



Mangalmai Institute of Engineering & Technology

AN INSTITUTION OF MANGALMAI FOUNDATION TRUST

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Institutional Distinctiveness

MIET, Greater Noida has a very systematic teaching and learning process in the institute which typically involves several steps and stages, including the following: The institute perceives the facts that a systematic teaching and learning process must be designed in such a way to provide students with a comprehensive and practical education that prepares them for successful careers in their chosen field.

Research, Innovation and Extension Practices

Research, innovation, and extension practices are integral components of MIET that allow students and faculty members to contribute to the field of engineering by producing innovative solutions and advancing the knowledge base. Research is one of the primary functions of MIET. It is a systematic investigation to discover new knowledge or to develop new technologies that solve real-world problems. The research activities in the institute are usually conducted by the faculty members and students, and they may collaborate with other institutions or industries. The research areas in the institute include various fields such as computer science, Artificial Engineering and Data Science etc. Innovation is another important aspect of the institute. Innovation refers to the process of creating something new or improving an existing product or service. In the institute, innovation takes many forms, including new product development, process improvement, and technology transfer and setting up incubation cell and entrepreneurship cell. Innovation requires a creative mindset, and it involves identifying new opportunities, developing new ideas, and implementing them effectively. Extension practices refer to the dissemination of information and knowledge to the wider community, including industry, government, and society. These activities help to bridge the gap between the academic world and the real-world applications of engineering. There are various researches, innovation, and extension practices that are commonly employed in institute.

Placement & Leadership Programme

Placement and leadership programs are an integral part of MIET, aim at providing students with the skills and knowledge required to succeed in their professional careers. These programs are designed to bridge the gap between classroom education and industry requirements, enabling students to develop the necessary skills to thrive in a competitive job market.

Placement programs of the institute are typically involving collaboration between the college and industry partners, who provide students with opportunities to participate in internships, co-op programs, and job shadowing. These programs enable students to gain real-world experience in their chosen field and to build a professional network that can be leveraged to secure employment upon graduation.

Leadership programs, on the other hand, focus on developing the soft skills required to succeed in a leadership role. These programs typically involve workshops and seminars on various



related topics. Leadership programs also provide opportunities for students to take on leadership roles and to participate in community service activities.

Combining placement and leadership programs can provide a powerful combination that enables students to not only secure employment but also to thrive in their chosen profession. By gaining hands-on experience in their chosen field and developing the necessary soft skills to lead and succeed in a team environment, students can position themselves for success both in the short term and over the course of their careers.

In addition to providing benefits to students, placement and leadership programs also benefit employers, who are able to recruit top talent and develop a pipeline of skilled professionals for the future. By partnering with engineering colleges to provide internships, co-op programs, and job shadowing opportunities, employers can identify and develop the best and brightest talent, helping to ensure their future success.

In conclusion, placement and leadership programs play a vital role in the education of engineering students. By providing opportunities for students to gain real-world experience and develop the soft skills required to succeed in a leadership role, these programs help to bridge the gap between classroom education and industry requirements, positioning students for success both in the short term and over the course of their careers.

Experiential Learning and Labs Practical in Engineering College

Experiential learning and laboratory practical play a crucial role in the education of engineering students. They provide a hands-on experience that complements the theoretical knowledge gained in the classroom, and enable students to apply what they have learned in a real-world setting.

The Institute understands that there are several benefits to experiential learning and labs practical hence special impetus is always given on this area which includes:

- 1.Improved Understanding: Practical experience helps students understand complex theories and concepts that they might struggle to grasp in a classroom setting.
- 2.Enhance Problem Solving Skills: By working on projects in the laboratory, students learn to troubleshoot problems and find creative solutions to technical challenges.
- 3.Career Readiness: Hands-on experience in the laboratory can help prepare students for the demands of the workplace and provide them with practical skills and knowledge that they can apply in their future careers.
- 4.Collaboration and Communication: Working in groups on laboratory projects helps students develop teamwork and communication skills, which are essential for success in engineering careers.



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5. Personal Growth: Laboratory practical offer students the opportunity to develop practical skills, confidence, and independence as they work on projects and experiments.

Overall, experiential learning and laboratory practical are an essential component of engineering education, and play a significant role in shaping the future of the profession for which MIET is very much concerned about.