

MANGALMAY GROUP OF INSTITUTIONS



THE FUTURE IS HERE

ARTIFICIAL INTELLIGENCE
DATA SCIENCE
CLOUD COMPUTING
NETWORKING
CYBER SECURITY
ETHICAL HACKING



B.TECH

MANGALMAY INSTITUTE OF ENGINEERING & TECHNOLOGY

Mangalmay Institute of Engineering & Technology (MIET) provides a comprehensive four-year full-time B. Tech program in Computer Science Engineering (CSE), Computer Science Engineering - Artificial Intelligence (AI), and Computer Science Engineering - Data Science (DS). This program is duly approved by the All-India Council for Technical Education (AICTE), Ministry of Education, Government of India, and is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow.

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MIET employs a well-established pedagogical approach to disseminate knowledge to the dynamic and youthful minds of the nation. The institute proudly has faculty enriched with experienced professionals who are knowledgeable, capable and dedicated of the very high repute and esteem. With top-notch infrastructure facilities and innovative teaching methods, MIET provides an optimal platform for students to excel in the realm of Computer Science & Engineering. Additionally, MIET empowers students to choose subjects of their interest alongside core subjects, even from different disciplines, as outlined in the university's curriculum. The institute aspires to transform itself into a Center of Excellence by promoting innovation, creativity, and reform for the benefit of its students. MIET is committed to delivering high-quality training and research while actively sponsoring collaboration between industry and academia. The institute engages in supported research projects and consultancy services, collaborating with entities such as IBM, IIT Kanpur, Future-Zen group, ICT Academy, UiPath, Farelabs, Voltrans Energy, and more. The curriculum at MIET integrates various engineering domains, connecting mathematics and science with humanities and entrepreneurship. It emphasizes the development of a diverse set of life skills crucial for a successful career.

Following the curriculum of Dr. A.P.J. Abdul Kalam Technical University, Lucknow, MIET employs an innovative approach that grants students the freedom to choose from a variety of options, allowing them to explore and apply their talents in pursuit of their predefined career goals. The institute maintains regular interactions with industry professionals, offering specially designed courses, modules, workshops, seminars, field projects, internships, and educational visits for the benefit of its students. MIET adopts a research-driven education system to impart knowledge to its students.



THE FUTURE IS HERE

CREATING FUTURE LEADERS

ARTIFICIAL INTELLIGENCE
 DATA SCIENCE
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ADD-ON TRAINING

INDUSTRY ORIENTED INNOVATION LABS & TRAINING PROGRAMME:

At Mangalmai, we shape and educate future professionals of the nation equipped with future technological skills to build the future of their dreams. Hence, the Department of Engineering & Technology offers 34 additional trainings to the students of B.Tech.



**PROUD TO
 BE MIETIAN**

Java	SAP(weekend classes only)
.Net	MSBI
PHP	MySql (For Group only)
C & C++	Oracle DBA
Android	Oracle Developer
Digital marketing (3-4 Months)	Big Data Hadoop
Web Designing	Java (6W) with Big Data Hadoop (6W)
IOS	Sql Server
Python	SAS (Base + Advance)
Software Testing (Manual)	SAS Analytics
Software Testing (QTP)	Linux
Software Testing (Selenium)	MCITP (5 Modules)
Software Testing (Manual + Selenium)	MCSA (3 Modules)
Software Testing (Manual + QTP)	Active Directory (1 Module)
Networking	ITIL
Cloud computing	ITIL with Certificate

INDUSTRY ORIENTED INNOVATION LABS & TRAINING PROGRAMME

At Mangalmay, we are dedicated to shaping and educating the future professionals of our nation, arming them with the essential technological skills needed to construct the future they envision. Our institute offers a variety of additional value-added and short-term courses to enhance students' knowledge in alignment with industry demands. These programs primarily focus on domains such as Computer Science, Data Science, and Artificial Intelligence. The content delivered during these courses goes beyond standard syllabi, catering to the industry's current requirements. Our institute's primary goal is to ensure that every student becomes employable, aligning with the latest trends and market demands.

Industry-oriented innovation labs and training programs bridge the gap between academia and real-world challenges. These labs serve as dynamic hubs where students and professionals collaborate on cutting-edge projects, nurturing creativity and problem-solving skills. Personalized training programs provide hands-on experience, aligning with industry needs and promoting skill development. By involving participants in practical, industry-relevant projects, these initiatives cultivate a habit to adept at applying theoretical knowledge to real-world scenarios. As a result, individuals emerge with a deep understanding of industry dynamics, ensuring a seamless transition from the classroom to the professional landscape.



B.TECH

Awards & Recognition

Ranked 15th

for Engineering by Amar Ujala & IMRB International Education Survey

Academic Excellence Award

in technical education for engineering by All India Technical and Management Council





COMPUTER SCIENCE & ENGINEERING (B. TECH-CSE)

One of the most trending disciplines among engineering aspirants is Computer Science & Engineering. This branch involves the study of computer programming languages, software development, algorithm design, and networking, among other aspects. A student specializing in Computer Science & Engineering would acquire knowledge in the design and management of information systems, encompassing both hardware and software components. Upon successful completion of a B.Tech degree, students have numerous career options. The following are some prominent career paths for computer engineers:

- **Software Developer**
- **System Designer**
- **Networking Engineer**
- **Cloud Developer**
- **Cloud System Administrator**
- **System Analyst**
- **Hardware Engineer**
- **Database Administrator**
- **Data Analyst**
- **Network Security Expert.**

CSE - ARTIFICIAL INTELLIGENCE (B. TECH - CSE (AI))

Artificial Intelligence (AI) in today's world revolutionizes computing by enabling machines to emulate human intelligence. Through algorithms and data analysis, AI systems learn, reason, and adapt, performing tasks such as speech recognition, problem-solving, and decision-making. Transforming industries, AI enhances efficiency, accuracy, and innovation, shaping a future where intelligent machines augment and amplify human capabilities.

AI is the expansive branch of computer science focused on constructing intelligent machines capable of performing tasks at a human-like level of intelligence. As technologies like AI continue to advance, their impact on our quality of life becomes increasingly significant. It's only natural that everyone today seeks to engage with AI technology, whether as an end-user or by pursuing a career in Artificial Intelligence—a dream path for many computer science engineering students in recent times.

Artificial Intelligence (AI) is rapidly reshaping our environment. The surges in AI capabilities have given rise to a variety of new products, such as self-driving cars and connected Internet of Things devices in our homes. AI is even contributing to the development of a brain-controlled robotic arm, facilitating a paraplegic person to experience sensation again through intricate direct human-brain interfaces. From commerce and healthcare to transportation and cybersecurity, these AI-enabled solutions are revolutionizing and benefiting nearly every aspect of our society and economy.

Career in AI

AI engineers have a wide range of career options due to the growing demand for AI technologies across various industries. Here are some potential career paths for AI engineers:

Machine Learning Engineer:

- Focuses on developing and implementing machine learning algorithms and models.
- Works on tasks such as data preprocessing, feature engineering, model training, and evaluation.

Data Scientist:

- Analyzes and interprets complex data sets to inform business decision-making.
- Uses statistical techniques and machine learning algorithms to extract insights and predictions from data.

Computer Vision Engineer:

- Specializes in developing algorithms and models for interpreting and making decisions based on visual data.
- Applications include image and video recognition, object detection, and facial recognition.

Natural Language Processing (NLP) Engineer:

- Works on technologies that enable computers to understand, interpret, and generate human language.
- Applications include chatbots, language translation, sentiment analysis, and text summarization.

Robotics Engineer:

- Designs and develops intelligent systems for controlling robots.
- Integrates AI and machine learning to enable robots to perceive their environment and make decisions.

AI Research Scientist:

- Conducts research to advance the field of AI, exploring new algorithms, models, and techniques.
- Often found in academia, research institutions, or industrial research labs.

AI Product Manager:

- Bridges the gap between technical and non-technical teams.
- Defines the strategy and roadmap for AI products, ensuring alignment with business goals.

AI Consultant:

- Works with organizations to understand their needs and recommends AI solutions.
- Provides expertise on implementing AI technologies to enhance business processes.

AI Ethics and Bias Officer:

- Focuses on ensuring the ethical use of AI technologies.
- Addresses issues related to bias, fairness, and transparency in AI systems.

AI Software Developer:

- Designs and implements software systems that incorporate AI components.
- Works on integrating AI capabilities into existing software applications.

AI Hardware Engineer:

- Specializes in designing hardware architectures optimized for AI workloads.
- Involves working on specialized hardware like GPUs, TPUs, and custom AI accelerators.

AI Trainer/Annotator:

- Prepares and labels datasets for training machine learning models.
- Ensures the quality and relevance of data used in AI applications.

The field of AI is dynamic and interdisciplinary, offering numerous opportunities for specialization and career growth. AI engineers can choose paths based on their interests, skills, and the specific industry they want to impact. Ongoing learning and staying updated with the latest developments in AI are crucial for success in this field.

MIET offers a B.Tech program in AI to provide students with exposure to this vast and fascinating field.

CSE - Data Science (B.Tech - CSE (DS))

In the dynamic landscape of the digital era, data has emerged as the new currency, driving innovation and decision-making across industries. The field of Data Science Engineering stands at the forefront of this data revolution, equipping individuals with the skills and knowledge to extract valuable insights from vast datasets. This multidisciplinary field combines elements of computer science, statistics, and domain-specific expertise to unravel patterns, predict trends, and solve complex problems. A Data Science Engineering course provides a comprehensive foundation for individuals aspiring to navigate the complexities of big data and make meaningful contributions to the evolving technological landscape.

Benefits of Data Science Engineering Course:

- **High Demand in the Job Market:** Data Science is one of the fastest-growing fields, and organizations worldwide are actively seeking professionals with expertise in this domain. Completing a Data Science Engineering course opens up diverse career opportunities, ranging from data analysts to machine learning engineers and data scientists.
- **Versatility Across Industries:** The skills acquired in a Data Science Engineering course are applicable across a wide array of industries, including finance, healthcare, e-commerce, manufacturing, and more. Graduates can seamlessly transition between sectors, making them adaptable and versatile professionals.
- **Informed Decision-Making:** The course equips individuals with the ability to turn raw data into actionable insights. Organizations rely on data-driven decision-making, and Data Science Engineering graduates play a pivotal role in enabling informed choices that can impact business strategy, efficiency, and competitiveness.

- **In-depth Technical Skills:** Students delve into a curriculum that encompasses programming languages like Python and R, statistical modeling, machine learning algorithms, and data visualization techniques. This hands-on technical training ensures that graduates possess the skills required to tackle real-world data challenges.
- **Problem Solving and Critical Thinking:** Data Science Engineering courses emphasize problem-solving methodologies and critical thinking skills. Graduates are trained to approach complex issues systematically, dissecting problems, and developing innovative solutions through data analysis.
- **Harnessing Big Data Technologies:** With the increasing volume and complexity of data, the course often includes exposure to big data technologies such as Hadoop and Spark. This prepares graduates to handle and analyze massive datasets efficiently, a crucial skill in contemporary data science.
- **Continuous Learning and Adaptation:** The field of data science is constantly evolving. A Data Science Engineering course instills a mindset of continuous learning, empowering individuals to stay updated with the latest technologies and methodologies in the ever-changing landscape of data science.
- Employers value candidates who bring a data-driven approach to problem-solving. Completing a Data Science Engineering course gives graduates a competitive edge in the job market, showcasing their proficiency in a skill set that is highly sought after.

MIET's Data Science Engineering course provides a gateway to a rewarding and impactful career, where individuals are equipped to navigate the complexities of data and contribute to advancements in technology and decision-making processes across various industries.

An ISO 14000 certified institute, officially approved by AICTE and Affiliated to AKTU, is located at Knowledge Park (II), Plot No. 8&9 in Greater Noida. The institute is conveniently situated, just a 35-minute drive from Delhi via a 12-lane Expressway and a mere 500 meters away from the nearest metro station. We have been recognized as one of the premier institutes in the region for the following reasons:

- Compulsory job oriented technical trainings to the students.
- Experienced Faculty members having vast teaching and industry exposure.
- Promote startups and entrepreneurship skills among students,
- Having fully operational Incubation & Entrepreneurship Centre.
- 24X7 Digital & Automated Library full of e-books and NPTEL DVDs.
- Regular National/International is a common feature.
- Having permanent membership of prestigious bodies viz. ISTE, MSME, Dellnet, Hardicon and many more.
- TCS certified computer labs with latest software.
- Excellent placements record.
- NCC/NSS membership for students.
- Industrial visits to provide exposure to industrial environment and working conditions.
- Paid internship program for the students.
- Separate in-Campus Hostel facility for Girls & Boys.
- Excursion visits for students.
- Bank Loan assistance.
- Scholarship schemes for meritorious & needy students.
- Fully functional alumni association.
- Free foreign certification program for meritorious students.
- Optional foreign language course.

Why
B.Tech from Mangalmay?



ENTREPRENEURSHIP DEVELOPMENT CELL

The initiation of the Entrepreneurship Development Cell (EDC) aimed to bridge the divide between academia and industry. This cell engages in various initiatives for student development, providing them with corporate exposure during their academic journey and instilling an entrepreneurial mindset. The EDC actively supports businesses and innovators in the process of ideation, launch, and commercialization, encouraging students to tap into their latent entrepreneurial spirit. Notably, the EDC has established a collaborative partnership with MIEF (MIEF- is the name of the incubation center) to further enhance its impact and reach.

Institute Innovative Council

IIC, an initiative by the Ministry of Human Resource Development (MHRD), is dedicated to systematically nurturing an innovation-centric culture within Higher Educational Institutes (HEIs). Embracing this ethos, Mangalmay Institute of Engineering & Technology (MIET) in Greater Noida takes pride in being an enthusiastic participant in the innovation wave, actively engaging in all IIC events.

MIET-IIC annually hosts the "Idea Presentation" event, aimed at identifying innovative ideas with entrepreneurial potential. This initiative underscores MIET's commitment to developing a

dynamic local innovation ecosystem. The institute strives to establish mechanisms that support startups, positioning itself for recognition in the Atal Ranking of Institutions on Innovation Achievements Framework (ARIIA). MIET-IIC is dedicated to cultivating an environment conducive to idea scouting and pre-incubation. By doing so, the institute aims to contribute significantly to the broader goal of promoting innovation and entrepreneurship within the higher education landscape.

IIRS-ISRO

Mangalmay Institute of Engineering & Technology, located in Greater Noida, has established a partnership with the Indian Institute of Remote Sensing (IIRS), an integral unit of the Indian Space Research Organization (ISRO) under the Department of Space, Government of India. This collaboration allows students at MIET the opportunity to undergo training in various cutting-edge technologies, including Geospatial technology and atmospheric sensing.

The Indian Institute of Remote Sensing (IIRS), holds a pivotal role in providing training and capacity building in geospatial technology and its applications across Southeast Asia. The students of MIET have this great opportunity to avail it to carve their professional career in this specific domain.

MANGALMAY INCUBATION & ENTREPRENEURSHIP FOUNDATION (MIEF)

Mangalmay Incubation & Entrepreneurship Foundation (MIEF) stands as a non-profit hub within the Mangalmay Group of Institutions in Greater Noida, with a mission encompassing several key objectives:

- Paving the way for entrepreneurial opportunities among students, faculty, and researchers.
- Nurturing fledgling technology-based enterprises.
- Providing support to technology and knowledge-driven ventures in their initial phases.
- Backing socio-economic initiatives and cultivating an environment to incubate and support inventive concepts.
- Facilitating the commercialization of innovative ideas.
- Cultivating and promoting an entrepreneurial spirit by initiating ventures that add value.

MIEF extends various Incubation Programs tailored to each stage of a startup's journey. Startups can apply under the category that aligns most closely with their goals. Our commitment is to identify and empower promising young individuals, encouraging them to formulate innovative business ideas through the provision of essential incubation services.

ANKUR (Pre-incubation)

POSHAN (Ideation to Prototype)

ANVESHAN (Validation & Early Traction)

DEEKSHA (Funding for Expansion)

SAHBHAGITA (Partnership Programme)

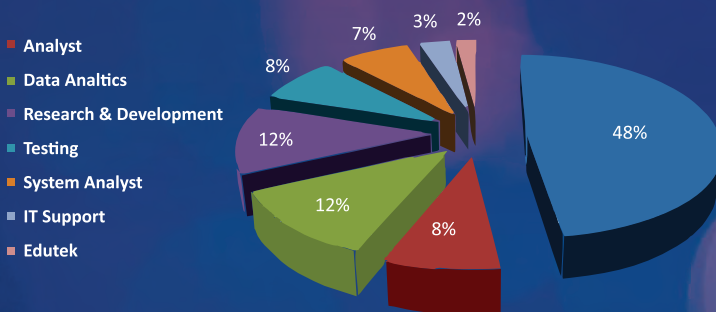


PLACEMENT

Corporate Resource Division (CRD) - serves as a vital link connecting students, faculty, and the corporate realm, promoting ongoing engagement with the industry. This involves sharing valuable industry insights and gaining a profound understanding of corporate needs. Our placement team dedicates significant efforts to forge partnerships with prominent organizations, orchestrating internships, placements, and training programs. The Placement Department extends invitations to leading companies across diverse sectors to participate in on-campus events. Eligible students are provided with the opportunity to navigate through the complete selection process. The entire procedure is guided by the students' capabilities and performance, aligning with industry requirements and standards. The **stellar placement record** over the years speaks volumes about the quality of the B.Tech programme offered at Mangalmay Institutions with key recruiters from Fortune 500 companies. **Some of the key recruiters are TCS, Infosys, Tech Mahindra, IBM, CISCO, Intel, Dell, Wipro, Samsung, and many more...**



Placement Summary B.Tech 2019 - 2023 (Sector wise)



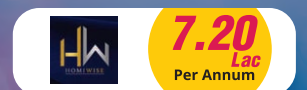
Mr. Siddharth Singh
Talent Acquisition - North

We recognize the immense quality that Mangalmay Group adds to an individual and we look forward to hire more candidates from your college. Overall arrangements were excellent. Thanks to the Placement Team who synchronized each and every thing in a fine manner.



Aniket Dixit
B.Tech, CSE

I am glad that I pursued my B.Tech program from Mangalmay Group of Institutions The overall experience was enriching. I have established my leadership, time management and team skills and have also been able to advance these skills to the whole new augment level. The mentors HERE helped me to enhance my academic and interpersonal skills. I am thankful to CRD For providing a platform to enhance my skills and an opportunity to showcase them.



Eligibility:

The candidate must have passed (without grace) Intermediate (10+2 Level) Examination or its equivalent from any recognized board, securing minimum 60% marks in aggregate in the required subjects with a combination of two Compulsory Subjects – Physics & Mathematics and one optional subject of Chemistry/Biotechnology/Biology and UPSEE/JEE Mains Qualified

Course Fee :

Fees Type	1 st Year	2 nd Year	3 rd Year	4 th Year
Course Fees	Rs. 75,500/-	Rs. 75,500/-	Rs. 75,500/-	Rs.75,500/-
Other Charges	Rs. 53,500/-	Rs. 53,500/-	Rs. 53,500/-	Rs.53,500/-
Total	Rs. 1,29,000/-	Rs. 1,29,000/-	Rs. 1,29,000/-	Rs.1,29,000/-

*Examination fee to be paid separately as per University Norms * Hostel Charges (Optional)

2 Seater: 1,05,000/- per annum

3 Seater: 95,000/- per annum (For girls only twin sharing available)



Mangalmay Group of Institutions

Campus: Plot No 8 & 9, Knowledge Park II
Greater Noida, Uttar Pradesh, Delhi NCR
Email: admission@mangalmay.org

www.mangalmay.org

Toll Free No. 1800 103 3797

