with over 5000 people, determined to make this a 'Jewel in the Crown' of the nation.

The University has several constituent colleges which provide higher education in almost all the disciplines like Medical, Dental , Nursing, Physiotherapy, Paramedical, Pharmacy, Nathropathy , Yogic Sciences, Engineering , Management, Law, Journalism, Education, Library, Arts and Science, Hotel Management, Faculty of Science etc. thus engaged in creating academically and technically proficient professionals.

The University boasts of highly qualified, dedicated and competent faculty from all walks of life, world class infrastructure, fully equipped Laboratories with latest state-of-the-art equipment and a huge library with recent knowledge resources including e-resources.

The University has received awards and accolades from many reputed International and National level organizations for its commitment towards value based education, youth empowerment and social service.

Subharti University pursues the accreditation norms under the directive and supervision of UGC by NBA / NAAC.

Confederation of Indian Industry (CII), 4th Nursing Conclave 2020.

UPACRI-2020 AWARD ORGANISED BY DHS FOUNDATION

Swami Vivekanand Subharti University is accorded with the most prestigious **"ICONIC EDUCATION SUMMIT & AWARDS-2019"** organized by TOPGALLANT MEDIA under the category for MOST INNOVATIVE UNIVERSITY at Novatel Hotel, GOA.

Hon'ble Minister of Human Resources, Dr Ramesh Pokhriyal bestowed **"Excellence in Education Award"** to the university for making education exoteric and accessible for all ABP News vouchsafes the **"Excellence in Education Award"** to Swami Vivekanand Subharti University in its 10th Veneration

Assessments in the time of Covid19

Gaurav Srivastava
Regional Director – South Asia,
Graduate Management Admission Council® (GMAC®)

Borrowing from the unusual title of the bestselling novel Love in the Time of Cholera, written by famed Colombian Nobel prize winning author Gabriel Garcia Marquez, assessments or what is more commonly referred to as 'entrance tests' in the midst of the Covid19 pandemic is something that has affected thousands of Indian candidates from pursuing their dream management program and made it almost seem like a distant dream.

It's a daunting and at times outright scary thought to head out to an examination center which might be crowded with people some of whom could also be infected and then be expected to perform in a test that could well decide the course of your entire future. Hence, it's understandable as to why a number of Indian candidates are thinking of dropping a year rather than taking a risk.

However, wasting a year is not a great option and thankfully it's not required either due to the timely launch of online assessments like the GMAT and NMAT by GMAC, both assessments that can now be taken from the safety and comfort of your homes.

The GMAT Exam

The GMAT exam, which is the world's largest management entrance test taken by thousands of candidates across the globe and accepted by the worlds best b-schools, needs no introduction. However, what most Indian candidates don't seem to be aware of is the fact that the GMAT exam, is also accepted locally in India, by most leading b-schools, including the IIM's for their Executive MBA programs.

In April this year the GMAT exam has also been launched in an online version that can be taken from your home or from anywhere else 24x7 so candidates don't have to necessarily head to a test center, they can now appear for the GMAT exam remotely as per their convenience anytime of the day or night.

The GMAT exam has also been ratified by the Indian regulatory body the All India Council for Technical Education (AICTE) as an exam that any Indian, b-school can accept for admitting candidates to their programs. It offers great value to candidates that other local tests do not offer in addition to the online option like round the year testing, instant access to scores, unlimited free score sending to programs globally, official prep material to prepare for the exam, retake option after a gap of 15 days, score cancellation as well as reinstation and perhaps one of the strongest features is the 5 year validity for the GMAT exam score, making it a great value add for undergraduate students in their pre-final and final year, to take the exam while they are students and use the score to apply anytime within the next 5 years.

To get complete details about the GMAT exam and to view the list of accepting schools, please visit www.MBA.com which is the official website for the GMAT exam.

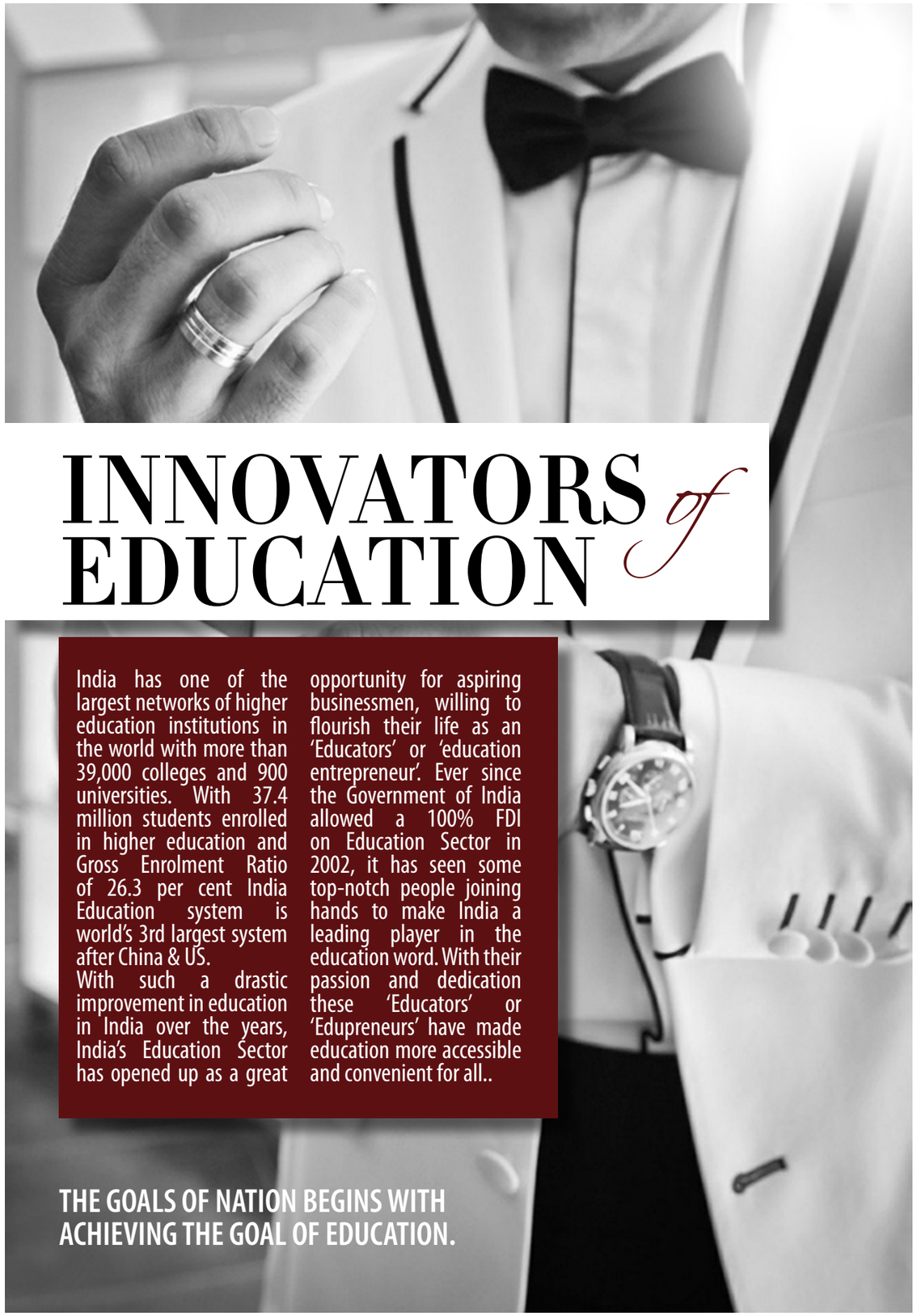
The NMAT by GMAC Exam

A couple of years ago the Graduate Management Admission Council™ (GMAC), the organization that owns and runs the worlds most popular assessments like the GMAT, Executive Assessment and NMAT by GMAC, acquired the NMAT exam from NMIMS University, and made changes to it's structure adding a number of new convenient value added features for candidates and signed up over 30 leading b-schools in India, for acceptance of the test.

Over 50,000 Indian candidates appear for the NMAT by GMAC exam every year and use it to secure admissions in the accepting schools which include leading brands like NMIMS University, Xavier University and Bennet University for their flagship MBA programs as well as schools like ISB and SPJIMR, for some of their select programs like the AMPBA program at the Indian School of Business (ISB) and the PGMPW program at SP Jain Institute of Management & Research (SPJIMR).

Like the GMAT exam, the NMAT by GMAC exam has also launched an online version of the assessment that can be taken from anywhere. Candidates can choose between the option of heading to a test center or writing the exam from the safety of their home. The online version is exactly the same as the one that is offered at the test center and the cost of the test has also been kept at par.

Some of the other features that the NMAT by GMAC exam offers to candidates in terms of convenience are multiple attempts within a long testing window to help improve scores, no negative marking, choose the section order, instant score preview and official score card within 48 hours and availability of official practice material specially created by GMAC. ***To get complete details about the NMAT by GMAC exam and to view the list of accepting schools, please visit www.NMAT.org which is the official website for the NMAT by GMAC exam.***



INNOVATORS *of* EDUCATION

India has one of the largest networks of higher education institutions in the world with more than 39,000 colleges and 900 universities. With 37.4 million students enrolled in higher education and Gross Enrolment Ratio of 26.3 per cent India Education system is world's 3rd largest system after China & US.
With such a drastic improvement in education in India over the years, India's Education Sector has opened up as a great opportunity for aspiring businessmen, willing to flourish their life as an 'Educators' or 'education entrepreneur'. Ever since the Government of India allowed a 100% FDI on Education Sector in 2002, it has seen some top-notch people joining hands to make India a leading player in the education word. With their passion and dedication these 'Educators' or 'Edupreneurs' have made education more accessible and convenient for all..

THE GOALS OF NATION BEGINS WITH ACHIEVING THE GOAL OF EDUCATION.

These innovators of education unleash young talent and create a future where creativity & innovation is the norm

VELLORE INSTITUTE OF TECHNOLOGY

Established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis.The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students.

G. Viswanathan
Chancellor
VIT University

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

Its our pleasure being the driving force for the students in guidance and assistance to achieve both academic and personal goals. we focus primarily on grooming the students and enhancing their academic and inter personal skill sets and finally making them a wise human being.
"None of us is as strong as all of us". Students' success and their well-being will always remain the most important priority of Sathyabama Institute of Science and Technology.

Dr-Mariazeena-Johnson
Chancellor **Sathyabama Institute of Science and Technology**

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Education is all about creating an environment of academic freedom, where bright minds meet, discover and learn. One would experience top of the world living and learning experience at SRM. The University is committed to be a leading player in academic world through excellence in teaching and research, while placing utmost value in the freedom to conduct academic activities, subject to the highest standards of academic integrity.

Dr. T. R. Paarivendhar *Founder Chancellor* **- SRM Groups**

GALGOTIAS UNIVERSITY

Started with a vision of developing the higher education scenario of our country through a well-established academic ecosystem. Now we have spread to various horizons of education, be it incubation center, entrepreneurship, extra and co-curricular activities our students are given flexibility and encouraged.we provide great significance to interactive learning it is an environment that combines the best of pedagogy with an encouragement to ask and to be curious. Our state-of-the-art infrastructure, picturesque & inspiring setting and devoted team of faculty-members and administrators are our pillars of success. The learning ambience for all-round growth and academic excellence, is the reason today we have students not just from PAN India but also from different parts of the world, proving Galgotias University as choicest educational institution.

Suneel Galgotia- *Chancellor*
Galgotias University

AMRITA VISHWA VIDYAPEETHAM UNIVERSITY

Amrita is one of India's premiere teaching and research institutions and has been ranked in the "Ivy League" of Indian Universities by the Ministry of Education, Government of India. A key aspect of Amrita Vishwa Vidyapeetham is its dedication to bring about change in all levels of society. The University puts a great deal of emphasis on research and the development of innovative technology.

Mata Amritanandamayi *Chancellor:*
Amrita Vishwa Vidyapeetham University

MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES

Manav Rachna Educational Institutions (MREI) is the first in the country to quickly adapt to the changing times. During these unnerving times, we were guided by three core ideas: the health and well-being of our student community, our responsibility to their academic progress, and our responsibility to help check the spread of COVID-19.
Manav Rachna ensured that every individual associated with the family including 50,000+ strong alumni base across the globe was in this together and did everything in their capacity to heal & help each other. MREI continues to keep the interests and academic endeavors of its students on top priority.
With strong investments in strengthening our IT infrastructure and structured faculty training programs, Manav Rachna was a frontrunner in ensuring continuity of education.

Dr. Prashant Bhalla, *President,*
Manav Rachna Educational Institutions

GL BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT

As a premier institute of higher education, we follows a modern and market-oriented course structure which efficiently transforms an exceptional pool of students to job ready graduates. It also stands out in its approach to assist and equip the students for their overall development, giving them a strong foundation for a successful future.

Pankaj Agarwal
Vice Chaiman,
GL Bajaj

SWAMI VIVEKANAND SUBHARTI UNIVERSITY

To democratize higher education by taking education to the door step of the learners & to provide access to high quality education irrrespective of age, region, religion & gender

Dr. Shalya Raj
Chief Executive Officer
Swami Vivekanand Subharti University

GLA UNIVERSITY

GLA University offer opportunities for the ever aspiring and talented youth with an urge to acquire professional education in the conventional and newly emerging areas. GLA provide enough competitive academic inputs, open mindedness and learner-focused set up. It is, therefore, very essential that you choose a program, which meets your aptitude, capability and capacity.

Narayan Das Agrawal,
Chancellor, **GLA UNIVERSITY**

SANSKRITI UNIVERSITY

The University has taken right steps in this direction by creating facilities for conducting research in different fields and also encouraging the students and faculty members to undertake research. "Sanskriti University has developed its curriculum on the basis of global requirements. In short, the University is grooming the students of every programme in accordance with contemporary international requirements for attaining expected level of 'employability".

Sachin Gupta *Chancellor,* **Sanskriti University**

AJAY KUMAR GARG ENGINEERING COLLEGE (AKGEC)

We strive to provide and maintain academic environment and systems, enabling maximum learning to produce competent professionals. We also aim at achieving this through transparent academic and administrative policies in the college. We intend to provide conducive atmosphere for research, development and consultancy services to our faculty

Dr R.K. Agarwal
Director General, **AKGEC**

CHANDIGARH UNIVERSITY

Enjoys high standing among many national rating services that evaluate quality of education, research activity, affordability and athletic excellence

S. Satnam Singh Sandhu
Chancellor,
Chandigarh University

SRM SONEPAT UNIVERSITY

With nation building as its foremost guiding principle, SRM Group of Higher Institutions and its campuses has been a pioneer since 5 decades all over India. SRM University (SRMUH), Delhi-NCR, Sonepat, is one such multi-disciplinary campus imparting education in various areas, including Technical, Management, commerce, Law, Science, Humanities, and Hotel management.

Dr. PS Jaswal
Vice Chancellor,
Srm Sonepat

JAIN (DEEMED-TO-BE) UNIVERSITY

Jain University offers a conducive environment for learning, be it academically or extracurricular activities. Known for its emphasis on education, entrepreneurship, research and sports, Jain (Deemed-to-be University) has some of the best minds in the educational and research fields, and centers that inspire entrepreneurship and groundbreaking work to simplify and manage life better.

Dr. Chenraj Roychand,
President
Jain (Deemed-to-be) University

APEEJAY STYA UNIVERSITY

Apeejay Stya University is India's 1st Industry-Centric Technology & Liberal Arts University focused on Research & Innovation. It is a pioneer in trans-disciplinary education in an array of disciplines. Its philosophy has found huge resonance in the National Education Policy 2020. It is backed by the Apeejay Stya Education heritage of more than five decades.

Mrs Sushma Paul Berlia,
Co-Founder & Chancellor
Apeejay Stya University

SHOBHIT DEEMED UNIVERSITY

Shobhit University believes in strategic growth as envisaged in our mission and vision, to impart quality education through vertical and horizontal integration.
It strives to become a world class university, with a global perspective, that educates the future leaders of the world.
Therefore, the challenge before the University is to remain in the forefront of cutting edge knowledge and to follow the best international practice(s) in academics.

K. S. Vijendra,
Chancellor,
Shobhit University

THE UNIVERSITY OF PETROLEUM AND ENERGY STUDIES(UPES)

A university whose top priority is to help students fulfil their aspirations and dreams. We work in tandem with students to design customized educational plans that meet their individual goals.

Dr Sunil Rai
Vice Chancellor,
UPES

REVA UNIVERSITY

"REVA University aspires to become an innovative university by developing excellent human resources with leadership qualities, ethical and moral values, research culture and innovative skills through higher education of global standards".

Dr. P. Shyama Raju
Chancellor,
REVA University

MAHARISHI MARKANDESHWAR UNIVERSITY(MMU)

MM(DU) focuses on 'real-world experiential knowledge', on the strong footing of distinct academicians, course planning, student development programs, and global reputation.

Tarsem Garg
Chancellor, **MMU**

LOVELY PROFESSIONAL UNIVERSITY

Lovely Faculty of Distance Education (LFDE) at LPU strives to fulfill the mission of providing for the varying educational needs of a culturally diverse and geographically dispersed student body and the goal of preparing students academically, personally, and professionally for successful careers.

Ashok Mittal *Chancellor,*
Lovely Professional University

SHARDA UNIVERSITY

My vision is to provide the students a place where boundaries of subject discipline fade away and students get exposed to a new way of learning so that they can contribute in building Atmanirbhar Bharat.

PK Gupta
Chancellor, **Sharda University**
Chairman, **Sharda Hospital**

FUTURE OF ENGINEERING

5 New–Age B.Tech programmes to advance your career

The field of engineering is developing rapidly and this is the time to integrate old subjects with new streams. Here are 5 BTech programmes you can choose now which are high in demand.

SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

Symbiosis International (Deemed University) is a multi-disciplinary university offering its students and faculty a vibrant learning ecosystem designed around its multi-cultural and innovative ethos. Established in Pune in 1971 by the Founder and President , Dr. S.B. Mujumdar (awarded Padma Shri and Padma Bhushan) as a 'home away from home' for African Asian students and committed to building international understanding by offering quality education, Symbiosis has entered its 50th year and continues to focus on excellence, expansion, and equity

Dr. Vidya Yeravdekar
Pro- Chancellor, **Symbiosis International (Deemed University)**

MIT WPU UNIVERSITY

"Apart from maintaining the educational excellence, MIT-WPU is the only university in India that grooms its students to use their knowledge for the ultimate welfare of humanity and world peace. Besides, I envision that the culture of research and innovation in India becomes robust enough to navigate the Industrial advancement than academia following the industries."

Rahul Vishwanath Karad
Executive President-**MIT World Peace University**

SHRI RAMSWAROOP MEMORIAL UNIVERSITY

SRMU is committed to leveraging its wide-ranging facilities to world-class standards with a goal to provide the best academia and professional resources and to prepare students for global opportunities. This makes SRMU a repository of academic and extra-curricular excellence with its state-of-the-art infrastructure and amenities. University is a confluence of academic, cultural and intellectual resources. It seeks to achieve the highest levels of distinction in the innovation and transmission of knowledge and understanding.

Er. Pankaj Agarwal,
Chancellor
Shri Ramswaroop Memorial University

KLE ACADEMY OF HIGHER EDUCATION AND RESEARCH

The institute will strive to be among the top ten medical colleges in India in the spheres of medical education, research and health care services. Added to this 1000 bed Dr.Prabhakar Kore Charitable Hospital and three Primary Health Centres and one urban Health centre will be the epicenters of post graduate and under graduate training, wherein patients are treated free and exclusively meant for training the post graduate and under graduate in their basic knowledge and skills.

Prof. (Dr.) Vivek Arvind Saoji
Vice-Chancellor **KLE Academy of Higher Education and Research**

BANASTHALI VIDYAPITH

Banasthali Vidyapith was established in 1935 when the concept of girl education virtually did not exist. Offering education from nursery to doctoral level, it is nurturing enlightened citizens with strong value base through its time-tested and unique five-fold education. Today it is second highest ranked women's university by THE and has the highest accreditation by NAAC amongst comprehensive private universities in India.

Prof. Aditya Shastri,
Vice-Chancellor,
Banasthali Vidyapith

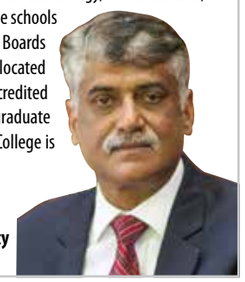
HINDUSTAN INSTITUTE OF TECHNOLOGY AND SCIENCE

Hindustan Institute of Technology and Science (HITS), established 1985, a Deemed to be University offers a wide spectrum of Undergraduate Programmes, Post Graduate Programmes, Diploma Programmes, Research and Doctoral Programmes. The Institution focuses on Industry 4.0 Ready Programs and from 2020 -21 HITS is offering Engineering Degrees in specialized fields of study such as Clean Energy, Cyber Security , Avionics, Artificial Intelligence & Machine Learning to name a few. HITS will focus on these innovative and new areas of study to fulfill the huge shortfall of skilled workforce needed to bridge the gap in the growing requirement created by these emerging technology arenas.

Dr. Anand Jacob Verghese, *Pro Chancellor*
Hindustan Institute of Technology and Science

PRESIDENCY UNIVERSITY

Presidency Group of Institutions (PGI), along with the University, constitutes 7 Schools and a College. While the college offers programmes to students at both the undergraduate and postgraduate levels in information Technology, Commerce, Management and Journalism, the schools offer National and International Boards of Studies.Presidency College, located in Bengaluru, has been re-accredited by NAAC with 'A+' . The postgraduate MBA programme at Presidency College is approved by the AICTE, Delhi.



Dr. Nissar Ahmed
Chancellor **Presidency University**

Engineering is one field of study that is vast in nature, prevalent across every sector and never runs out of vogue. Engineering skills have shaped the human civilisation and engineering is going to remain until we cease to exist.

The industrial revolution 4.0 has introduced several new technologies that engineers need to imbibe to be relevant for the future. Internet of Things, Machine Learning, Robotics are the new trend that is going to shape the future.

Keeping pace with the technological advancements, the industry is also going to embrace forward thinking engineers. It has become imperative for every aspiring engineer to upskill themselves and to be able to redesign their processes and operations.

The core engineering branches like Mechanical Engineering, Electrical engineering, Chemical Engineering, Civil Engineering have always had an undying importance for generations and will continue to do so.

But given the new industrial revolution it has become essential that consolidation and strengthening of existing programmes take place along with re-looking the engineering programmes by introducing advance courses which is relevant with the new age demands.

Every programme should have specialisations and universities should start focusing on interdisciplinary modules, introduce complex and compound engineering, futuristic courses that can keep pace with the technological and industrial advancements.

Here are few advanced engineering programmes that students should look at along with their career options that can guide students into following their passion:

1. B.TECH IN SMART MANUFACTURING AND INDUSTRIAL IOT

According to industry reports, the smart manufacturing market is $ 384.8 billion by 2025 with CAGR 12.4%. Rapid prototyping, concurrent engineering, 3D printing, sensors, robotic design and control are new trends to look at.

Smart homes, common ecosystems are gradually gaining popularity and picking a course and learning the Internet of Things is a good engineering course.

Major career options:

- Manufacturing engineering
- Process plan engineer
- Robotic Systems design
- Industrial Automation engineer
- Automotive embedded engineer
- Computer hardware engineer
- Electronic component manufacturing

2. B.TECH IN ADVANCED MATERIALS AND NANOTECHNOLOGY

Nanotechnology is defined as the use of matter on an atomic, molecular, and supramolecular scale for industrial purposes.

Under this course a student can learn all about material science, material processing, shape memory alloys, self-healing polymers, etc.

Major career options:

- Research Scientist,
- Manufacturing Engineering
- Material engineers
- Material Design Engineer
- Process Engineer
- Production engineer
- ISRO/ DRDO/ CSIR Labs

3. B.TECH IN SMART MOBILITY DESIGN AND ENGINEERING

Reports state that the global smart transportation market size: $ 156.5 billion by 2025 with CAGR 10.6%. The transportation and mobility sector in India are growing at a rapid pace and there is a surge in the demand for skilled workforce.

A mobility design engineer is expected not only to design but also be critical, analytical and have great problem-solving skills.

Major career options:

- Design Engineer
- Automation Engineer,
- Research Scientist
- Material Engineers
- Industrial Automation Engineer
- Production Engineer
- Railway Engineers

4. B.TECH IN EMBEDDED SYSTEM AND WEARABLE TECHNOLOGY

Wearable devices, smartwatches or any form of smartwear has gained major interest from tech lovers, fitness enthusiasts and have caught interest from the young and old.

Apart from commercial uses, wearable technology is being incorporated into navigation systems, advanced textiles, and healthcare.

Major career options:

- Embedded System Engineer
- IoT Engineer/Trainer
- Robotic Systems Design
- Industrial Automation Engineer
- Automotive embedded engineer
- Hardware Design Engineer
- Firmware Engineer

5. B.TECH IN RENEWABLE AND SUSTAINABLE ENERGY ENGINEERING

The whole world is moving towards sustainable technology. With our core resources depleting and causing damage to our environment and ecosystem, the industry is rapidly moving towards usage of energy saving appliances, electric vehicles, access to solar energy, finding alternatives for plastic usage etc. This field has a promising future given its importance for every individual who are trying to live in an eco-friendly space.

Major career options:

- Power Engineering
- Energy Auditors
- Transportation engineering
- Manufacturing engineering
- Environmental engineering
- Safety engineers
- Civil and construction
- Defence

- Article by Dr Kamal Bansal, Dean, School of Engineering, UPES

LEARNING IN AN ALTERED LANDSCAPE

MILLIONS OF STUDENTS ACROSS THE WORLD ARE GLUED TO THEIR SCREENS TODAY, AND FOR A CHANGE, NOBODY IS ASKING THEM TO STOP. CLASSROOMS ARE NOW IN CYBERSPACE AND THIS SHIFT HAS PROMPTED US TO RETHINK THE NATURE OF EDUCATION. THE PANDEMIC HAS MOST DEFINITELY ALTERED THE LEARNING LANDSCAPE, FORCING THE STAKEHOLDERS TO REWRITE PEDAGOGY AT THE MOST FUNDAMENTAL LEVEL.

The World Economic Forum is terming this shift a "catalyst" that could finally change "centuries-old, lecture-based approaches to teaching, entrenched institutional biases, and outmoded classrooms." Professors are driven to experiment in their classrooms, exploring the various options available on virtual platforms.

This increasing digitization has brought forth interesting analyses from education experts across the world. "If online learning — or a hybrid online/in-person model — extends into the next academic year, the new normal may prove better than the old," says Christine Greenhow, associate professor of educational technology in the College of Education, Michigan State University. Some believe this might lead to a complete overhaul of the education system with remote and online learning occupying the front-seat.

Online learning is by no means, a new field. Education Platforms like Coursera, Edx and Udemy, to name a few have been offering online courses in partnership with prestigious universities across the globe for years now. These courses are self-paced and most times free to audit. Educators now look to these platforms to act as building blocks while structuring a course to be delivered exclusively via the web.

Very few schools and colleges had or used the tools to adapt and deliver education online – the pandemic has changed this. The need for the hour is streamlined, synchronous classes with clear instructions. Online learning can no longer be superficial or even perfunctory, with pre-recorded lectures and set assignments. Education needs to break out of its cocoon to meet the needs of this ever-changing landscape.

Educators need to be technologically competent; they need to have the proficiency to use pre-existing virtual tools to bring in the same level of interaction and learning that is expected in a real classroom. The need to distill our pedagogy also stems from the fact that online learning tends to be more dynamic than in-class learning can be. Students now have the freedom to explore subjects being taught in class simultaneously – they can, when pushed, reach beyond the limits of the textbook. Physical classes, usually do not have this luxury.

In courses where the curriculum focuses on practical learning over theory, the need for this is dire. In addition to using apps like Zoom, Google Classroom and Windows Meeting to conduct live sessions, we need to find ways to mimic a virtual university atmosphere to foster discussion, debate and learning. Colleges like the Indian Institute of Journalism & New Media (IIJNM), Bangalore have been implementing new and existing technology into the classrooms and have witnessed monumental changes. Using an open-source learning management system like Moodle, IIJNM allows

its professors to provide real-time personal feedback to the students in addition to grades and assignments. These platforms provide the option of instituting forums which the professors and students use to talk about topics discussed in class once the allotted hour is done. This is designed to ensure that the students have a semi-formal way to discuss doubts and find solutions like they would in a real classroom.

Controlled interactive sessions, real-time online quizzes and one-on-one online counseling are just some of the ways colleges like IIJNM have succeeded in building a coherent online curricula to suit the demands of the pandemic and beyond.

Sangeetha Alwar

SGT University, Gurugram

The Faculty of Engineering and Technology at SGT University, Gurugram offers academic programmes in prominent Engineering and Technology fields. The School's strong knowledge partnerships and collaborations with industry enable delivery of a curriculum that is relevant and current with industry and academic trends.

Our Methodology

Emphasis on Creativity and Innovation

University curriculum gives importance to 'learning by doing' through hands-on, activity-based exercises. Creativity, Design Thinking and innovation modules are an integral part of the majority of academic programmes offered at The Faculty of Engineering and Technology. Faculty members are also trained in Design Thinking, and they apply these tools in planning classroom sessions and student activities. We follow innovative teaching and learning paradigms.

Focus on Collaborative Learning

At The Faculty of Engineering and Technology, a unique component of student assessment criteria is the Continuous and Comprehensive Evaluation (CCE). The CCE measures students' abilities through their contribution to various activities, team projects and case studies. These modules are structured in ways that make peer learning an integral part of every course. Instruction is designed to engage students in learning experiences that enable them to not only learn concepts but also to develop greater insights towards practical application.

Industry & Academic Affiliations

- Apple– Technical competency assessments to evaluate students' employability skills
- Artificial Intelligence & Machine Learning industry integrated tracks
- The Institution of Engineering and Technology (IET)
- AMERICAN SOCIETY OF HEATING, REFRIGERATION ENGINEERS (ASHRAE)
- Society of Automotive Engineers (SAE)
- American Society of Mechanical Engineers (ASME)

Key Features

- Programme structure is in accordance with Choice Based Credit System (CBCS)
- Students have the option to earn specialised B.Tech. Degree by taking industry integrated tracks.
- Credit transfer from other universities is accepted
- Online MOOCs/ SWAYAM course credits are considered for degree award
- Balanced staff to student ratio of 1:12
- Outcome Based Education (OBE) system to assess the student learning
- Preparation for aptitude tests and placement interviews through prepare program from 3rdSemester onwards
- Encouragement for technical, cultural and sports activities
- Additional certifications to enable students to emerge as multi-skilled

INDUSTRY INTERFACE

The campus has established excellent interface with the corporate world in various sectors. Professional direction for students is offered by Corporate Resource Center through the involvement of key industry professionals, who act as mentors.

Education in India in the times of Covid-19: Planning ahead

In conversation with Mr. Suneel Galgotia, Chancellor, Galgotias University about the future of education, universities and colleges in a country where people will have to, over time, learn to live with coronavirus.

Covid-19 has emerged as the single biggest challenge that the modern world has faced in many decades. With a majority of the countries under preventive lockdown, several functions of everyday life have taken a hit. Education is one of them. Children being most susceptible to infections and educational institutions being crowded places where social distancing goes for a toss, colleges and schools were the first to be shut down. India Today reached out to Mr. Suneel Galgotia, Chancellor, Galgotias University and spoke to him about the future of education, universities and colleges in a country where people will have to, over time, learn to live with the coronavirus.

***Q** Can classrooms remain as congested as they are normally? How can they be decongested considering India's poor education infrastructure?*

I believe that during the COVID19 pandemic, the shift from classroom teaching to online teaching for the delivery of knowledge has been remarkable. Many private universities in India such as ours have quickly adapted to online teaching and learning via video conferencing platforms and learning management systems customized by universities.

> "I am happy to share that while other universities were struggling to figure out how to transition to the digital world, Galgotias University became the first university to conduct India's first online fest where more than 10,000 national and international students participated and got the opportunity to showcase their talent in 50+ events- all this while sitting at home."
>
> **Suneel Galgotia**- *Chancellor*
> **Galgotias University**

Classrooms in universities and colleges, post opening of the lockdown, will have to adhere to the norms of social distancing and students and faculty will have to ensure that the guidelines given by the competent authorities are implemented and duly followed. Extensive sanitisation of classrooms and common areas will be the new normal in educational institutions.

I also feel that the government has been extremely pro-active in managing the epidemic and will be equally conscious of the infrastructure requirements needed for practicing of social distancing in educational institutions. Shift system will need to be implemented to take the load off classrooms, and limitations will need to be imposed on the number of students allowed to be present in each class. Institutions will be required to remain open for all 7 days of the week to make up for the missed classes.

Around 25-30% can also be taught online mode to reduce physical contact. Universities with a strong IT infrastructure will be able to adapt to this new way of teaching.

If we talk about Galgotias, our students are being exposed to more than 40,000+ online lectures, 12,000+ e-learning resources, 3,000+ virtual classroom instances, 4,000+ online assignments, 1,000+ virtual videos and more than 500+ virtual programming labs.

***Q** What about activities like transportation, dining in the mess, living in the hostel, sports, and extra-curricular activities?*

Talking about extra-curricular activities, I am happy to share that while other universities were struggling to figure out how to transition to the digital world, Galgotias University became the first university to conduct India's first online fest where more than 10,000 national and international students participated and got the opportunity to showcase their talent in 50+ events- all thiswhile sitting at home. This is the first time in India that an event on this scale has been executed online.

As far as transportation is concerned, management teams in institutions will need to ensure proper distancing and there will be a need to regulate and rework the number of students allowed in a vehicle at a time. All vehicles that will be used for students shall need to be sanitized and their overall numbers increased to ensure smooth flow of operations and maximum hygiene.

All major sporting events will have to be cancelled in the immediate future. However, institutions can possibly allow individual sports or those that involve less than 5 people, such as squash, table tennis, tennis, golf and badminton. Team sports such as cricket, football, basketball will need to be reviewed and rules of social distancing applied before they are allowed to be carried on undeterred.

Apart from this, staggered meal timings in the mess/canteen will need to be ensured during dining hours and mess management teams will need to maintain a proper waste disposal mechanism and hygiene in sensitive areas.

***Q** What will be impact on laboratories in science streams?*

Lab activities are done on open source simulation software around the world and in India, virtual laboratories and fully interactive simulations are used for practical assessments. They allow the students to perform experiments, collect data and answer questions to assess their understanding. These virtual labs combine animations, illustrations, and videos to support and convey key information, and engage, inform and educate students in a manner that is very close to actual experiments.

Our students from Computer Science, Electrical Engineering, Civil Engineering, and also Microbiology and other basic sciences are using virtual labs and gaining knowledge without compromising on the quality of education.

***Q** How do you think examinations will take place and exam centres managed?*

Examinations are important to assess the understanding levels of students but there needs to be a radical change in the way they would be conducted henceforth. I believe the conventional ways pen and paper exams would need to be replaced online assessment tools equipped to handle any format of questions and answers. This will not only reduce contact of students in exam halls but will also help faculty assess the student online from any location. This process is not only safe but also effective in times of a pandemic and beyond. Online software are also now available with provisions to tackle issues of impersonation, unfair means and various aspects of cheating so as to ensure fair examinations for all stakeholders.

With a recent study by a top research company showing that online education will take a leap with numbers reaching almost 10 million by next year, institutions that do not adapt to technology will need to upgrade their IT infrastructure ASAP, not just for classes but also for examinations and assessments.

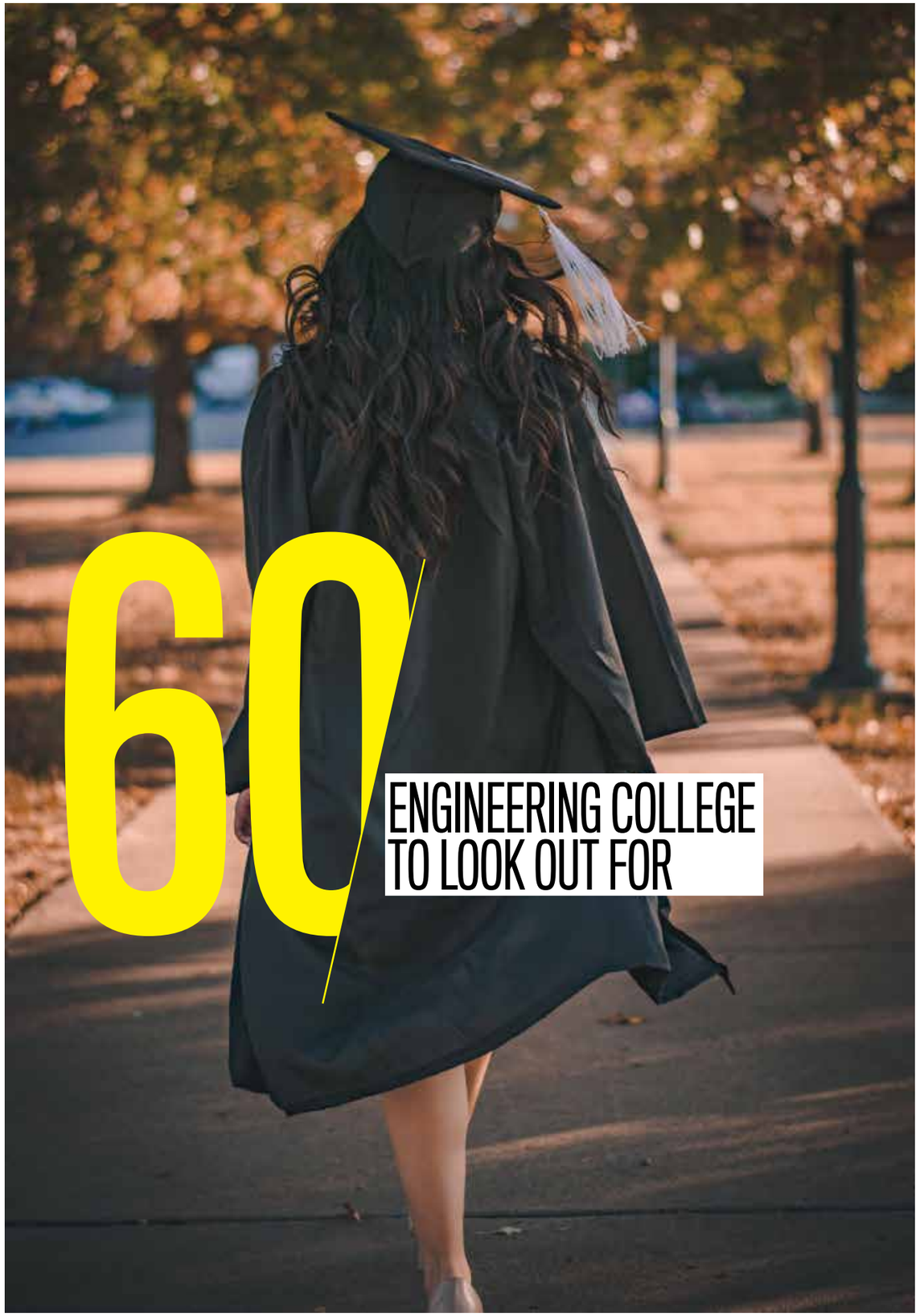
***Q** How are teachers upgrading their skills?*

This pandemic has given us many difficulties but with every challenge come an opportunity. The faculty at Galgotias, apart from teaching students online and taking their assessments and presentations, is also upgrading its skills by taking part in various virtual development programs, digital workshops, online certifications courses, etc., and accessing several open courses from the best institutions. This is being done to ensure that the lockdown does not affect their delivery and their knowledge not only increases but also help them grow.

At Galgotias, we have always had tie-ups with several subject matter experts to ensure that our faculty is trained and assessed from time to time to remain in sync with the latest in the field of education.

***Q** How will hostel accommodations be managed and social distancing and safety ensured?*

I feel hostel rooms will need to be changed to single capacity with independent AC units installed in each room. Sanitization of the common areas and activity rooms will have to be done on a regular basis. Gyms and other activities involving more than 4-5 people will need to be avoided till the situation gets better. Regular medical assessments of each hosteller and 24/7 medical helpdesk for quick response in case of emergencies/symptoms will need to be set up, with a protocol in place to ensure correct handling of cases.



60 ENGINEERING COLLEGE TO LOOK OUT FOR

ENGINEERING COLLEGES/UNIVERSITIES LISTINGS

NAME OF COLLEGE	CITY	COURSES OFFERED	USP	WEBSITE
ABES Engineering College (ABESEC)	GHAZIABAD UTTAR PRADESH	Engineering, Management	The Centre of Excellence for Teaching and Learning (CETL) conducts professional development activities that help enhance the quality of teaching of the faculty	**abes.ac.in**
Accurate Institute of Management and Technology	GREATER NOIDA, UTTAR PRADES	Engineering, Management, Polytechnic, Pharmacy	The teaching-learning methodology is a unique mix of imagination, innovation and challenges that helps in all-round development of engineering students	**accurate.in**
Ajay Kumar Garg Engineering College (AKGEC)	GHAZIABAD, UTTAR PRADESH	Engineering, Management	AKGEC is India's first college to set-up Industrial Robotic Training Centre in collaboration with Kuka Robotics of Germany which offers training in robotic applications	**akgec.in**
Alliance College of Engineering and Design, Alliance University	BENGALURU, KARNATAKA	Engineering , Management	The institute has partnerhips with foreign universities for student exchange, internships and short-term certification programmes	**alliance.edu.in**
Amity University	GREATER NOIDA, UTTAR PRADESH	Engineering , Management, Fashion, Journalism	Tie-ups with leading industries for continuous experiential learning and conduct projects	**amity.edu**
Amrita Vishwa Vidyapeetham University	COIMBATORE, TAMIL NADU	Engineering , Management, Mass Communication	The institute continuously collaborates with top US universities including Ivy league universities and top European universities for regular student exchange programmes	**amrita.edu**
Apeejay Stya University	SOHNA ROAD, HARYANA	Engineering , Management, Pharmacy, Journalism	A strong focus on trans-disciplinary approach of learning and research across all programmes and disciplines	**university.apeejay.edu**
BML Munjal University	GURGAON, HARYANA	Engineering , Management, Law	Their collaborations with the best universities ensure that students get the best learning experience which is modern, experiential and truly global	**bml.edu.in**
Bharath Institute of Science and Technology (BIST), Bharath Institute of Higher Education and Research (BIHER)	CHENNAI, TAMIL NADU	Engineering, Management, Law	The institute also offers guidance to students preparing for national level entrance tests such as GATE, IES and GRE	**bharathuniv.ac.in**
Faculty of Engineering & Technology, AKS University	SATNA, MADHYA PRADESH	Engineering, Management, Pharmacy	In addition to the four-year B Tech programmes, the institute also offers 3-year Diploma programmes in mechanical, civil and electrical engineering	**aksuniversity.ac.in**
Faculty of Engineering and Technology, Kalinga University	RAIPUR, CHHATTISGARH	Engineering , Management, Law, Interior Designing, Journalism, Pharmacy	The institute offers value addition programmes on computer application, training on 2D& 3D design, robotics and e-commerce	**kalingauniversity.ac.in**
Faculty of Engineering and Technology, Reva Univeristy	BENGALURU, KARNATAKA	Engineering , Management, Law, Mass Communication	The university has a partnership with Entrepreneurship Development Institute of India (EDII), Ahmedabad to foster the entrepreneurship culture on campus	**reva.edu.in**
Faculty of Engineering & Technology, SGT University	GURGAON, HARYANA	Engineering , Management, Law,Medical, Fashion Designing, Journalism, Pharmacy	The Learners' Centric Academic Environment has adapted to unique techniques such as flexible-slot-based timetable, and flexible research integrated credit system	**sgtuniversity.ac.in**
Faculty of Engineering, Christ University	BENGALURU, KARNATAKA	Engineering , Management, Law, Architecture	With students coming from across India and around 60 different countries, the institution is a living example for multiculturism	**christuniversity.in**

ENGINEERING COLLEGES/UNIVERSITIES LISTINGS

NAME OF COLLEGE	CITY	COURSES OFFERED	USP	WEBSITE
Galgotias College of Engineering & Technology	GREATER NOIDA, UTTAR PRADESH	Engineering , Management, Pharmacy	The college provides state-of-the-art infrastructural facilities that support achieving academic excellence	**galgotiacollege.edu**
Galgotias University	EXPRESSWAY, GREATER NOIDA	Engineering, Law, Management, Medical, Fashion, Journalism, Pharmacy, Hospitality	Encourage life-long learning and team-based problem solving skills to students through an enabling environment	**galgotiasuniversity.edu.in**
Faculty of Engineering, Design and Automation, GNA University	PHAGWARA, PUNJAB	Engineering , Management, Hotel Management	Each programme at the institute is a rich mix of foundation courses, core courses, elective courses, interdisciplinary course and life skill courses designed as per industry needs	**gnauniversity.edu.in**
G L Bajaj Institute of Technology and Management	GREATER NOIDA, UTTAR PRADESH	Engineering, Management	Multinationals such as BOSCH, Capegemini, Ashok LeyLand and TechMahindra come on campus for placements	**glbitm.org**
GITAM Institute of Technology (GIT)	VISAKHAPATNAM, ANDHRA PRADESH	Engineering, Management	The curriculum is designed by academic experts from renowned institutes and industry personnel	**vspgit.gitam.edu**
Gokaraju Rangaraju Institute of Engineering and Technology (GRIET)	HYDERABAD, TELANGANA	Engineering, Management	The Finishing School has been launched to help academically weak students	**griet.ac.in**
Greater Noida Institute of Technology (GNIOT)	GREATER NOIDA, UTTAR PRADESH	Engineering , Management, Pharmacy	Few of the top recruiters come on campus are Infosys, Reliance, American Express, Axis Bank, Accenture and Jaypee Group	**gniotgroup.edu.in**
Hindustan Institute of Technology and Scince (HITS)	CHENNAI, TAMIL NADU	Engineering , Management, Law, Architecture	HITS has collaborative partnerships with leading universities in the US, Singapore and Australia to conduct students' as well as faculty exchange programmes	**hindustanuniv.ac.in**
ICFAI Tech School (ITS)	HYDERABAD, TELANGANA	Engineering, Management	ITS allows academic flexibilities to meritorious students	**ifheindia.org**
Inderprastha Engineering College	GHAZIABAD, UTTAR PRADESH	Engineering, Management	The college offers a blend of traditional and modern teaching techniques with focus on research in the leading areas of science and technology	**ipec.org.in**
Institute of Aeronautical Engineering (IARE)	HYDERBAD, TELANGANA	Aeronautical Engineering, Fashion Designing Management,	The institute has twelve sponsored research projects for which it has received grants of worth `258 lakh from several agencies such DST, AICTE and UGC	**iare.ac.in**
Institute of Engineering and Technology, GLA University	MATHURA, UTTAR PRADESH	Engineering , Management, Law, Pharmacy	The training and placement cell organises frequent industrial tours to prepare students for job market	**gla.ac.in**
Institute of Technology, Shri Ramswaroop Memorial University	BARABANKI, UTTAR PRADESH	Engineering , Management, Law, Architecture, Mass Communication	Performance-based scholarships are awarded to students to encourage them excel in their acadmeics in their respective field	**srmu.ac.in**
Jain University School of Engineering and Technology (JU-SET)	BENGALURU, KARNATAKA	Engineering , Management	A number of research & development activities are in progress within different departments in the areas of design and manufacturing.	**set.jainuniversity.ac.in**
Jaypee Institute of Information Technology (JIIT)	NOIDA, UTTAR PRADESH	Engineering , Management	JIIT conducts tutorials on problem solving that help students develop research for solutions and convert ideas into reality	**jiit.ac.in**

ENGINEERING COLLEGES/UNIVERSITIES LISTINGS

NAME OF COLLEGE	CITY	COURSES OFFERED	USP	WEBSITE
Jaypee University of Information Technology(JUIT)	SOLAN, HIMACHAL PRADESH	Engineering , Management, Humanities	JUIT has tie-ups with University of California, Berkeley, University of Florida, International Center, Gainesville, Florida, US, to name a few	**juit.ac.in**
K C College of Engineering and Management Studies and Research	THANE, MAHARASHTRA	Engineering , Management	A series of technical and cultural activities are held on campus that keeps students engaged round the year	**kccemsr.edu.in**
Krishna Institute of Engineering and Technology (KIET)	GHAZIABAD, UTTAR PRADESH	Engineering , Management	KIET often provides training and mentoring to students, faculty & staf to help them excel in their current and future roles within the institute	**kiet.edu**
KR Mangalam University	SOHNA ROAD, GURUGRAM, HARYANA	Engineering , Management, Fashion designing, Mass Communication Hospitality	The university has 60 fully-equipped state-of-the-art laboratories	**krmangalam.edu.in**
Lovely Professional University	PHAGWARA, PUNJAB	Engineering , Management, Law, Fashion Technology, Journalism, Pharmacy,	Graduates are prepared to be lifelong learners with strong analytical and leadership skills	**lpu.in**
Manav Rachna International Institute Of Research and Studies	FARIDABAD, HARYANA	Engineering , Management, Law, Architecture, Hotel Management	389 patents have been granted and more than 4300 research papers have been published in national and international journals	**manavrachna.edu.in**
Mody University	ADAWALA, RAJASTHAN	Engineering , Management, Fashion Technology, Architecture	A platform for women where they transform knowledge to practice and also develop their technical skills and leadership quality	**modyuniversity.ac.in**
Maharishi Markandeshwar University (MMU)	AMBALA, HARYANA	Engineering , Management, Law,Medical, Pharmacy, Hospitality	There are experienced foreign faculty at MMU	**mmumullana.org**
Noida Institute of Engineering & Technology (NIET)	GREATER NOIDA, UTTAR PRADESH	Engineering , Management, Pharmacy	NIET in association with Mercedes-Benz is offering a one-year residential advanced diploma programme on Automotive Mechatronics	**niet.co.in**
NIIT University	DISTRICT ALWAR, NEEMRANA	Engineering, Management	NIIT has partnerships with industries to train students to be future global leaders	**niituniversity.in**
School of Engineering, Presidency University	BENGALURU, KARNATAKA	Engineering , Management, Law	Besides academics, the institute encourages equal participation in co-curricular activities for overall development of the students	**presidencyuniversity.in**
Ramaiah Institute of Technology	BENGALURU, KARNATAKA	Engineering , Management, Humanities	One of the oldest engineering institutes, has more than 40 collaborations including foreign universities, research centres and companies	**msrit.edu**
Shiv Nadar University	GREATER NOIDA, UTTAR PRADESH	Engineering , Management, Humanities	Environmental consciousness, sustainability, and prudent management of natural resources as central tenets of the construction and operation of the university	**snu.edu.in**
Dr C V Raman University	KOTA, BILASPUR	Engineering , Management, Law, Pharmacy, Journalism	To provide quality education and make provisions for research work to enhance career development	**cvru.ac.in**

ENGINEERING COLLEGES/UNIVERSITIES LISTINGS

NAME OF COLLEGE	CITY	COURSES OFFERED	USP	WEBSITE
School of Engineering and Informationa Technology, Sanskriti University	MATHURA, UTTAR PRADESH	Engineering , Management, Fashion designing, Pharmacy, Agriculture, Law	Sanskriti University Incubation Centre provides a platform that encourages, supports and fosters new technologies that transform lives and businesses.	**sanskriti.edu.in**
Sathyabama Institute of Science and Technology	CHENNAI, TAMIL NADU	Engineering , Management, Law,Medical, Fashion designing, Pharmacy	world class laboratories and research facilities and is involved in research in the emerging areas of Science and Technology.	**sathyabama.ac.in**
School of Engineering and Technology, Jaipur National University	JAIPUR, RAJASTHAN	Engineering , Management, Law, Fashion Designing,	The college has state-of-the-art laboratories with advanced equipment to impart training in modern practices	**jnujaipur.ac.in**
Sharda University	GREATER NOIDA, UTTAR PRADESH	Engineering , Management, Law,Medical, Architecture, Pharmacy	Focus on strong mentor-mentee relationship which enhance overall personality of students and equip them to face future challenges	**sharda.ac.in**
Shobhit University	MODIPURAM, MEERUT	Engineering , Management, Law,Pharmacy Mass Communication	The teaching learning methodology is based on case studies, role-plays, and simulations	**shobhituniversity.ac.in**
SRM Institute of Science and Technology (SRMIST)	KATTANKULATHUR, TAMIL NADU	Engineering , Management, Law, Medical	50 members from top universities across the world including MIT, Stanford, UC Berkeley, Cambridge and NUS are part of SRMIST	**srmuniv.ac.in**
SRM Institute of Science and Technology (SRMIST)	SONEPAT, HARYANA	Engineering , Management, Law,Medical, Fashion designing, Pharmacy	SRMH Scholar Search Programme', an applicant may qualify for a scholarship up to 100% on the University Tuition Fee.	**srmuniversity.ac.in**
Swami Keshvanand Institute of Technology, Management (SKIT)	JAIPUR, RAJASTHAN	Engineering , Management, Humanities Pharmacy	SKIT is putting in efforts for making industry ready engineers and managers through effective Industry – Institute Interface	**skit.ac.in**
Swami Vivekanand Subharti University	MEERUT UTTAR PRADEESH	Engineering , Management, Law,Medical, Fashion designing, Pharmacy	The college has state-of-the-art laboratories with advanced equipment to impart training in modern practices	**subharti.org**
Symbiosis International (Deemed University)	PUNE, MAHARASHTRA	Engineering , Management, Law, Mass Communication	To facilitate transformative global learning, innovative and interdisciplinary scholarship, and cross-cultural engagement opportunities for all	**siu.edu.in**
Thiagarajar College of Engineering	MADURAI, TAMIL NADU	Engineering, Management	The institution has academic excellence in science, engineering and technology	**tce.edu**
United College of Engineering and Research	ALLAHABAD, UTTAR PRAESH	Engineering, Management, Pharmacy,	The United Group of Institutions has eight established institutes in Allahabad and Greater Noida	**united.ac.in**
University of Petroleum and Energy Studies(UPES)	DEHRADUN, UTTRAKHAND	Engineering , Management, Pharmacy,	Industry alliances with IBM, Microsoft, Xebia, L&T, Tata Power, CISCO & more, offering placements and industry expertise	**upes.ac.in**
University Institute of Engineering (UIE), Chandigarh University	MOHALI, PUNJAB	Engineering, Management	UIE has partnerships with more than 90 universities abroad for summer exchange, and research and development programmes	**cuchd.in**
Vels Institute of Science, Technology & Advanced Studies (VISTAS)	CHENNAI, TAMIL NADU	Engineering , Management, Mass Communication, Pharmacy	The curriculum is designed in a fashion that majorly focuses on collaborative learning and teamwork students and faculty	**velsuniv.ac.in**
VIT Chennai	CHENNAI, TAMIL NADU	Engineering , Management, Law	Students come from 50 di‹erent countries across globe	**chennai.vit.ac.in**
VIT Bhopal	BHOPAL, MADHYA PRADESH	Engineering , Management	The institute has mandatory soft skill training sessions as part of the curriculum for better placement prospects	**vitbhopal.ac.in**