About the B.Tech Programmes

Bachelor of Aerospace Engineering

The B.Tech programme in Aerospace engineering offered by IIAEM, is unique due to the fact that there are very few institutions in the country which offer such a programme. The curriculum of the programme is designed to meet the requirements of Aerospace organizations and its associates engaged in either production or R&D. While framing the detailed syllabus of the programme many salient features of curricula followed at IITs and other front runner institutions have been adopted. The courses are conceived and designed to prepare Aerospace Engineering graduates with sound knowledge in Aeronautics and Space technology. Towards this end experienced faculty members who worked in industry and R&D offer courses on design of Aircraft and its systems like Avionics, Engines, rockets, satellites and missiles. The Graduates will have exciting, wideranging and challenging placement opportunities and will also have an excellent professional career growth.

Many leading aerospace organizations have extended their support to conduct the programme at Jain University. The students will also have the opportunity to carry out the project work in these organizations. A special feature of the programme is the Flight Lab Course arranged at IIT (Kanpur) as part of the B.Tech programme. This will provide an exposure to students for conducting experiments in Cessna aircraft and Glider and monitoring the flight performance in real time.

Bachelor of Information Science & Engineering

Computers have come a long way from being mere calculators to life driving devices, thanks to the inroads in the digital technology. This programme gives the students a firm footing into the intricacies of this technology such as circuits, design, structures, languages, processors, operating systems, database management, simulation, modeling etc. which are at the heart of any application of computer.

Bachelor of Computer Science Engineering

The computer science engineering programme focuses on both the hardware and software of computer systems. It promotes an understanding of software design practice and of the technologies that enable designs to be physically realized. It is highly relevant to a world of rapid development in areas such as telecommunications and embedded systems (which now represent over 95% of all computer systems). This programme provides the basis for a challenging & rewarding career at the forefront of technological innovations in computing.

Bachelor of Electronics & Communication Engineering

The Bachelor of Technology (Electronics and Communications) programme combines the fundamental Engineering disciplines of electronic systems and communication systems to provide graduates with skills in all aspects of analogue and digital circuit design, and communications systems development.

Bachelor of Mechanical Engineering

The degree provides students with a balance of intellectual and practical experiences that enable them to address a variety of societal needs. Our programme at the undergraduate level prepares students for entry level work as mechanical engineers or for post graduate study in Engineering or in another discipline where a fundamental Engineering background constitutes a desirable foundation.

With a solid grounding in the principles and practice of mechanical engineering, our graduates are ready to engage in ethical approaches to engineering, with concern for society and the environment.

Bachelor of Civil Engineering

The civil engineering programme provides a solid foundation for practice in both classical and newly developing areas of civil engineering, including structural analysis and design, engineering materials, geotechnical analysis and design, sustainable built environments, and transportation and logistics. It also provides a solid foundation for graduate studies and a direct transition to the master of technology programme.

Bachelor of Electrical & Electronics Engineering

This programme embraces both electrical and electronic engineering and hence provides graduates with a wide range of fundamental knowledge in core disciplines such as communications, control systems, signal processing, radio frequency design, microprocessors, microelectronics, power generation and electrical machines. Emphasis is placed on underlying principles and techniques so that graduates will be able to learn and seamlessly adapt to new technologies when they emerge to face future challenges.