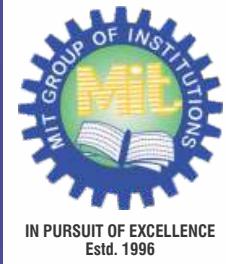




NAAC Accredited  
Grade 'A'

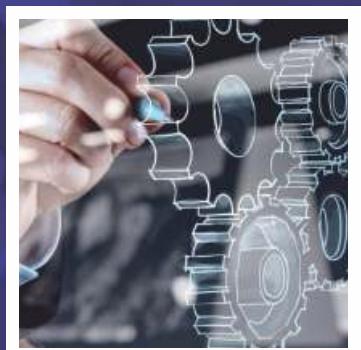


**MIT**  
GROUP OF INSTITUTIONS



NBA Accredited  
CSE

**TRANSFORMING**  
**LIVES THROUGH TECHNICAL**  
**EDUCATION**



**INFORMATION BROCHURE**

- 🌐 [www.mitmoradabad.edu.in](http://www.mitmoradabad.edu.in)
- FACEBOOK <https://www.facebook.com/MITMBD1996/>
- YOUTUBE <https://www.youtube.com/MITMBD1996/>

# MIT Alumni Meet at Bangalore



## ALUMNI AROUND



**Mr. Nitin Mittal CS-2006**  
Senior Software Engineer  
Google, USA



**Ms. Aashmi Chaudhary  
CS-2014**  
S/W Engineer  
Microsoft, India



**Mr. Virat Sarwat IT 2005**  
Director-S/W Engg  
Moody's Analytics, USA

**Mr. Himanshu Goel CS-2004**  
Solution Architect Cisco  
Systems, USA



**Mr. Mukesh Singh CS 2012**  
Machine Learning Engineer  
LinkedIn, India



**Mr. Purnendu Pandey  
EC 2005**  
Principal Consultant  
Oracle, UK



**Mr. Ranjeet Mishra CS 2004**  
Senior Manager  
Vodafone, Germany



**Mr. Ashwani Narang CS 2004**  
Director- Client Services  
Infosys, Plano, Texas



**Mr. Yogesh Sah  
EC 2004**  
Principal Application Engg.  
Oracle, USA



**Mr. Vibhav Singh ME 2000**  
Senior Professional, McDermott  
International Inc, Dubai, UAE



**Mr. Arun Kumar Gupta  
ME 1998-2002**  
GM Business Development  
Millenium Real Infra Pvt Ltd, India



**Ms. Neha Agarwal CS-2005**  
Technical Lead  
Oracle, India



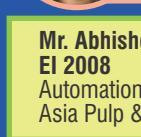
**Mr. Tribhuwan Kandpal  
EI 2000-2004**  
Sr. Engineer, Amazon, India



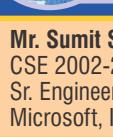
**Mr. Kapil Deo  
CS 2007**  
Senior Engineer  
American Express, USA



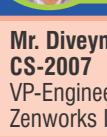
**Mr. Ankur Sarbhai  
CS&E 1996-2000**  
Associate Director, EY, India



**Mr. Abhishek Mohan Sharma  
EI 2008**  
Automation Engineer  
Asia Pulp & Paper, Indonesia



**Mr. Sumit Sarabhai  
CSE 2002-2006**  
Sr. Engineering Architect  
Microsoft, India



**Mr. Diveyamaan Agrawal  
CS-2007**  
VP-Engineering  
Zenworks Inc, India



**Ms. Tarini Sangwan  
EE 2010**  
Analyst, Sallie Mae  
Newark, Delaware



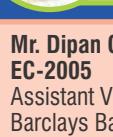
**Mr. Mohd. Asim CE 2010**  
Sr. QS Engineer Manazel  
Construction Riyadah,  
Saudi Arabia



**Mr. Om Vikram Thapa  
CSE-2007**  
Associate Director  
Goibibo-MakeMyTrip, India



**Mr. Deepak Rathi  
ME-2003**  
CEO, Varex Infra Services Pvt. Ltd.  
India



**Mr. Dipan Chandra  
EC-2005**  
Assistant Vice President (op)  
Barclays Bank, India



**Mr. Pranav Tyagi  
EC-2002**  
Vice President  
Eigen Technologies, India



**Mr. Tarun Mishra EC 2007**  
AI Software Solution Engineer  
Intel Corporation  
Bengaluru



**Mr. Kulwant Singh  
CS 2016**  
Software Engineer  
Nividous Software Solutions  
Delhi



**Mr. Aman Bhatia  
EC 2017**  
Quality Assurance  
Google Operations India



# MIT Alumni Meet at Moradabad



## THE GLOBE



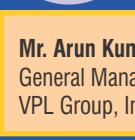
**Mr. Rajhans Gupta CS-2005**  
National Sales Manager  
Tangentia, India



**Mr. Vishal Kumar Rahel  
EC-2006**  
Vice President  
Fortigo Network Logistics, India



**Mr. Sheel Banshal  
EC 2000**  
AGM-Services Schneider  
Electric, Gurgaon



**Mr. Arun Kumar Gupta ME 2002**  
General Manager  
VPL Group, India



**Mr. Sameer Sharma, EC 2000**  
Chief Manager  
Samsung, India



**Mr. Divya Kr. Dixit CS 2001**  
Scientist  
BARC, India



**Mr. Vivek Kumar  
CS 2000**  
Ministry of Home Affairs,  
GOI, India



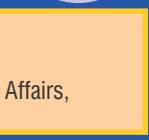
**Mr. Rajeev Kumar ME 2001**  
Scientist  
DRDO, India



**Mr. Prashant Kumar Singh  
ME 2002**  
Regional Head  
Tata Technologies, India



**Mr. Krishna Mani Mishra  
ME 2004**  
Sr. Manager  
HAL, Kanpur



**Mr. Amit Kumar Shrivastava  
CS 2002**  
Chief System Manager  
CRIS, India



**Mr. Kamal Kumar EC 2004**  
Sr. Project Manager  
IOCL, India



**Mr. Prabhat Singh ME 2002**  
Chief Engg.  
Executive Ship Management  
Singapore



**Ms. Ruchita  
IT 2011**  
Bollywood Actress, India



**Mr. Dhananjay Bhardwaj  
ME 2011**  
Founder & Product Head  
ParkMate India, India



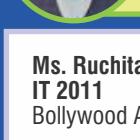
**Mr. Nitin Kumar Gupta  
EC 2002**  
Wing Commander  
Indian Air Force, India



**Mr. Shailendra Singh  
EC 2003**  
Assistant Director  
Dept of Consumer Affairs, India



**Mr. Amit Chandra Mishra  
CS 2004**  
Scientist  
ISRO, India



**Mr. Nitin Chaudhary  
EC 1997-2001**  
SOC Design Engineering Manager  
Intel Technology India Pvt. Ltd., India



**Mr. Deepak Bansal  
EC 1996-2000**  
Program Director  
Encora Inc.



**Mr. Saurabh Joshi  
EC 2001**  
Director, Boolean Microsystems Pvt Ltd  
India



**Ms. Pallavi Agarwal  
CS 2010**  
Software Dev Manager  
Amazon, India



**Mr. Vineet Kumar Agarwal  
ME 2003**  
AGM, LG Electronics  
India



**Mr. Sambhav Goel  
CSE 2018**  
Senior Consultant  
Mastercard, Gurugram



**Mr. Abhishek Kumar  
EC 2020**  
SOC Design Engineer  
Intel



**Ms. Divya Pasreeja  
EC 2014**  
Software Engineer Oracle,  
Noida

# MIT GROUP OF INSTITUTIONS

College Code  
082



College Code  
598



**Moradabad Institute of Technology**

**MET Faculty of Pharmacy**

College Code  
1046



**MIT College of Pharmacy**

**MIT World School**

Moradabad Educational Trust (MET) was constituted in 1995 with a motive to produce skilled manpower of highest quality to meet complex technological needs for economic development of the country. In this step, Moradabad Institute of Technology, (MIT) was established in 1996. MIT was among the first batch of three self financed Technical Institutes of U.P. Right from the beginning MIT has been led by eminent senior academicians from reputed universities of the country. Its foundation in the terms of academics, infrastructure and placement was laid very strongly and it continued to grow upon that.

MIT started with 160 students in three B. Tech branches namely Computer Engineering & Information Technology, Electronics & Communication Engineering & Mechanical Engineering. Now it is running eight B.Tech Branches namely, Computer Science & Engineering, Computer Science & Engineering with AI & ML, Computer Science & Engineering with Data Science, Computer Science & Engineering with IoT, Civil Engineering, Electronics & Communication Engineering, Electrical Engineering and Mechanical Engineering with total strength of 480 students. MIT also runs MBA, BBA, MCA & BCA Programmes with intake of 60 students in each.

Moradabad Educational Trust also run 2 more colleges and one school along with MIT and these are MET Faculty of Pharmacy, MIT College of Pharmacy and MIT World School. The MIT Group of Institutions are taking shape to play the expected role in the higher technical and professional education of the country.

MIT along with other colleges is nourished by a group of dedicated, hardworking and qualified faculty and staff. Although the Institutes of higher learning in technical field grew enormously during past decade, efforts were made to keep the quality of MIT Group of Institutions high, without any compromise.

We feel proud of the success story of MIT and with its holistic approach towards education, MIT is going to flourish.

MET is also running Digital Assessment Process Zone established by TCS in MIT campus since 2016.

## MET TRUSTEES..... OUR PILLARS

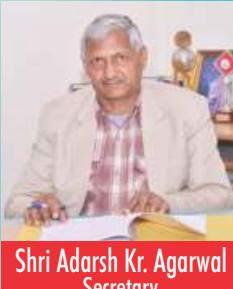
**Shri Y.P. Gupta**  
Chairman



**Shri Arvind K. Goel**  
Vice Chairman



**Shri Pradeep Jain**  
Vice Chairman



**Shri Adarsh Kr. Agarwal**  
Secretary



**Shri Anil Agarwal**  
Joint Secretary



**Shri Neeraj Kr. Agarwal**  
Treasurer



**Shri Sudhir Gupta**  
Founder Chairman

# OA Our Accreditations



OUR FOLLOWING PROGRAM GOT  
ACCREDITED BY NBA FOR 3 YEARS

**COMPUTER SCIENCE & ENGINEERING**



MIT GOT GRADE 'A' ACCREDITATION FOR 5 YEARS FROM  
**NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL (NAAC)**



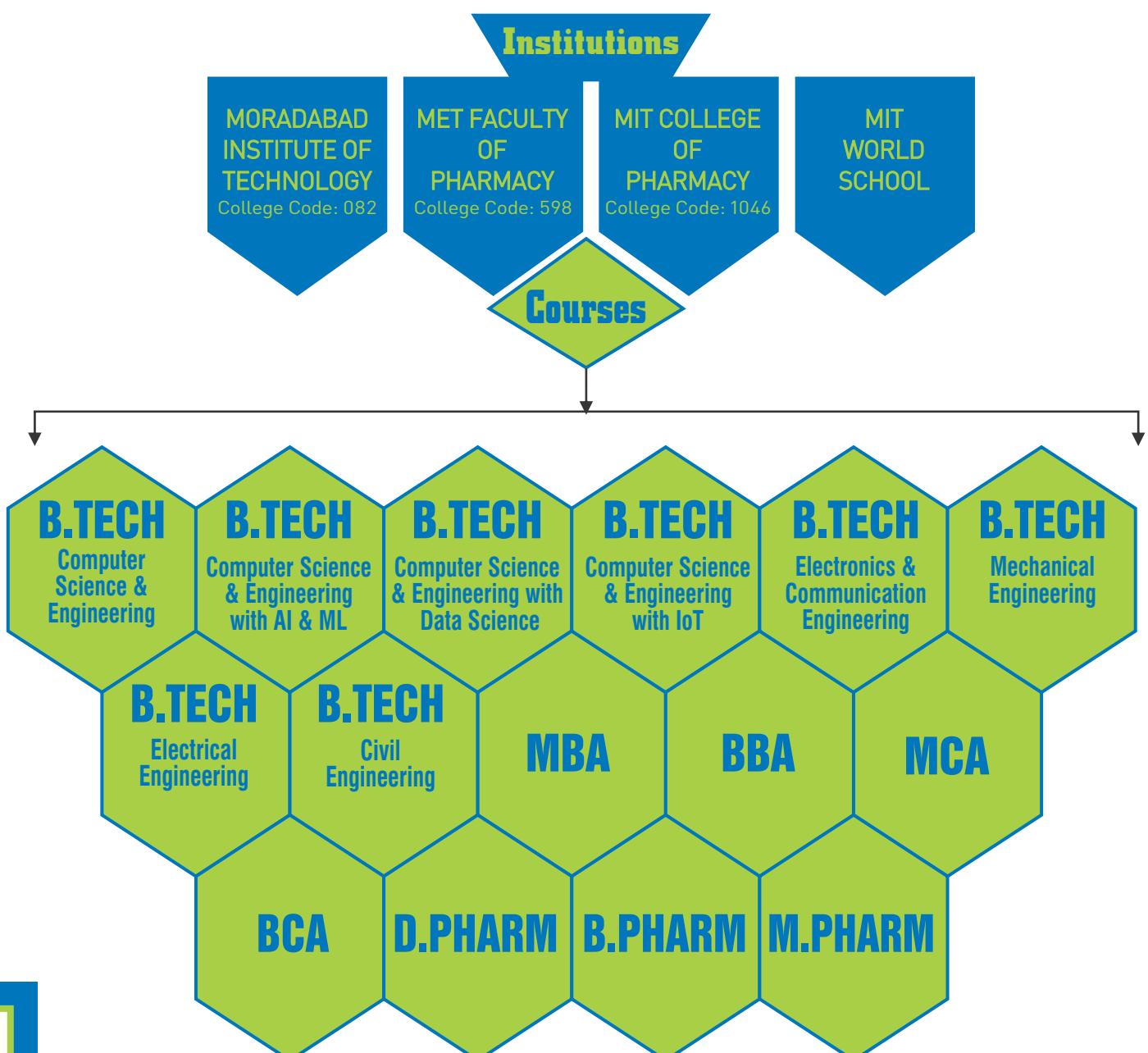
## OUR VISION

To Develop industry ready professionals with values and ethics for global needs.



## OUR MISSION

- To impart education through outcome based pedagogic principles.
- To provide conducive environment for personality development, training & entrepreneurial skills.
- To induct high professional ethics and accountability towards society in students.





NATIONAL BOARD  
OF ACCREDITATION

NBA Accredited

CSE



NAAC Accredited

Grade 'A'

**MIT**  
GROUP OF INSTITUTIONS  
Ram Ganga Vihar, Phase-2, Moradabad 244001 U.P.,  
Ph. : 0591-2452412, 2452207  
IN PURSUIT OF EXCELLENCE  
ESTD. 1986



**Faculty is Our Strength**

## CAMPUS BUILDINGS



Block A



Block B



Block C



Block D



Girls Hostel



Temple



Block F



Block G



Block H



Block E



Block I



## HISTORICAL SAGA

Moradabad Institute of Technology (MIT) was established in the year 1996 by Moradabad Educational Trust with four trustees' viz. Mr. Sudhir Gupta, Mr. Y.P. Gupta, Mr. Adarsh Agarwal and Mr. Anil Kumar Agarwal. Later on, in 1998, three more trustees also joined viz. Mr. Neeraj Agarwal, Mr. Arvind Goel and Mr. Pradeep Jain.

MIT is among the first three degree engineering colleges established in U.P. under the self-financing Scheme of Govt. of India. In the beginning, in 1996, the Institute had three B.Tech. Programs with an intake of 160 students only. In subsequent years other programs were added. Presently the Institute runs eight B.Tech. programs, viz., Computer Science & Engineering, Computer Science & Engineering with AI & ML, Computer Science & Engineering with Data Science, Computer Science & Engineering with IoT, Electronics & Communication Engineering, Mechanical Engineering, Electrical Engineering and Civil Engineering. Besides B.Tech. Programs, the Institute is also running MBA, BBA, MCA, BCA, B. Pharm., D.Pharm and M.Pharm.

Our CSE, ME & ECE programs were accredited by NBA, Govt. of India in 2004, 2007, 2011 and 2021. Our current CSE programme is also accredited from 2024 to 2027.

Two more colleges, Faculty of Architecture and Faculty of Pharmacy were started in the year 2009 leading to formation of MIT Group of Institutions (MITGI). In the year 2019, College of Pharmacy was also added to MIT Group of Institutions (MITGI). In year 2022 MIT World School is added to the group. MITGI ranks at a high positions amongst institutions affiliated to the University (AKTU, Lucknow). Our Alumni are working around the globe in leading industries and MNCs. Institutions in MIT campus are marching ahead on the glorious path of academic excellence.

The campus is spread over an area of 18 acre of land with a lush green environment consisting of nine academic blocks and has well equipped state- of- the- art laboratories, Computer centers, Wi-Fi campus, a rich digital library, highly efficient and dedicated Department of Training & Placement, fully air-Conditioned seminar halls and centrally air-Conditioned auditorium, administrative and accounts section, canteen, indoor and outdoor games facilities. The Institute has a highly qualified dedicated faculty. It gives truly conducive environment for Education, Knowledge, Research, Innovation and Skills (EKRIS). MIT Stand for "Motivation, Innovation and Transformations" which symbolizes the true meaning of education. Our campus placement is 100% of registered students in the leading companies of the world with high pay packages. Moradabad is known as the Brass city of India. The annual exports of brass, aluminum and glassware products from Moradabad amount to about Rs. 10,000 crores approx. Moradabad is situated on the Northern Railway main rail links (Howrah- Lucknow- Amritsar and Lucknow- Delhi) and 160 kms east of Delhi on NH-24. MIT is located 5 kms from the Moradabad Railway Junction.

**MORADABAD INSTITUTE OF TECHNOLOGY ENSURES A RAGGING FREE ENVIRONMENT AS PER THE RULES AND REGULATION LAID DOWN BY GOVERNMENT.**

## MESSAGE

### SHRI Y. P. GUPTA, CHAIRMAN

It is a great pleasure for me to write this message for a special brochure introducing the academic system of the MIT Group of Institutions. This brochure serves as a gateway, understanding our institution's commitment to excellence in education, innovation, and holistic development.

MIT Group of Institutions is progressing by leaps and bounds in all four dimensions of the academic world. The academic environment is vibrant and focused on achieving the highest standards within, AKTU Lucknow. We emphasize not only academic excellence but also comprehensive development by encouraging active participation in a wide range of extracurricular activities.

We feel proud of, that our alumni are working across various parts of the world and raising the flag of our institute high. The primary aim of our institute is to nurture and develop outstanding professional and ethical skills so that our students become valuable assets to the nation and proudly elevate India's reputation on the global stage.

With heartfelt love and best wishes.



## MESSAGE

### SHRI ADARSH KR. AGARWAL, SECRETARY

The Moradabad Institute of Technology (MIT) stands as a distinguished institution in professional education, significantly influencing the academic environment of our nation. At MIT, we offer a carefully structured curriculum that provides multiple pathways for students to achieve their aspiration. Furthermore, we instill a strong sense of social responsibility in our students fostering values of national integrity, discipline and ethical conduct of the highest standards.

Recognizing the varying levels of preparedness among students, MIT is committed to bridging these gaps through comprehensive academic support and skill development programs. Unlike conventional university structures, we focus on holistic learning emphasizing both technical excellence and personal growth. MIT remains devoted to nation-building by imparting quality education, ensuring our academic standards are aligned with the best institutions worldwide.



## MESSAGE

### PROF. (DR.) ROHIT GARG, DIRECTOR MIT

I delightfully welcome you to the MIT family. It is our vision to provide the nation with responsible and disciplined youth to shape a better future. In order to accomplish our vision and mission, we are prepared to put in as much effort as possible for the betterment of academic scenario in India. Since its inception, the institute has not only grown up in its infrastructure but has also developed a lot in terms of academics and laboratories. A well-balanced curriculum, taught by qualified, skilled, and experienced faculty develops the required skills in students necessary to meet tomorrow's applications.

The under graduate programs are focused on bridging the gap between graduate expectations and employment reality. With a blend of curricular, co-curricular and value added activities, every student is encouraged to explore and reach his dreams. I am sure that our faculty and students will continue to contribute and shoulder the responsibilities of taking MIT ever forward in the path of academic excellence. I am confident that Moradabad Institute of Technology will make itself stronger day by day, adding a new leaf towards grandeur.

I wish the best of fortune and prosperity to all those who contribute to the noble task of spreading education and its manifest qualities, aims and objectives.



## MESSAGE

### PROF. (DR.) S.R. SWAIN, DIRECTOR MET FOP

Welcome from Director, Faculty of Pharmacy. The Faculty of Pharmacy plays a distinctive and essential leadership role in the academic and professional evolution of the pharmaceutical profession. Since its inception, the Faculty of Pharmacy has remained a place of innovation, creativity and excellence in pharmacy education. As the needs of society and the profession changed, the Institute pioneered new programs to prepare better future pharmacists for an expanded role in the health care profession. The Institute of Pharmacy is in the midst of a remarkable transition as we see unprecedented growth in the size and quality of our faculty and research programs. Our faculties are recognized for advancing the pharmaceutical sciences, the social and administrative sciences and the practice of pharmacy. Research grants and contracts from various agencies, foundations, and associations are in the process. We provide an unique educational experience, combining the best in the classroom, laboratory and experimental learning under the direction of a class faculty, right in the heart of Moradabad. The institute continues to evolve and grow. What remains constant is our commitment for preparing students to be agents of change within their field, seeking to apply their knowledge and skills to improve the lives of people nationwide and around the world.



## MESSAGE

### PROF. (DR.) NALINI KANTA SAHOO DIRECTOR MIT COP

***"Do the best you can until you know better. Then when you know better, do better."***

Welcome to MIT campus. It is my pleasure to introduce you all to our Academic, research activities and ethics at MIT College of Pharmacy. We at MIT College of Pharmacy would like to take the lead in imparting the necessary skills and knowledge essential to excel in this environment. Our execution of Pharmacy programs is focused on one-to-one teaching-learning experience and an opportunity to enhance the knowledge & skill set.

Students have access to modern smart classrooms, laboratories, and more than 5000 volumes of pharmacy resource materials. The highly dedicated core research faculties have consistent publication record of peer-reviewed research and review articles, chapters in text books and patents.

As Director, I am extremely proud to share the information about our programs and I hope your navigation through our website will assist in finding relevant information and learning more about the outstanding accomplishment of our extraordinary students, faculty, staff and campus.

I welcome you all to one of the best academic hubs of AKTU and BTE.

## MESSAGE

### MS. MANJULA KAMBOJ PRINCIPAL MIT WORLD SCHOOL

***"Education helps us get exposure to new ideas and concepts that we can use to appreciate and improve the world around us and the world within us."***

As the Principal of the school, I feel honoured and privileged to be part of an educational institution where every stakeholder is a learner and every day is an opportunity to learn and discover. I look at ourselves as a community of learners, where everyone learns including our teachers, parents & staff.

I believe in upholding high standards with an absolute commitment to strive to understand and improve the educational process, using team strategies, while wholly centering on student achievement. MIT World School, ensures high quality education which motivates and empowers our students to be lifelong learners and the productive members of the society. At MITWS, education is not just the amount of information that is put into a child's brain, it caters the individual needs of our students. I want all our students to achieve their full potential. Our task is to make it possible and our mission is to provide a platform for the same.

Success for all students is ensured at our school by the delivery of an enriching, child centered, balanced and structured curriculum and a whole school focus on students welfare that focuses on the positive recognition of students achievements.

Teachers at MITWS are highly qualified and experienced educators who are committed to support each student's learning experience through quality instruction and guidance that addresses the needs of the individual child. School also initiates the activities that actively promote safe and healthy lifestyle and contribute effectively to sustainability and conservation of our environment.

I firmly believe that child's learning involves and revolves around an effective partnership between home and school. The parents are their child's first and most important teacher. Parents play a vital role in the education of their children. I happily welcome all our parents to take an active role in the education of their children and to be the active participants in our school life. The stronger the partnership is the more your child will benefit.

I look forward to working with you as our help create a school where parents are welcome at anytime, students are engaged in meaningful learning and the staff members are valued and appreciated for their efforts.

I welcome you all to an outstanding vibrant learning community where everyone is dedicated to a high standards of excellence.



# CSE

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

B.TECH. CSE  
(NBA ACCREDITED)



### VISION

To develop globally recognized computer science and engineering graduates with ethical values for need of software industries.

### MISSION

1. To impart knowledge through well defined instructional objectives in the field of computer science and engineering.
2. To provide learning ambiance for skills, innovation, leadership and overall personality development.
3. To inculcate professional ethics, teamwork and responsiveness towards society.

### ABOUT THE DEPARTMENT

The department of Computer Science & Engineering (CS&E) is one of the earliest departments, started in 1996. The department earned a very good reputation and achieved many milestones on its glorious path towards excellence in computer education. Presently, the department runs the following undergraduate degree programme:



### DEAN COMPUTER SCIENCE AND ENGINEERING

#### DR. MANISH GUPTA

##### QUALIFICATION

Ph.D. (CSE), M.Tech (CSE),  
B.Tech (IT)

##### EXPERIENCE

21 years

##### AREA OF INTEREST

Speech Signal Processing  
Image Processing  
Machine Learning

##### PUBLICATIONS: 34

##### PATENTS: 05

##### BOOK: 01

### COURSES

**B.TECH.  
CSE**

**B.TECH.  
CSE**  
(Artificial Intelligence  
& Machine Learning)

**B.TECH.  
CSE**  
(Data Science)

**B.TECH.  
CSE**  
(Internet of Things)

### Why to Study

#### Computer Science & Engineering

- Accredited by National Board of Accreditation (NBA) for 5<sup>th</sup> time upto year 2027.
- Provide a conducive learning environment because we believe in the progressive enfoldment of the students towards becoming perfect IT Professional.
- Strong alumni network to share knowledge and get placement support.
- Centre of Excellence (Industry Collaborated Laboratories).

- Hands on practice in computer laboratories.
- Curriculum delivery through Innovative pedagogical practices in smart class rooms.
- Majority B. Tech graduates are working in well known software industries like Infosys, TCS, Nagarro, Wipro, Mamsys, Sopra Steria, HCL, Walmart Global Tech, Cloud analogy etc, while others get involved in start-ups, work for govt. agencies or pursue higher studies.
- Co-curricular and extra-curricular activities are organized by Computer Science Student Society (CSSS) for the all round development of students.
- Internal Hackathons and other technical competitions organized for the students.
- Effective mentor-mentee system. For every 20 students, one faculty counselor is appointed.
- Highly qualified faculty members and well trained technical staff members.
- The Training concept "Super 30" run by IIT, pass out graduates to make students industry ready.

## LABORATORIES

- Computer Network Lab.
- Artificial Intelligence Lab.
- Machine Learning Lab.
- Programming for Problem Solving Lab
- Data Structures using C/Java Lab
- Digital Logic Design Lab
- Discrete Structure & Logic Lab
- Computer Organization & Architecture Lab
- Database Management System Lab
- Design and Analysis of Algorithms Lab
- Operating System Lab
- Web Technology lab
- Python Language Programming Lab
- Software Engineering Lab
- Compiler Design Lab
- Project Lab

## INDUSTRY/ INSTITUTIONS SUPPORTED LAB.

- IoT Lab
- E-Yantra Lab
- Microsoft Imagine Academy
- Cisco Academy
- Centre of Excellence (CoE)



Faculty of Department of Computer Science & Engineering

## Student Achievements

1. On November 30, 2024, a group of talented students from 3rd year participated in the prestigious National Innovation Award 2024, hosted at the Panipat Institute of Technology in Panipat, Haryana.
2. Dhairya Saraswat, 3rd year student presented his research paper titled "Real-Time AI-driven Shooting Posture Assessment and Correction for Professional and Military Training Using Machine Learning, OpenCV, and MediaPipe" at the International Conference on Technology and Applied Computer Science (ICTACS 2024). The event was held from November 13th to 15th, 2024, at Amity University, Tashkent.
3. Shashwat Shinghal and Dhairya Sarswat, had presented an innovative prototype named "Smart Glasses Prototype for Blind People" at IIT Bombay Tech Fest 2024 during 13-15 Nov 2024.
4. The team comprised Shashwat Shinghal, Dhairya Sarswat, Pari Dubey, Shubham Sahu, Ujjwal Paliwal and Daksh Dixit participated in HackVerse 2024, a 36-hour national-level hackathon hosted by Tula's Institute of Technology, Dehradun on November 3-4, 2024.

# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

5. Utkarsh Saxena, Ujjwal Mishra, and Manish Kashyap from 3rd year got 2nd position in the state level event Code-a-Problem 2024, held at the Mangalmay Institute of Technology, Greater Noida On November 19, 2024
6. A team consist of Shashwat Shinghal, Dhairya Saraswat, Pari Dubey, and Shubham Sahu got 4th position among 40 teams in the prestigious AKTU NextGen Kalam Innovation Sprint 2024, held at the Innovation Hub, Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow on October 15, 2024.
7. Student team named Dreamers won cash prize of Rs 5000 in Hackathon 2024 organized by Shivalik College Dehradoon.
8. Kavish Saxena student of 2nd year worked on a project entitled “Road Detection with high resolution satellite Images using Deep Learning” at ISRO Remote Sensing Centre Hyderabad from 25/09/2024 to 10/11/2024
9. Satyam Singh, a student of B.Tech CSE 3rd year participated in a Chess Tournament conducted at the Jawaharlal Nehru Stadium, New Delhi from 16 November 2024 to 20 November 2024

## Infrastructure

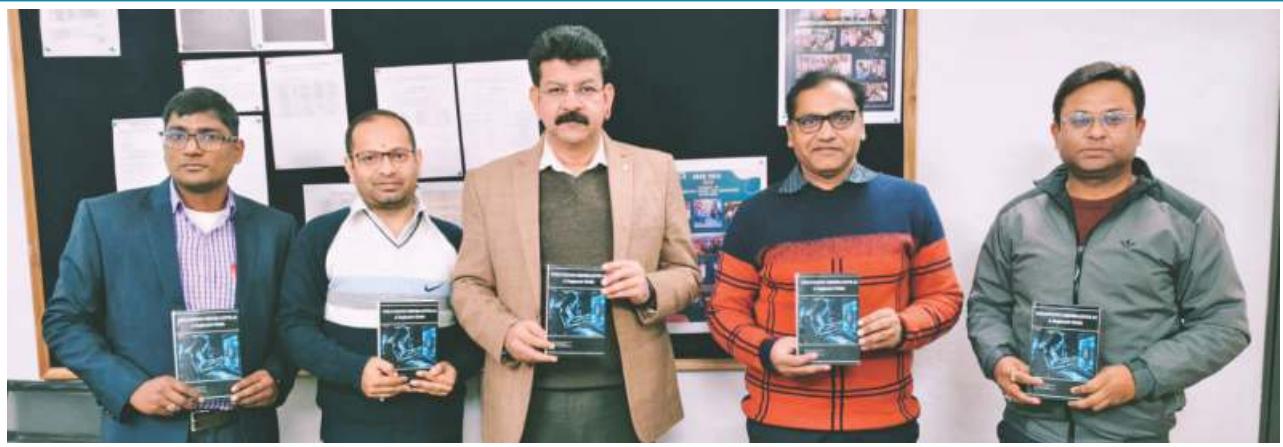
- Well Equiped Computer Labs
- Smart Class Rooms.
- Lecture Recording Room
- Robotics Lab
- High Speed Internet Access
- Badminton Court
- Computer Hardware Lab
- Department Library

## Faculty Achievements

1. 03 faculty members attended the MEGA Conference on Cyber Security, Cyber Crime, AI and BlockChain at Ph.D Chamber of Commerce, New Delhi held on 08 Jan 2025.
2. Dr Himanshu Sharma, Mr. Amit Saxena, Mr Vibhor Kr. Vishnoi attended National conference on Cyber Security AI & BLOCKCHAIN 08 JAN 2025, Organized by PHDCCI at PHD HOUSE, NEW DELHI
3. Ms Anu Sharma Assistant Prof. CSe Participated Online Quiz on Cyber Hygiene Practices as a part of U.P. Cyber Safety and Awareness Week organized by Dr. A.P.J. Abdul Kalam Technical University Lucknow.
4. Prof (Dr) Manish Gupta and Prof (Dr) Rajeev Kumar attended a meeting with Dr Yogesh Singh Chauhan Chairman IEEE UP Section Executive Committee at Hotel Courtyard Agra on 12 January 2025 regarding the proposal to organize upcoming IEEE conference

## Activities held in Department

- Organized industrial tours to EST Centre Ramnagar for 3rd year students to VWD Technology Manesar, App Squaad Software, Noida and Atal Incubation centre Sonepat, Haryana, APPWARS
- Organized various Guest Lectures such as Phyton, Full Stack, Android Mobile and TV app development, I.T. Industries and service new products.
- Department organized workshops on “Nasscom” which was attended by 310 students and a lecture about “IOT enabled devices” by Innovians.
- Department conducted FDP “Deep learning for engineering from 2<sup>nd</sup>-6<sup>th</sup> September 2024 and Cryptography and network security from 16<sup>th</sup> -20<sup>th</sup> September 2024. Faculty Members from MIT attended this FDP.
- Department organized IEEE International Conference ICTEM 2024 from 13<sup>th</sup> -14<sup>th</sup> December 2024.
- Release newsletter of the department named “Bits & Bytes” biannually.



Published a Book "Unlocking Generative AI" : A beginner's Guide" by Dr. Saurabh Srivastava, Mr. Amit Saxena & Mr. Vinay Kumar Pant Assistant Professor CSE Department under the "Perfect Writer Publication".



Faculty Attended National Conference on Cyber Security AI Blockchain Organized by PHDCCI at PHD House New Delhi



Students Industrial Tour at ESTC Ramnagar



Students got 4<sup>th</sup> position at AKTU NextGen Kalam Innovation Sprint 2024 held at Lucknow



NBA visit in the Department of Computer Science & Engineering



Himanshu Maurya B.Tech. CSE, got AIR 36 Rank in GATE (Data Science and Artificial Intelligence)



## Faculty of Department of CSE-AIML

B.Tech in Artificial Intelligence and Machine Learning (AI & ML) is a 4-year undergraduate degree program designed to equip students with skills in designing intelligent systems and data-driven solutions. The course integrates subjects like programming, data structures, machine learning, deep learning, neural networks, natural language processing (NLP), computer vision, robotics, and big data analytics. The curriculum emphasizes both theoretical knowledge and hands-on experience, often including projects, internships, and research opportunities. Students gain expertise in programming languages like Python, R, and Java, alongside tools such as TensorFlow, PyTorch, and Scikit-learn. Core topics include AI algorithms, machine learning models, reinforcement learning, and ethical AI practices. The program prepares students to address real-world challenges, such as automation, predictive analytics, and AI integration in industries. Job prospects in AI & ML are exceptionally bright due to the increasing adoption of AI across industries. Graduates can pursue roles such as AI Engineer, Machine Learning Engineer, Data Scientist, Business Intelligence Developer, NLP Specialist, or Robotics Engineer. They are in demand in sectors like IT, healthcare, finance, e-commerce, education, automotive, and entertainment. Top employers include tech giants like Google, Microsoft, Amazon, IBM, and Meta, as well as startups focused on AI-driven innovation. Government organizations and research institutions also offer opportunities. The field promises lucrative salaries, with entry-level positions offering attractive packages and substantial growth potential. The rise of automation and AI technologies ensures a steady demand for skilled professionals to develop AI applications, predictive models, and decision-making systems. However, the industry requires continuous learning to keep up with advancements in tools and techniques. Pursuing certifications, attending workshops, and staying updated with research trends are crucial for career growth. With AI transforming business operations and driving innovation, a career in AI & ML is not only rewarding but also contributes to shaping the future.

## Faculty of Department of CSE - Data Science

Welcome to the Department of Data Science, Moradabad Institute of Technology. The Department of Data Science at Moradabad Institute of Technology is a vibrant hub for learning and innovation in the rapidly evolving field of data science. We are dedicated to providing our students with a strong foundation in data science principles and equipping them with the skills and knowledge necessary to excel in today's data-driven world.

### **Our Commitment:**

- Academic Excellence: We strive for excellence in teaching and research, fostering a stimulating learning environment where students can thrive.
- Industry Relevance: Our curriculum is designed to be highly relevant to the demands of the modern job market, covering cutting-edge technologies and industry best practices.
- Holistic Development: We emphasize not only technical skills but also critical thinking, problem-solving, and communication abilities to prepare students for successful careers.

- **Student Support:** We provide our students with strong academic and personal support, including access to state-of-the-art laboratories, experienced faculty, and a supportive learning community.

#### **Our Facilities:**

Our department boasts well-equipped laboratories with access to the latest software and hardware, enabling students to gain hands-on experience with the tools and technologies used by data scientists today.

#### **Our Faculty:**

Our faculty members are highly qualified professionals with extensive industry experience. They are passionate about teaching and dedicated to guiding students on their academic and professional journeys.



## **Faculty of Department of CSE -IoT**

The Department offers B.Tech programme with specialization in Internet of Things domain. The Internet of Things (IoT) refers to a network of interconnected devices that can communicate with each other and exchange data over the internet without human intervention. These devices are embedded with sensors, software, and other technologies that allow them to collect, process, and transmit data. IoT spans various applications such as smart homes, wearable devices, industrial automation, healthcare, transportation, and agriculture. For example, a smart thermostat that adjusts temperature based on your preferences or a wearable fitness tracker that monitors your heart rate and activity levels are IoT devices.

The future of IoT is incredibly promising, driven by advancements in technology, connectivity, and the increasing need for automation and data-driven decision-making.

#### Why Pursue a Career in IoT?

- **High Demand:** The IoT market is expanding rapidly, creating a consistent demand for skilled professionals.
- **Lucrative Salaries:** IoT professionals often enjoy competitive pay due to the specialized skills required.
- **Diverse Applications:** IoT professionals can work in various industries, from healthcare to aerospace.
- **Continuous Innovation:** IoT is at the forefront of technological advancements, making it an exciting field for innovation and growth.



# ECE

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



### **HOD** HEAD OF DEPARTMENT

**DR. KSHITIJ SHINGHAL**

#### QUALIFICATION

Ph.D, M.Tech (EC), B.Tech (EC)

#### EXPERIENCE

Academic 26 years and  
Guided 08 M.Tech & 6 Ph.D.

#### AREA OF INTEREST

WSN, VLSI, Embedded  
Systems, Microcontrollers &  
Microprocessors

#### PUBLICATIONS

129 Research Papers

#### BOOKS

10 National  
08 International

### **VISION**

To become a department with a strong research and teaching environment that adapts quickly to latest technological challenges.

### **MISSION**

To become the best education system in Electronics & Communication Engineering discipline, offering quality education to students for successful career as Electronic & Communication Engineering profession.

### **DEPARTMENTAL LIBRARY**

The Department has its own library. The library makes available a number of textbooks for the students and faculty members. Magazines, project reports, seminar reports, datasheets are also available for reference. The department library helps all the students a lot to search useful matter related to their courses which in turn improves their technical knowledge a lot. The latest magazines related to electronics gives the students a great idea about the new researches and projects in the corporate market. Some useful magazines available in the library are:

- Electronics For You
- Electronics For You Plus
- PC Quest
- Digit
- IT



## ABOUT THE DEPARTMENT

The department has the ardent commitment to channelize the efforts of students and enhance their skills. The course of Electronics & Communication Engineering is composed of subjects giving extensive coverage to basic principles, and exposing students to both theoretical concepts and practical aspects. Special emphasis is given on VLSI and Chip Designing, Digital Switching, Mobile Communication Systems, Transmission Network, Satellite Systems, Digital Signal Processing and Data Communication Network. The Department aims to develop specialized knowledge in Electronics & Communication Engineering with as much emphasis on theory as on practice to develop the student's skills in VLSI manufacturing applications. The Department emphasizes the integration and application of computer, Optoelectronics, VLSI Design, Embedded System, Communication System, Microwave and control to cultivate advanced specialists in Electronics Technology. Department of ECE has special focus on the recently declared subjects of national importance ie VLSI Design and Semiconductor Devices. The department is concerned about the professional needs of the students and arranges various in-house events such as technical events, guest lectures, seminars, Personality Development Programme (PDP classes), workshops, conferences etc.

## ELECTRONICS ENGINEERING STUDENT'S SOCIETY (EESS)

EESS society aims at bringing out the innovative side of our students to use the techniques, skills and modern engineering tools. There are lots of co-curricular and extra curricular activities that EESS society organizes to enhance the skills of students. Some of the co-curricular and extra curricular activities are as follows:

- Creatronics 2
- Techies
- Treasure Heist
- Funkly, Telentino
- Bolly Swaggers
- Robo Race
- Your Quote- OpenMic
- Electro Art etc...
- Twisty 60
- Treasure Hunt
- Game of Talents
- Smart Bee
- Robo War

This society helps students to achieve the goal of an intellectual and thinking persons which always helps them in academics, curriculum and co-curriculum activities. This society has provided the platform for the students to help in their future career and enhance their soft skills. The skills they learn being part of society are:

- Time and budget management
- Commercial Awareness
- Presentation
- Organization
- Communication
- Team Work



## LABORATORIES

- Internet of Things (IoT) Lab.
- VLSI Design Lab.
- Semiconductor Device Lab.
- Embedded System Design Lab.
- Electronics Device Lab.
- Electronics Circuits Lab.
- Digital Electronics Lab.
- Logic Design Lab.
- Network Lab.
- Electronic Measurement Lab.
- Electronics Workshop & PCB Lab.
- Control System Lab.
- Analog Integrated Circuits Lab.
- Project Lab.
- Digital Signal Processing Lab.
- Microcontroller Lab.
- Microprocessor Lab.
- Communication Lab.
- Electronics CAD Lab.
- Antenna and Microwave Lab.
- Microwave & Fiber Optic Lab.

## CONFERENCE/ SEMINAR/WORKSHOP ORGANIZED

The department regularly organizes conferences/seminars/workshops for upgrading the knowledge of the faculty as well as students. Some of them are:

- Workshop on Embedded System & Robotics
- Workshop on VLSI Design & Wireless Networking
- Workshop on Recent trends in Communication & Networking
- Workshop on Embedded Systems
- Workshop on Medical and Image Processing
- Short term training program on “MATLAB and ITS APPLICATIONS”

## GUEST LECTURES

The Department organizes guest lectures by prominent professionals and academicians from industries and reputable educational institutions, to keep the students abreast of recent advances in the technical world.

Some of the Lectures delivered were:

SPEAKER AND AFFILIATION	TOPIC
Mr. Abhishek Kumar Semiconductor on Chip (SOC) Design Engineer, INTEL, Bangalore	Semiconductor Fabrication Technology
Dr. Prabir Kr. Biswas, Professor, IIT Kharagpur	Object Recognition
Dr. Ashish Raman, Associate Professor, NIT Jalandhar	Fundamental and Futuristic Approaches in VLSI Design
Dr. Manav Bhatnagar, IIT, Delhi	MIMO Systems
Dr. Sanjeev Rai Associate Professor MNNIT, Allahabad	VLSI Design
Dr. Arvind Kumar Associate Professor MNNIT, Allahabad	Wireless Sensor Networks
Dr. Mukul Kr. Gupta Program Leader & Asst Professor UPES, Dehradun	Robotic & its applications
Mr. Anoop Sharma NIEC, New Delhi	Basics of Probability
Prof. Pratur Kr. Biswas Indian Railways	Signalling System
Prof. (Dr.) G.S. Tomar MIR, Labs India	Recent Trends in Wireless Communication
Mr. Anoop Sharma, AGM-Regional Microwave Design, Vodafone Idea Limited, Chandigarh	Microwave Communication



## LEADING PROJECTS UNDERTAKEN BY STUDENTS

Self-efficacy, a belief that one can achieve a certain level of attainment, is important to student retention in engineering and technology fields. Developing ways to increase self-efficacy should be a primary concern for engineering programs. Several key tasks will be investigated including the importance of design projects to self-efficacy in engineering. Our engineering students interactively and successfully designed and built the applications in the areas of wireless and mobile communication, robotics, solar energy, medical and health care devices, low power devices, and industrial instrumentation, among many other areas of interest. Some of quality and appreciated projects developed by students are as follows:

- Automotive Crop Protection System from Rain with Rain Water Harvesting
- IoT based solution from recording mattresses of orthotic Lab for analysis by orthotists
- Smart light saving
- Vehicle Accident Avoiding System
- Life Detection Robot
- Jeevan Rakshak Patient Monitoring System Using Matuino
- Advance AI Based Security System
- Smart I Glasses
- IoT Based Accident Detection System
- AQI Monitoring System
- GSM Based Prepaid Electricity Energy Meter using Arduino with automatic billing and theft alert system

## AWARDS, APPRECIATIONS AND GRANTS FETCHED

The projects undertaken by students attracts the recognition from various state and national agencies. Some of them are

Project Title	Recognizing Agency	Award/Competition	Amount
Health Band	AKTU, Lucknow, UP	Ideathon	14,000/-
Smart Grey Water Management using Microbial Fuel cells.	CST, UP	Project Grant Scheme	20,000/-
Blind Guidance Belt	CST, UP	Project Grant Scheme	20,000/-
Drone based woman Security System	IICDC (India Innovation Challenge Design Contest)	Consolation Prize.	\$ 400/-
Betaal – Artificial Heads.	IICDC (India Innovation Challenge Design Contest)	Consolation Prize.	\$ 400/-
Sanitization Tunnel	MIT, Moradabad, UP	Best Project Award	20,000/-
Anti-derailment and health facility (ADHF) system	CST, UP	3rd Prize	50,000/-
Anti-derailment and health facility (ADHF) system	CST, UP	Project Grant Scheme	20,000/-
BRHMAS-Bike and Rider Health Monitoring with Antitheft System	Smart India Hackathon, IIM Bangalore, Karnataka	2nd Prize	75,000/-
BRHMAS-Bike and Rider Health Monitoring with Antitheft System	CST, UP	Project Grant Scheme	20,000/-

## PATENTS

Department focuses on the development of new technologies, which then results in the form of Patents. The patents filed by department are as follows

1. A Fixture for Avoiding Puncture in Two Wheelers
2. Fatal Hazard Avoiding System for Staircases
3. Rendition on Track Revealer
4. Automated agriculture system and a method thereof
5. Reusable Protective Gloves With Self-Sanitization System
6. IoT Based Wheat Crop Yield Estimator
7. A system for health monitoring and protection of electrical motor of electric vehicles using IoT.



## PLACEMENT OPPORTUNITIES

The main advantage of graduating in the field of Electronics and Communication is that, along with the core companies, the students are eligible to be placed in leading software companies. The students of MIT ECE department are placed in leading government organizations like ISRO, BSNL, DRDO and many more. There are many private core organizations where the students of department are currently working. Top private core organization includes Scope Telecom, Siemens, Nokia, Samsung and many more. The software are to be implemented on electronics hardware so electronics students are generally preferred for these software jobs.

Department also organizes industrial visit regularly for student's development.

# ME

## DEPARTMENT OF MECHANICAL ENGINEERING

### VISION

To develop competent and skilled Mechanical Engineers having moral values and ethics for the fulfillment of fast changing global needs.

### MISSION

To nurture continuous enhancement in teaching learning process for imparting strong fundamental knowledge of core, engineering science, and interdisciplinary subjects to students.

To provide state-of-the-art laboratories for providing hand-on experience of technology, and to provide platforms for leadership and overall personality development.

To develop strong mentor-mentee relationship for the professional and personal growth of students and also to inculcate moral values and ethics for serving the society.

### STUDENT'S SOCIETY

Mechanical Engineering Student Society (MESS) aims to implant competitive skills in the students and works to upgrade the technical knowledge and aptitude of the students. This society organizes various programs such as quiz, crossword, debate, seminar, group discussion, and paper presentation. The events are organized in such a manner that the students can bring out their creative instincts which may lead to enhance their personalities.



### HOD HEAD OF DEPARTMENT

### DR. MUNISH CHHABRA

#### QUALIFICATION

Ph.D.

#### EXPERIENCE

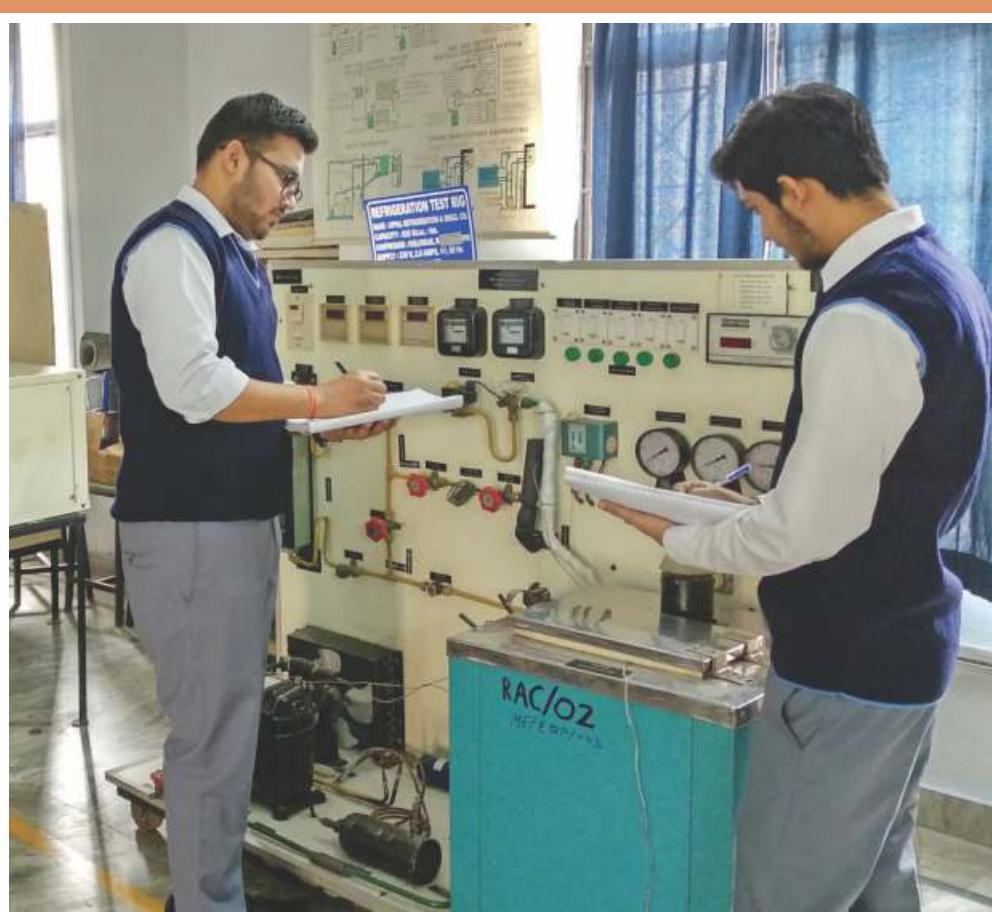
Academic 23 years  
Guided: 04 M.Tech. Thesis  
Guiding : 01 Ph.D.

#### AREA OF INTEREST

3D Printing (Additive  
Manufacturing), Metal Casting,  
Welding, CNC Machines

#### PUBLICATIONS

23 Research Papers



## ABOUT THE DEPARTMENT

The Department offers B.Tech. degree in Mechanical Engineering. The Department is committed to provide the students with the analytical and experimental skills which are required in making variety of careers in Mechanical Engineering and also in other multidisciplinary areas like Material Science, Production Engineering, Industrial Engineering, CAD/CAM, Automobile Engineering, Robotics and Management. The Department has developed the facilities required for imparting excellent training to meet the challenges of the 21st century and has taken up the initiatives to meet complex technological needs of the country in the particular, and of the world, in general.

## LEADING PROJECTS UNDERTAKEN BY STUDENTS

Project work is most important and useful tool for students to learn and practice new technologies, ideas, innovations, team work and leading spirit. Some of the projects undertaken by our students are:

- Design and fabrication of compressed solar air conditioner.
- Design and fabrication of cost effective Mechanical ventilator
- Fabrication of Solar Tricycle
- Design and fabrication of model of Automatic lift braking system.
- Design & fabrication of small scale elevator.
- Robotic arm to take sample of infected person for COVID-19 test.
- Design and fabrication of a model for filtration and power generation from sewage water. (SHURJA).
- To evaluate the effect of casting parameters on Mechanical properties of brass alloy (C28580) using squeeze die casting.
- Fabrication and model of automated electro - magnetic gear box.
- Fabrication and Design of fourway hacksaw machine.
- Fabrication of model of automatic side stand sprocket retrieval system.
- Automatic pneumatic bumper in automobiles.
- Fabrication of automated rotary car parking system.
- Automatic Green board cleaner.
- Fabrication of Pneumatic sheet cutter.
- Design and fabrication of multipurpose solar system.

## FACULTY DEVELOPMENT PROGRAMME

- Faculty development programme on "Emerging Trends in Mechanical Engineering Science & Green Energy" sponsored by AICTE.
- Faculty Development Program on "Advances in Thermal Science & Technology" sponsored by Dr. APJ Abdul Kalam Technical University, Lucknow.
- Faculty Development Program on "Green Tribology" sponsored by Dr. APJ Abdul Kalam Technical University, Lucknow. (TEQIP-III)

## LABORATORIES

- Computer Aided Manufacturing Lab
- Refrigeration & Air Conditioning Lab
- Material Science & Testing Lab / R&D Lab
- Fluid Mechanics & Machinery Lab
- Computer Aided Design Lab
- Automobile Lab
- Manufacturing Lab
- Measurement & Metrology Lab
- Engineering Mechanics Lab
- Applied Thermodynamics Lab
- Heat and Mass Transfer Lab
- Mechanics of Machines Lab
- Workshop

## MAJOR PLACEMENT

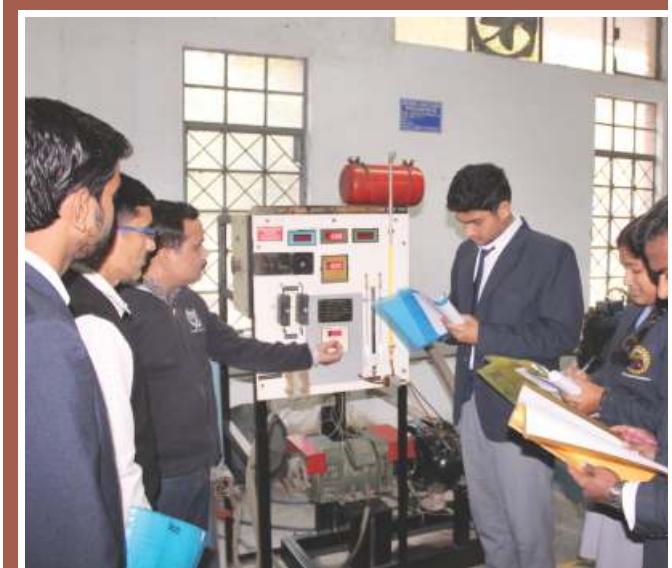
- Mahindra CIE
- Jindal Steels
- Radico Khaitan
- RACL
- ISGEC
- Maruti
- BHEL
- Students are also placed in NTPC, ISRO, DRDO, BARC etc.



# DEPARTMENT OF MECHANICAL ENGINEERING

## CONSULTANCY

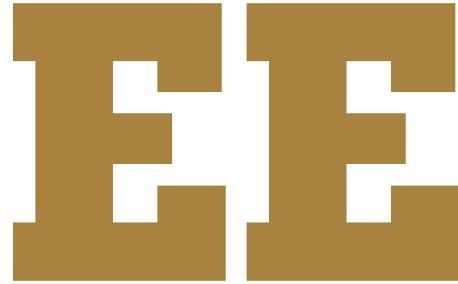
Department offers consultancy in the areas of material testing, renewable energy, manufacturing & CNC Programming etc.



## GUEST LECTURES AND SEMINARS

To keep the students abreast of recent advances in the technical world, guest lectures and seminars are organized by the Department from time to time. Eminent professors from reputed institutes and experts from industries are invited to deliver lectures/talks on various topics. During previous years following expert lectures have been organized:-

Name of Expert	Expert's Organization	Topic
Prof. Satish Chandra Sharma Prof. S.P. Harsha Prof. R.K. Srivastava Mr. M.Z. Khan Prof. S.P. Harsha Prof. G. Srivastava Prof. J.S. Saini Mr. A.S. Khare Mr. Sachin Verma	IIT, Roorkee IIT, Roorkee MNNIT, Allahabad IIT, B.H.U. IIT, Roorkee BIET, Jhansi IIT, Roorkee Web Tek labs Pvt. Ltd Dynamic Inst. of Automation & Control, Noida	The role of tribology in Mechanical Engg. Advancement in Nanotechnology CAD Advancement in Welding Technology Strength of Materials Mechanical Engineering Solar Energy New Delhi Career in CAD/CAM Product Development & Design
Prof. G. Srivastava Prof. H.K. Verma Prof. S.C. Jain Mr. Naresh Bhagat	BIET, Jhansi VIET, Ghaziabad IIT, Roorkee Le Logix Design Solution Pvt. Ltd	Engg. Mechanics Faculty Training & Development Faculty Training & Development High End Design & Analysis Software with Special Emphasis on Automobile Parts
Prof. Satish Chandra Prof. Vinod Yadav Mr. Amitabh Krishna Prof. P.M.V. Subbarao	MNNIT, Allahabad MNNIT, Allahabad Mahindra & Mahindra IIT, Delhi	Machine Design (Bearing) Finite Element Method Advance Trend in Manufacturing Process Power Generation & Water Recovery From Industrial Flue Gases
Mr. Manish Vashistha Dr. Rakesh Saxena Prof. Anil Agarwal Dr. Avinash Parashar Mr. Abhinav Jindal Mr. Abhishek Dhiman Mr. Amit Kumar Mr. Praveendra Pratap Singh Mr. R.K. Garg	Infosys Technologies Ltd. G.B. Pant Agri. Univ. Pantnagar IT, BHU IIT Roorkee NTPC ONGC NTPC, Delhi IES Director NPCIL	Future Prospect in Corporate World for Engineers CAD & Vibration 6 Sigma-for Quality Improvement Composite to Nano Composite Moving Out of a Campus How to Crack PSUs? Scope of Mechanical Engineer in Public Sector Challenges during the preparation of IES & PSUs Automic Energy Utilized for Generation of Electrical Power How to qualify GATE and ES(Engineering Service Exam) Entrepreneurship Development
Mr. Umesh Agalvi	NTPC, Mauda, Nagpur	
Mr. Harjinder Singh Cheema	Cheema Boilers Ltd., Chandigarh	
Mr. Saurabh Sharma Dr. Meghanshu Vashista Mr. Ravi Shankar Kochak	Sofcon India Pvt. Ltd. IIT, BHU Vice Chairman, IMEECH E South Asia Region, IMECE	An Introductory workshop on Auto-CAD & Solid works Grinding and Super Finishing Opportunities of Mechanical Engineering in Society
Dr. Rakesh Saxena Dr. Mohammad Talha Mr. Kuldeep Singh Dr. Deepak Kumar Dr. G.N.K. Ramesh Bapu	College of Technology, GBUAT, Pantnagar IIT, Mandi Techno-Soft IIT, Delhi Central Electro Chemical Research Institute Karai Kudi, Tamilnadu	An Investigation in the Mechanical Properties of Trabecular Bone & Prosthetic Engineering Product Realization (Concept to design) Computational Fluid Dynamics Surfaces and Interfaces in Tribology Corrosion Prevention & Electroplating
Dr. Jayanth Jain Dr. Kuldeep Singh	IIT, Delhi Central Electro Chemical Research Institute Karai Kudi, Tamilnadu	Emerging Material and their properties Corrosion Prevention & Electroplating
Dr. Vineet Tirth	King Khalid University, Abha, Saudi Arab	Recent Trends & Use of Technology in Technical Education
Dr. Rakesh Saxena Dr. Deepak Kumar Dr. S. Fatima Prof. S.K.Saha	GBPUAT, Pantnagar IIT Delhi IIT Delhi IIT, Delhi	Vibrations and its applications Metrology, Engineering Surfaces and Friction Reliability And Maintenance Robotics2Rural: Innovative Teaching and Research Approaches,
Dr. Akshay Dvivedi Dr. Mohammad Talha	IIT, Roorkee IIT, Mandi	Micro Manufacturing and Engineering Design and analysis of high technology materials for Aerospace & orthopedic applications
Er. Amit Dixit	BHEL, Noida	Introduction of Fluid Mechanics



# DEPARTMENT OF ELECTRICAL ENGINEERING



## **HOD** HEAD OF DEPARTMENT

**DR. RAJUL MISRA**

### QUALIFICATION

B.E. NIT Kurukshetra  
M.Tech. (MNNIT) Allahabad  
Ph.D. NIT Kurukshetra

### EXPERIENCE

26 Years

### AREA OF EXPERTISE

Electrical Machines

### PUBLICATIONS

37 Research Papers

### INTERNATIONAL -25

NATIONAL - 12

### **VISION**

To achieve excellence in imparting education in the field of Electrical Engineering by creating competent professionals for Industry, Academia & Socio-economic development to meet National and International needs.

### **MISSION**

To provide students with supportive environment that facilitates learning to solve the problems in the field of electrical engineering and to prepare them to be successful and ethical human beings as well as professionals as they move to industry, academia and other professions.

### **DEPARTMENTAL LIBRARY**

Apart from central Library, department also has its own Library for quick reference facility to students and faculty members. It has a rich collection of documents which include books and bound volumes of project reports. However substantial quality information sources on humanities and social sciences are also available.

### **CLASS ROOMS**

Well Furnished Lecture and Tutorial rooms as per AICTE norms.



## ABOUT THE DEPARTMENT

The Electrical Engineering Department of MITGI aims to provide high quality education, which allows the students to realize their aspiration, potential and to encourage and support creative and innovative projects & activities, to become industry-ready or pursue higher studies of their choice with the vision to be recognized as an international leader in Engineering education, research and the application of knowledge to benefit society globally. Department hold the distinction of imparting education in various fields such as Electrical Machines, Power System, Electrical Drives, Control Systems and Biomedical Engineering. The degree course spans over a period of four years in eight semesters and curriculum is as per the Dr. A.P.J. Abdul Kalam Technical University (APJAKTU, formerly UPTU).

## ACHIEVEMENTS

- Priya Agarwal Student from EE batch scored 2nd rank in AKTU.
- Projects sponsored by UPCST
- Highest no. of Students qualified for GATE 2018-19.
- Students won in zonal & State Level Literary, Art & Sports Competition Organized by AKTU.

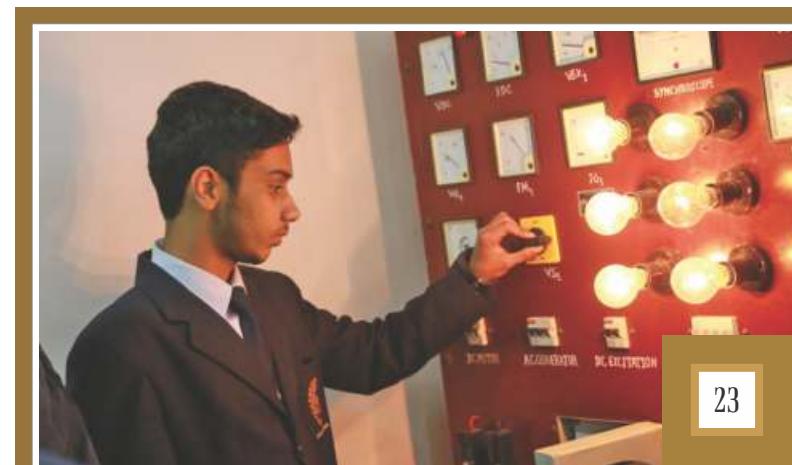
## STUDENT'S SOCIETY

Electrifying Student Society (ESS) Student Society, has a tag line as, "Energizing Enthusiasm", aims to impart competitive skills in the students & works to upgrade the technical knowledge and aptitude of the students. Events organized by the society are Bollywood Trivia, Sports Carnival, Out of the Box, Techno-fight, Back to School, Foodies War etc.



## LABORATORIES

- Basic Electrical Engineering Lab
- Electrical Machine Lab I & II
- Power System Lab
- Power Electronics Lab
- CAD & Simulation Lab
- Electrical Instrumentation & Measurement Lab
- Control System Lab
- Electric Drives Lab
- Electrical Workshop Lab
- Project Lab
- Network Lab



# DEPARTMENT OF ELECTRICAL ENGINEERING

## EXPERT LECTURES & SEMINARS

NAME	INSTITUTE/INDUSTRY	TOPIC
Prof. Dr. Asheesh Kr. Singh Dr. Sanjay Agarwal Dr. Desh Deepak Sharma	MNNIT, Allahabad IGNOU, New Delhi Head EE Deptt., IET, Rohilkhand University, Bareilly	Smart Grid Solar Power Cyber Security Issues in Smart Grid and data mining
Prof. Ashvini Gupta	Professor EE Deptt., IET, Rohilkhand University, Bareilly	Power system Protection and Power Electronics role in energy sector for smart India.
Er. K.C. Agarwal Dr. Bhim Singh	Retd. PWD Engg. Past Secretary of IE (I) Professor, Electrical Engg. Department, IIT Delhi	Career after engineering
Dr. Pramod Agarwal	Professor, Electrical Engg. Department, IIT Roorkee	Power System and its applications
Mr. Varun Agarwal Er. Anshul Agarwal Er. Vishnu	Gate Forum Chief Engineer, PVNL Assistant Engineer, AP Transco, Andhra Pradesh	Converters and its applications
Mr. Sachin Mr. Mustqeem Dr. Alok Pandey	Operational Engineers, SOFCON India Pvt. Ltd. Assistant development commissioner, Special Economic Zone Moradabad	Motivation for Higher studies/ PSUs Earthing of Protection Devices Introduction to Power System
Prof. G.L.Pahuja Prof. Satya Sheel Prof. S.Mukherjee Mr. H.S. Cheema Mukesh Sharma	NIT, Kurukshetra MNNIT, Allahabad IIT, Roorkee Dheema Boiler, Chandigarh Appron	PLC and SCADA Career prospects in public sectors after engineering Reliability Engineering Adaptive Control System Latest Trends in Power System Latest Trends in Power Boiler System Industrial Automation

## PLACEMENT

Some of the Recruiters of the Department

- Evonik Steag, Surat
- IBM India Pvt. Ltd.
- Bhushan Steel Limited, Odisha
- Hindalco Industries
- Infosys Technologies
- Instant Engg. Services, New Delhi
- ABB Ltd
- Fujitsu Ten Minda India Pvt. Ltd.
- National Thermal Power Corporation
- C.L. Gupta
- Tech Mahindra
- HCL Technology
- Mercedes-Benz Car
- Bokaro Steel Plant (SAIL)
- Allianz Global Assistance India
- UST Global
- Owner CAD Centre Rudrapur
- Healthasyst Pvt. Ltd.
- Jenus Power Inf. & Ltd. Jaipur
- BL Agro Groups
- Future Flickers
- Dell International
- Fujitsu Technology Solutions
- UPPCL
- Reliance Industries Ltd.
- EFS Facilities Services (India) Pvt. Ltd.
- Tata Consultancy Services

## SHORT TERM COURSES & INDUSTRIAL TOURS

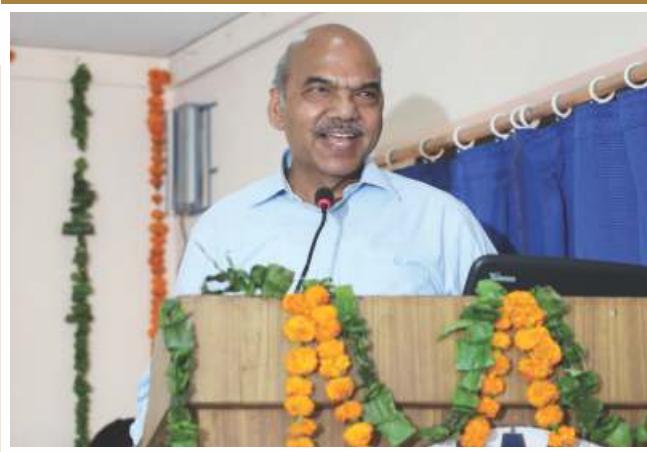
ATTENDED BY	ORGANIZED BY	TOPIC
All faculty members of EE department	NITTTR Chandigarh	STC on "E-governance and Green Technology Entrepreneurship for Technical Institutions "through ICT conducted by NITTTR, Chandigarh
Faculties and Students of department	NITTTR Chandigarh	Smart Grid and Renewable Energy Sources through ICT
Mr. Alok Agarwal, Mr. Maroof Ali & Mr. Saurabh Saxena	IIT, BHU, Varanasi	"Power System Stability & Control"
Ms. Mugdha Mishra	NITTTR, Chandigarh	STC on "Industrial Automation Practices"
Mr. Alok Agarwal	NPTI, Faridabad	"Solar Roof top"

ATTENDED BY	PLACE/ INDUSTRY	UNIT
Students of EE/EN 3rd Year	Mahindra & Mahindra, Haridwar	Automobile
Students of EE/EN 4th Year	Auto Expo, Greater Noida	Automobile
Students of EE 2nd Year	Elecrama 2018, Noida	All Industries
Students of EE 3rd Year	UPPCL, Ram Ganga Vihar, Substation	Power Sector
Students of EE/EN 4th Year	Vimal Transformer, Moradabad	Machine
Students of EE 2nd Year	UPPCL Majholia Substation	Power Sector
Students of EE 2nd /3rd Year	UNO, MINDA Rudrapur	Automobile
Students of EE/EN 3rd Year	MINDA Sparsh Rudrapur	APP





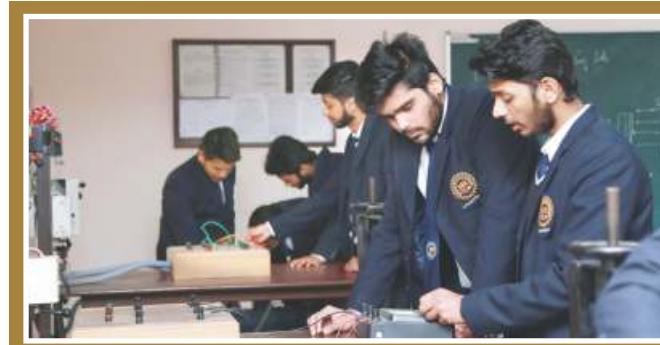
Prof.(Dr.) Alok Prakash Mittal Member Secretary, AICTE, Electrical Engineering



Prof.(Dr.) S.P.Gupta Former Dy. Director, IIT, Roorkee Electrical Engineering

### **SEMINAR /FDP/WORKSHOP ORGANIZED BY DEPARTMENT**

- One-Week **Faculty Development Programme** on "Challenges & Opportunities in Energy Sector for Smart India" Sponsored by Dr. A P J Abdul Kalam Technical University, Lucknow organized by Electrical Engineering Department. This programme was a combination of theoretical exercise & laboratory experiments. The aim of this faculty development programme is to provide exposure to faculty members and faculty staff to the concepts of Challenges and Opportunities in Energy Sector for Smart India.
- **2 days National Seminar on "Technological Scopes in Nurturing Smart India (TSNSI )**" sponsored by AKTU. Experts from Industry, Faculty, Students from various Institutions presented their research papers.
- Department organize **workshop** aiming to provide an opportunity for students, academicians, consultants, industry participants, researchers and scientists to come together and discuss various problems.



### **PROJECTS DESIGNED BY THE STUDENTS**

- Smart Energy Metere
- Smart Weight Disposable System
- Smart Starter
- Solar Car
- Weather Station
- Digital Petrol Pump



# CE

## DEPARTMENT OF CIVIL ENGINEERING



### **HOD HEAD OF DEPARTMENT**

**MOHD. SAQIB QADEER**

**QUALIFICATION**  
M.Tech

**EXPERIENCE**  
11 years

**AREA OF SPECIALISATION**  
Construction Technology  
& Management

**PUBLICATIONS**  
03 Research Papers

### **VISION**

To produce competent, confident and quality civil engineers adorned with ethical values to successfully meet the changing technological needs and to develop technologies through research, and innovations for the economic growth of the nation.

### **MISSION**

- To impart quality education to meet the needs of profession & society.
- To impart problem-specific training & skill development.
- To provide an environment conducive to creativity, innovation, entrepreneurship and team-spirit.
- To provide interactions with people and organizations involved in design and construction of civil engineering structures.

### **PLACEMENT OPPORTUNITIES**

Dream job opportunities in government as well as private sectors are available for Civil Engineering graduates. The popular professions range from construction, consultancy, structural design, water and wastes management, air & noise pollution control, hydropower, infrastructure related industries and research institutes. The Department maintains liaison with Training and Placement cell to arrange campus interview by inviting companies and reputed public sector undertakings. In addition, a number of software and I.T companies also visit the campus for recruitment of graduates. The placement record of students for the last three years has been very encouraging.



## ABOUT THE DEPARTMENT

Engineering has been an important aspect of life since the beginning of human civilization. Civil engineering is regarded as the mother of engineering and is one of the core and oldest branch of engineering. Its history is closely linked to advances in human civilization and is basically related to the creation of various types of structures and their maintenance. Civil engineering is a wide ranging profession, covering construction, designing and maintenance of buildings, bridges, roads, dams, canals, irrigation & water supply system etc, and is linked to knowledge of structures, materials science, geography, geology, soil mechanics, hydrology, environmental science and many other fields.

**Civil Engineering at M.I.T. Moradabad** was started in 2009, to make its contribution towards the development of the society. It was started with an intake of 60 students in the session 2009-10, which later on increased to 120 in the session 2012-13 in view of increasing demand from students. The department has a four storied building with eight different fully equipped laboratories. It offers a four-year degree course leading to the **Bachelors degree** in civil engineering. It trains the students on various modern softwares like **AUTOCAD, STADD, SAP2000, GEO-5** etc. and equipments like **TOTAL STATION, G.P.S.** etc., which bridges the gap of academic and professional field. The faculty of Civil Engineering at M.I.T. is continuously making efforts to impart quality teaching at the undergraduate level to attain excellence and thus to empower students to meet the technological needs and socio-economic challenges.

## SCOPE OF CIVIL ENGINEERING

### RESEARCH WORK:

Research is carried out in different areas of civil engineering. Laboratories of the department provide the teachers and students at MIT a unique opportunity to carry out exploratory study into the realms of Engineering. Research interest of civil engineering faculty includes:

- Reliability based design
- The static and seismic stability of natural and excavated slopes
- Ram Ganga River Pollution Monitoring
- Sustainable urban development
- Noise Pollution Indices study and mapping
- Environmental Management and Policy analysis
- Pavement and Transportation materials
- Transportation system analysis
- Structural Health Monitoring
- Solid industrial waste management – utilization & disposal
- Geo-hazard with particular reference to Landslide.



### INDUSTRIAL VISIT FOR STUDENTS

ID Industry	District	Course	Branch	Students
CSIR-CBRI, Roorkee	Roorkee	UG	CE	43
Sadbhav Engg. Ltd. Bilaspur	Bilaspur	UG	CE	77
EVA Developers Pvt Ltd.	Moradabad	UG	CE	49
OSS Construction Pvt. Ltd.	Rampur	UG	CE	32
JMR INFRA	Moradabad	UG	CE	32
Saharanpur Smart City, Ltd.	Saharanpur	UG	CE	34

OSS CONSTRUCTION PVT. LTD., RAMPUR



JMR INFRA, MORADABAD

# DEPARTMENT OF CIVIL ENGINEERING

## GUEST LECTURES

In civil engineering dept., emphasis is given not only on making the student academically brilliant, but true leaders and team players, thus preparing the student for real world.

This is done by inviting people from industries and top institution to provide valuable information to our students. Recent guest lectures are as follows:-

Name of Expert	Topic of Lecture	Expert's Organisation
Mr. Tabish Ali	Overview of Hydraulic Structures in Irrigation Department, Uttar Pradesh	Sub Divisional Officer, Irrigation Department, U.P.
Mr. Raj Mohammad	Site Management	Project Manager, Mars Planning & Engineering Consultant
Er. Ankit Gautam	Scope of Civil Engineering in Industry	Project Manager, Jal Jeevan Mission at Jaisalmer District
Mr. Sahil Bhatnagar	Organic Composting	Construction Engineer, Jhamman Lal PG College, Amroha
Mr. Uday Bhaskar	Field Structural Engineer DB Engineering & Consulting GmbH,	Bridge and It's Foundation
Mr. Mohammad Azam Waris	Practical of Civil Engineering, Construction Process & Repair and Retrofitting of Structures.	Executive Engineer, U.P. Housing and Development Board, Moradabad
Mr. Sanjay Narang	Awareness Program	MADE EASY Education Pvt. Ltd.





## LABORATORIES

- Transportation Engg Lab
- Geotechnical Engg Lab
- Building Material & Construction Lab
- CAD Lab
- Environmental Engineering Lab
- Fluid Mechanics & Hydraulics Lab
- Surveying & Geoinformatics Lab
- Structural Analysis Lab

## STUDENT SOCIETY

Civil Engineering student society (CESS) is an active & vibrant body managed by the students of the department. CESS organizes college level competitions on different aspects. Large number of students participate in this competition. Top teams are awarded with prizes.



# ASH

## DEPARTMENT OF APPLIED SCIENCES AND HUMANITIES

### VISION

Imparting basic knowledge of science and human values for the benefits of the society through education system, for laying a strong foundation at the beginning level of engineering to meet complex technological needs of the society.

### MISSION

To transform the department into one of the leading departments by providing the required high quality infrastructure, professional values and ethics with strong bedrock to excel in technical knowledge.

### ABOUT THE DEPARTMENT

The growth of human civilization is the manifestation of advances in science with its applications in the form of engineering, technology, medicine and other applied branches. Since the universe came into existence and the lives on the earth planet started, human being initiated to discover. But the human civilization has many dimensions highly interwoven with science, art, culture, behavioral science etc. Hence, the education of science and engineering must include social and behavioral science where the students can navigate the judicious application of scientific principles along with human moral and social understanding.

The Department of Applied Sciences and Humanities, following its basic ethics, imparts excellent quality education in the areas like Physics, Chemistry, Mathematics, Professional Communication, Management Studies, Environmental Studies, and Sociology to the future technocrats of all streams and enhances innovative thinking among them.

For the fulfillment of teaching and research goals, the Department has 14 competent faculty members including 13 Ph.Ds, with a high degree of excellence, who keep pace with the current developments in their fields of specialization. The department provides ample opportunities and facilities for research and development along with well-equipped state-of-the- art Physics and Chemistry laboratories. Living in an era of communication, the Department also boasts of its possession of two state-of-the-art Language Laboratories.

### HOD HEAD OF DEPARTMENT

DR. MANISH SAXENA

QUALIFICATION  
M.Sc., M.Phil., MBA, Ph.D.

EXPERIENCE  
30 Years of Teaching &  
Research Experience  
Guided: 10 Ph. D. Thesis

AREA OF EXPERTISE  
Optical Storage Media

PUBLICATIONS  
More than 80 Quality  
Research Papers

### SPECIALIZATION IN BASIC SCIENCES

The following are the specializations in basic sciences.

#### Physics

- Nanotechnology
- Optical Memories
- Photovoltaic Cells

#### Chemistry

- Water Pollution
- Extraction of Metal from Alloys and allied Wastes

#### Mathematics

- Fluid Dynamics
- Sampling Theory
- Operations & Research



## LABORATORIES

### THE LANGUAGE LABORATORY

Communication skills have become indispensable for the success of any professional. The English language in particular has become essential in the lives of young people, who aspire to advance their careers anywhere in the world. The linguistic lab plays a vital role in the language learning process. The department of AS&H possesses the two state-of-the-art, digital language laboratories that outsmart even those of the most leading government and private engineering institutes of India. These labs have number of highly advanced facilities that help the students to learn English language with proficiency. Both the labs have been well equipped with extensive superior quality English learning software such as

- Clarity SNET class communication lab that includes start learner, Clarity English Success, Author Plus and Situational Dialogues with Videos related to Resume writing, Interpersonal Skills, Personality Development, Body Language, Public Speaking and Pronunciation etc.
- EWL (English – Wordsworth – Language Lab) that includes listening, speaking, reading, writing and grammar.

These softwares help the students in self learning process. There is a Plasma Display panel and LED/TV in both the labs, which enable the students to excel in the areas of the technical presentation. Various videos on GD, interviews and Personality development are shown to the students time to time. Wide varieties of activities like debates, presentations, extempore, story telling etc enhance the communication skills of the students and help in their personality development.

### THE PHYSICS LABORATORY

Physics is the backbone of science as it is synonymous about findings reasoning and establishing laws. The department of AS&H has a highly well equipped Physics Lab with a spacious Dark Room. All the experimental setups conform to the requirement of University. In all, there are around 40 fully functional apparatus in the lab. All the apparatus used are calibrated by the faculty from time to time.

Some of the important instruments/setups include the following:

- Newton's Ring Setup
- Diffraction Grating Setup
- Hall Effect Setup
- Tangent Galvanometer
- Fresnel's Biprism
- Energy Band Gap
- Nodal Slide Setup
- Carey Foster's Bridge

### THE CHEMISTRY LABORATORY

In the domain of Science, Chemistry encompasses a wide spectrum involving processes of preparation all metals, non-metals, plastics, mixtures, various minerals and chemicals, compounds, etc. All the living and non-living beings in the universe are full of chemistry.

The chemistry lab of the department is well equipped with state-of-the-art technology having various equipments and glassware. The lab offers a complete requirement as per AKTU syllabus. The notable equipments of the chemistry lab include the following.

- Automatic weighing balance
- Magnetic Stirrer
- pH meter
- Calorimeter
- Distillation Unit
- Volumetric titration equipments



# PHARMA

MET FACULTY  
OF PHARMACY

## VISION

"From access to quality"- in all spheres, so as to project the institute as a Centre of Excellence which brings in the desired self respect, sense of pride, an inherent moral responsibility and confidence for self entrepreneurship among its students.

## MISSION

Building an environment which promotes research, inquiry, creativity, innovation, learning and technology appropriate for modern India as well as the expanding international market involving collaboration with industry. Institutions of higher learning and other stakeholders to assure contextual and quality education through development of a missionary zeal amongst teachers towards the cause of education in general, welfare of the students and intrinsic development of the Institute which can be brought about only by shifting the management of learning, from the realm of individual to the domain of networked groups for best transfer of knowledge.

## PHARMACY AS A PROFESSION

Pharmacy is the health profession that has the responsibility for ensuring safe, effective and rational use of medicines. A pharmacy professional is involved in the manufacture, sale of drugs and new drug discovery and development. Pharmaceutical research & development (R&D) is regarded as a vital component of drug development strategy that provides a sustainable, long term competitive advantage. The rapidly changing economic, trade and intellectual property scenario nationally and internationally poses many challenges. This necessitates a shift in the approach of the pharmaceutical industry to move away from manufacturing only known drugs through innovative process routes to discovering and commercializing new molecules. Pharmacy graduates seek their career in manufacturing, quality assurance & control, formulation & development and sales and marketing.

Course	Compulsory Subjects	Anyone of the following Subjects
M.Pharm (Pharmaceutics)	B.Pharm (Pharmaceutical Science)	-
M.Pharm (Pharmaceutical Chemistry)	B.Pharm (Pharmaceutical Science)	-
B.Pharm	Physics & Chemistry	Mathematics/Biology
D. Pharm	Physics & Chemistry	Mathematics/Biology

### For Admission in B.Pharm. II year (Lateral entry)

Candidates who have passed Diploma in Pharmacy (D.Pharm.) from recognized Board/University/Institution.



QUALIFICATION  
M. Pharm., Ph.D

EXPERIENCE  
26 Years

AREA OF EXPERTISE  
Pharmaceutical Sciences

PUBLICATIONS  
46 Research Papers

## EDUCATIONAL VISITS

Faculty of Pharmacy regularly organizes educational visits for students to keep them up to date with the latest technologies employed in Pharmaceutical Industries. These visits also provide a platform for students to interact with experts of industries.

## ABOUT THE DEPARTMENT

Faculty of Pharmacy established in year 2009 by Moradabad Educational Trust is one of the premier institutions imparting education in Pharmaceutical Sciences in Uttar Pradesh. The Institute offers 2 years Postgraduate course (M.Pharm.) in two specializations (Pharmaceutics & Pharmaceutical Chemistry), 4 years degree course (B. Pharm.) and 2 years diploma course (D. Pharm.) in Pharmacy. The Institute is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow for M.Pharm. & B. Pharm. courses & Board of Technical Education, Lucknow for D. Pharm. course; approved by All India Council for Technical Education (AICTE) and Pharmacy Council of India (PCI), New Delhi.

## SEMINAR AND CONFERENCE

Faculty of Pharmacy regularly organizes guest lectures, seminars, conferences and workshop to keep students updated with latest trends in the field of pharmaceutical sciences.

## TRAINING AND PLACEMENT

The Institute has collaborations with various pharmaceutical industries and institutions for training and placement. Many students were selected in pharmaceutical industries e.g. Genpact Health Care, Nouveau medicament Pvt. Ltd., Abbott India Ltd., Akums drugs & Pharmaceuticals Ltd. etc.

## FACULTY

Name	Qualification	Designation
Prof. (Dr.) S.R. Swain	M. Pharm. Ph. D	Director
Dr. Manjari Mittal	M. Pharm. Ph. D	Professor
Dr. Ashok Kumar Rajpoot	M. Pharm. Ph. D	Professor
Dr. Mandeep Kumar Gupta	M. Pharm. Ph. D	Professor
Dr. Bhuvnesh Kumar Singh	M. Pharm. Ph. D	Professor
Dr. Vaishali	M. Pharm. Ph. D	Professor
Dr. Ekta Verma	M. Pharm. Ph. D	Asso. Professor
Dr. Nikhil Singh	M. Pharm., Ph.D	Asso. Professor
Dr. Shalini Kumari	M. Pharm. Ph. D	Asso. Professor
Dr. Priya Tiwari	M. Pharm., Ph.D	Asso. Professor
Dr. Shivani Agarwal	M. Pharm. Ph. D	Asso. Professor
Mrs. Bhawna Rathi	M. Pharm.	Asso. Professor
Mrs. Ruchi Agarwal	M. Pharm.	Asso. Professor
Mr. Pankaj Singh Patel	M. Pharm.	Asst. Professor
Mrs. Madhusmita Sahu	M. Pharm.	Asso. Professor
Mr. Rahul Chauhan	M. Pharm.	Asst. Professor
Mr. Vivek Kumar	M. Pharm.	Asst. Professor
Mr. Anil Kumar	M. Pharm.	Asst. Professor
Ms. Ragini Gupta	M. Pharm.	Asst. Professor
Mr. Shivam Kumar Gupta	M. Pharm.	Asst. Professor
Mr. Nilkantha Bapu Nagarale	M. S. Pharm.	Asst. Professor
Ms. Priya Thakur	M. Pharm.	Asst. Professor
Mr. Prashant Kumar Gupta	M. Pharm.	Asst. Professor
Ms. Pinki	M. Pharm.	Asst. Professor
Ms. Kanupriya	M. Pharm.	Asst. Professor
Mr. Hritik Goswami	M. Pharm.	Lecturer
Mr. Ayush Deo	M. Pharm.	Lecturer
Ms. Bharti Oli	M. Pharm.	Lecturer
Mr. Jatin Agarwal	M. Pharm.	Lecturer
Ms. Geetanjali Mehara	M. Pharm.	Lecturer
Mr. Akash Sharma	M. Pharm.	Lecturer

## INFRASTRUCTURE AND FACILITIES

### LIBRARY

The institute has digital library which provides a cozy and peaceful atmosphere for students. The library has more than 7,000 books on various core subjects in Pharmaceutical Sciences. It is also rich in a wide range of reference books. The institute subscribed 20 national/international journals and e-journals. The institute is also an honorary member of globally recognized digital library network DELNET. The institute publishes an international journal "MIT International Journal of Pharmaceutical Sciences"

### LABORATORIES

The institute has state of the art laboratories for industrial training. The laboratories are well equipped with modern instruments and equipments. The major laboratories are as follows:

### PHARMACEUTICAL CHEMISTRY LAB

It is meant for test and identification of impurities, synthesis and purification of chemical compounds and analysis of biological samples like urine, blood etc. It is meant for synthesis, purification and identification of medicinally active compounds.

### PHARMACEUTICAL ANALYSIS LAB

It is meant for analysis, quality assessment and quality control studies of drugs and pharmaceuticals.

### PHARMACEUTICAL BIOTECHNOLOGY LAB

It is meant for utilizing living cells and cellular materials to create pharmaceuticals or diagnostic products. It is also used to study and to alter genetic informations of animals or human to cure the diseases.

### PHARMACOGNOSY LAB

It is meant for extraction, isolation, purification, identification and evaluation of active constituents from medicinal plants.

### PHARMACOLOGY LAB

The pharmacological studies of drugs and crude extract on experimental animals are carried out. The new drug molecules are also screened to determine their pharmacological activities and side effects.

### PHARMACEUTICS LAB

It involves formulation & development of new dosage form, new drug delivery systems, controlled release formulations and stability studies.

### CENTRAL INSTRUMENTATION FACILITY

It is equipped with sophisticated instruments like FT-IR spectrophotometer, UV-Visible spectrophotometer, HPLC, Haematology Analyzer, Photofluorometer, Fermenter, Karl-Fischer Titrimeter, Brookfield viscometer, Flame photometer, polarimeter, Colorimeter.

### COMPUTER LAB

The institute has a well equipped computer lab with 70 computers updated with advanced software and broadband internet connectivity.

### MEDICINAL PLANT GARDEN

The medicinal plant garden has more than 100 medicinal plants including some rare species.

### ANIMAL HOUSE FACILITY

The institute has CPCSEA approved animal house facility for pharmacological activities and research work.

# Pharma

MIT COLLEGE  
OF PHARMACY



## DIRECTOR OF THE COLLEGE

PROF. (DR) NALINI  
KANTA SAHOO

### QUALIFICATION

M. Pharm, PhD, Post Doc  
(IUH, VIETNAM) SRAP,  
FSASS, FSIRG

### EXPERIENCE

Academic: 17 Years

Guided: 25 UGs

15 PGs

03 PhDs

### AREA OF EXPERTISE

Metabolomics, Proteomics,  
Bioanalytical, Analytical R&D

### PUBLICATIONS

Research Publications- 84

Books & Book chapters- 07

Patent Publications- 15

Design Patent- 04

### FUNDED RESEARCH

Consultancy project -1

Intramural research -1

MIT College of Pharmacy is established under the ambient of MIT Group of Institutions, Moradabad, affiliated to Dr. A. P. J. Abdul Kalam Technical University, Lucknow and the Board of Technical Education (BTE) & approved by the Pharmacy Council of India (PCI).

MIT College of Pharmacy is a unique blend of excellence and commitment. Wonderful ambiance to learn, excellent lab facilities with well-equipped machinery, 100% cooperation, and a friendly environment to learn and grow are the key features of our institution. Our institution is complex and designed specifically for health education, research, and practice.

### VISION

Our vision is to be a globally renowned pharmaceutical institute and research center which provides an empowering learning experience and capacity-building for leadership, entrepreneurship, and innovation.

### MISSION

- To provide the highest quality education in the areas of Pharmaceutical Sciences.
- To promote innovative and efficacious research.
- To collaborate with National and International research Centers.
- To link with pharma industries to meet public health challenges.
- To create specialized research centers for the needs of pharmaceutical industries.
- To create social awareness and campaign for improved public health and prevention of diseases in a safe, and cost-effective use of medications.

## PHARMACY AS A PROFESSION

Pharmacy is a healthcare profession focused on the safe and effective use of medications. Pharmacists, with extensive education and training, dispense prescriptions, provide patient counselling, and collaborate with healthcare teams. They work in diverse settings like community pharmacies, hospitals, and industry, contributing to patient care, medication management, and health promotion. Pharmacists continually update their knowledge and adhere to ethical and legal standards to ensure patient safety.

### Courses We Offer

#### B.Pharm

- Duration: 4 years
- Eligibility: 10+2 with Physics and Chemistry, along with Mathematics/Biology/Biotechnology
- Minimum Percentage: Varies, typically 50-60%
- Curriculum: Mandated by PCI, covering pharmaceutical sciences, pharmacology, pharmaceutical chemistry, and pharmacy practice
- Practical Training: Emphasized, including internships in hospitals or pharmacies
- Internship: One-year period mandated by PCI

#### B. Pharm (Lateral Entry)

Candidates who have passed Diploma in Pharmacy (D.Pharm) from recognized board/university/institution can take direct admission in B. Pharm second year.

#### D. Pharm

D. Pharm (Diploma in pharmacy) is Pharmacy council of India (PCI) approved course with intake of 60 seats. The student who has completed D. pharm can be employed as registered pharmacists in hospital and community pharmacies for dispensing drugs and pharmaceuticals.

Eligibility - 10+2(PCM/PCB), Pass.

## AFFILIATIONS AND APPROVALS

- For Degree Course (B. Pharm.): Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh for 60 intakes.
- For Diploma in Pharmacy (D. Pharm.): Affiliated to the Board of Technical Education, Uttar Pradesh for 60 intakes.

**Approvals:** Both B.Pharm and D.Pharm are approved by Pharmacy Council of India (PCI), New Delhi for 60 intake from Academic Session 2019-20 to till date.

## INFRASTRUCTURE AND FACILITIES

### LIBRARY

The library of MIT College of Pharmacy provides a cozy and peaceful atmosphere for students. The library has more than 5 397 volumes and 694 titles on various core subjects of pharmaceutical sciences. It is also rich in a wide range of reference books. We have subscriptions to more than 15 national and international journals of repute. We have more than 100 subscribed e-journals on various subjects. The library is fully automated with the library management system. Every year about 500 new books is added to the library.



### LABORATORIES

We have 14 well-planned and designed laboratories for hassle-free, practical work. The laboratories are well-equipped with modern instruments and other infrastructure required for day-to-day practical training. Every student is given individual attention and the infrastructure is sufficient to cater to individual requirements. :

The major laboratories are –



**THE PHARMACEUTICAL CHEMISTRY LAB** is meant for testing and identification of impurities; synthesis and purification of chemical compounds; analysis of biological samples like urine, blood, etc.

**PHARMACOGNOSY LAB** is involved in providing the basic skills to the students, required to identify crude drugs and adulterants with the help of conventional and advanced analytical techniques.

**MEDICINAL CHEMISTRY LAB** is meant for the synthesis, purification, and identification of medicinally active compounds.

**PHARMACOLOGY LAB** In-vitro and in-vivo studies of the pharmacological effect of drugs and their extract on experimental animals are conducted. It is also suitable for conducting bioassays for determining the strength of the drugs.

**PHARMACEUTICAL ANALYSIS LAB** is suitable for analysis, quality assessment, and quality control studies of drugs on finished products.

**PHARMACEUTICS LAB** is suitable for carrying out activities pertaining to the formulation and evaluation of various pharmaceutical dosage forms.

### RESEARCH COLLABORATIONS

Solely dedicated towards R&D, Innovation with collaboration of different International Pharmaceutical Research Organisation viz.

- CELOGEN PHARMA PVT. LTD.
- YBI foundation
- Crescent Systems
- Aakash Healthcare Private Limited
- Rubicon Skill Development Private
- Heredity Biosciences

**THE PHARMACEUTICAL MICROBIOLOGY LABORATORY** with its attached aseptic room as per GLP guidelines is suitable for the preparation and sterilization of culture media both for static and broth cultures.

**MACHINE ROOM (PHARMACEUTICS LABORATORY)** has an attached machine room equipped with all the modern equipment and instruments related to the production and in-house quality control of tablets, capsules, liquids, and injectables.

**THE ANATOMY AND PHYSIOLOGY LABORATORY** is meant for anatomical, histological, and histopathological studies of cells and tissues of various organs. Many models and charts of various systems are available for an easy understanding of human physiology. Various haematological and serological examinations can also be carried out in this lab.

**COMPUTER LAB of MITCOP** has a separate computer lab with 40 high-end configuration computers outfitted with advanced software and broadband internet connectivity. The laboratory is meant for learning and conducting practicals as per the syllabus.

**PHARMACEUTICAL BIOTECHNOLOGY LABORATORY** meant for the isolation and purification of DNA and RNA from plants and animals. Various types of in vitro plant tissue culture studies are carried out to develop callus and cell suspension cultures.

**PHARMACY PRACTICE** Pharmacy practice labs are crucial for hands-on training in pharmacy education. They cover compounding, dispensing, patient counselling, drug interactions, OTC products, health screenings, technology use, and regulatory compliance.

**MODEL PHARMACY** A model pharmacy is equipped with computers and software for looking up drug information. It prepares students for working in hospital and community pharmacies by providing education adapted to the circumstances of modern medicine.

### FACULTIES PUBLICATIONS AND PATENTS

Total patents- 30

Publications- 66

in Prestigious & peer reviewed journals: SCI-27,

SCOPUS-35, BENTHAM-07

Book Chapters- 6

## FACULTY

Name	Qualification	Designation
Prof. (Dr.) Nalini Kanta Sahoo	M.Pharm, Ph.D., Post Doc (IUH, Vietnam)	Professor & Director
Dr. Vikas Kumar Chaudhari	M.Pharm, Ph.D.	Professor
Dr. Alok Semwal	M.Pharm, Ph.D.	Professor
Dr. Vipul Agarwal	M.Pharm, Ph.D.	Associate Professor
Mr. Hariram Singh	M.Pharm, (Ph.D.)	Associate Professor
Mrs. Archana Gautam	M.Pharm, (Ph.D.)	Associate Professor
Mohd Arif	M.Pharm, (Ph.D.)	Associate Professor
Mr. Gurdeep	M.Pharm, (Ph.D)	Assistant Professor
Mr. Amit Kumar	M.Pharm, (Ph.D.)	Assistant Professor
Ms. Neha Saxena	M.Pharm, (Ph.D.)	Assistant Professor
Ms. Monika	M.Pharm	Assistant Professor
Ms. Sakshi Gupta	M.Pharm, (Ph.D.)	Lecturer
Ms. Komalpreet Kaur	M.Pharm	Lecturer
Ms. Jahanvi Gupta	M.Pharm	Lecturer
Ms. Nishat Fatma	M.Pharm,	Lecturer
Dr. Rahul Kaushal	M.Pharm	Lecturer
Ms. Sneha Rawat	Pharm.D	Lecturer
Mr. Priyanshu Bhardwaj	M.Pharm	Lecturer
Ms. Richa Kharakwal	M.Pharm	Lecturer
Mr. Manoj Kumar	M.Pharm	Lecturer
Mr. Priyank Kulshrestha	M.Pharm	Lecturer

# MBA

## DEPARTMENT OF MANAGEMENT

### VISION

To promote entrepreneurial culture by developing managerial and innovative skills of the students.

### MISSION

- To develop managerial competence of internationally accepted levels.
- To inculcate high professional ethics and human values responsive to community needs.
- To impart professional education and training in the field of management.

### MBA COMPUTER LAB

Computer Lab is well equipped with TFT screen computers and 24 hour Wi-Fi connection. All system are properly networked on LAN which is connected to the main server.

### MASTERS OF BUSINESS ADMINISTRATION

The MBA course aims at providing inputs to the students relevant to the business, industry and trade so that they can function in different organizations and face the challenges arising there from. The course not only aims at providing knowledge and skills in different areas of management, but also provides inputs necessary for the overall development of the personality of the students.

### HEAD OF DEPARTMENT

**DR RAHUL SINGH**  
Associate Professor

#### QUALIFICATION

Ph.D, MBA, B.Tech

#### EXPERIENCE

19 Years

#### AREA OF INTEREST

Economics  
Entrepreneurship  
Operation Management  
Digital Marketing

#### PUBLICATIONS

International Papers-8  
FDP/WORKSHOP-20  
Professional Training-1



## MIT DEPARTMENT OF MANAGEMENT

The Department of Management was established in 2008 with an objective to impart practical management knowledge and nurture leadership. It strives for maintaining reputation for quality teaching, field based assignments, case based learning and productive learning based internship with final placement in reputed organizations. The department has evolved a comprehensive student centric learning approach consisting of several stages, designed to add significant value to the learners understanding in an integrated manner.

Students are open to the elements of their specialization subjects viz Marketing, Human Resource, International Business, Information Technology and Finance through practical via case studies, workshops, lectures/seminars conducted by senior practicing managers from the corporate world. Our academic program is comprehensive and rigorous aimed at nurturing with sound knowledge, application, skill, analytical bent of mind and enthusiasm for work. We at MIT emphasize on both skill and knowledge development through cases, projects and student based teaching methodology.

## STUDENT'S SOCIETY

MBA students' society is formed to look after students' overall development in sphere of personality and intellectual development. The main objective is to give students a platform to show their creativity, capability for event management, communication skills and to ensure a sense of competition amongst them.

The students' society at MIT MBA is truly diverse as students come from different social and cultural backgrounds, and walks of life. As a member of students' society, they get an unparalleled exposure to different cultures, languages, and way of living. Following are the three main student's societies apart from the cultural society:

- Student Finance Society
- Student Marketing Society
- Student Human Resource Society

The events are organized to bring out creative instincts of the students which enhances their personalities. The regular events under these societies are: Cultural Events, Alumni Meet, Debate Competition, Collage Competition, Quiz Competition, Group Discussions, Mock Interview Sessions, Brand Logo Competition, Sports Competition etc.

## GUEST LECTURES

Guest Lectures play an important role in the development process of the students. Eminent academicians and practicing professionals are invited for guest lectures where students get an opportunity to interact closely with them and understand the practical applications of various management and information technology concepts and ideas. Through these activities, students get acquainted with leadership roles, develop group and interpersonal skills and develop the right kind of attitude for success in their careers.



# DEPARTMENT OF MANAGEMENT

## GUEST LECTURE

NAME	DESIGNATION & INSTITUTION
Mr. Ranveer Singh	General Manager, HR, Marque Impex
Prof. H.P. Mathur	Professor, IIT BHU, Varanasi
Dr. Pushpendre Kumar	Professor, Kirorimal College, University of Delhi
Mr. Jitender Chauhan	P.A. to Joint Secretary, Ministry of External Affairs
Mr. Anuj Bhatt	Advertising Expert, New Delhi
Prof.(Dr) Abhishek Mishra	Minister of state for Science & Technology, U.P. Government
Mrs. Rashmi Prakash Jaiswal	Chief Financial Officer, Amar Ujala, New Delhi
Sri Arvind Kumar Jain	Director General, Dr. B.R. Ambedker Police Training College, Moradabad
Shri Param Aijan	CEO, Matrix Corporation, Gurgaon
Dr. Kiran Bedi	Former IPS, Social Activist
Sri Gurdeep Singh	IAS, Director Employment, U.P. Government
Sri Gursharan Singh	M.D., Raunaq Automobiles Component, Gajraula
Prof. Sunita Agarwal	MNNIT, Allahabad
Prof. B. Kumar	NIT, Jamshedpur
Mr. Thomas K. Verghese	G.M.(HR & Admin), Parsavnath Developers, Delhi
Mr. Sunil K. Singh	Institute of Advanced Computing and Management
Mr. Rahul Malik	I.B.M. Gurugram
Mr. Gaurav Saraf	CMS Computer Ltd. Delhi
Dr. M.L. Goyal	G.M., CNC Ltd., Delhi
Prof. A.R. Thakur	Pro. Vice Chancellor, West Bengal University of Technology, Kolkata
Dr. D.S. Chauhan	Ex-Vice Chancellor, U.P. Technical University
Prof. M.L. Agarwal	Head, Case Research Center, American University in Emirates
Prof. A.D.N. Bajpai	Vice Chancellor, Himachal Pradesh University, Shimla
Shri. Arvind Vadhera	Chairman, Export Promotion Council For Handicraft, Delhi
Shri Mangu Singh	M.D., Delhi Metro Rail Corporation, Delhi
Sri B.K. Pandit	Chairman, Prathma Bank, Moradabad
Prof. P.K. Singh	IIM, Indore
Prof. G.C. Agarwal	Ex. Director, MONIRBA University of Allahabad
Sri N. Shekhar	G.M., Prathma Bank, Moradabad
Sri O.P. Srivastava	ITI, Allahabad
Prof. V.K. Nangia	Head, Department of Management, IIT Roorkee
Prof. Neetu S. Bhullar	M.D.I. Gurugram
Sri Suresh Chandra Sharma	Regional Science & Technology Centre, Council of Science & Technology, U.P.
Dr. Z.H. Zaidi	Ex. Vice Chancellor, MJPRU
Dr. H.C. Handa	IIT, Roorkee
Prof. Anil Kumar Agarwal	Department of Management, BHU, Varansi
Sri A.K. Khare	Ex.Vice Chancellor, UPTU
Dr. S.C. Saxena	Director, IIT, Roorkee
Prof. Bharat Bhaskar	IIM, Lucknow
Prof. Janki Anant	IIM, Udaipur
Dr. S. Rangneker	IIT, Roorkee
Prof. B.S. Negi	University of Delhi
Prof. D Israel	XLRI, Jamshedpur
Dr. Kumkum Bharti	IIM Kashipur
Prof. Sunita Singh Sengupta	FMS, Delhi
Mr. Mayank Kumar Goel	XLRI Jamshedpur



Workshop on Handicraft & export promotion



Prof. Sunita Sengupta, FMS Delhi



Jhankaar Beats : Cultural event



Industrial Trip to Parle G

# BBA

## BACHELOR OF BUSINESS ADMINISTRATION

### VISION

To promote entrepreneurial culture by developing managerial and innovative skills of the students.

### MISSION

- To develop managerial competence of internationally accepted levels.
- To inculcate high professional ethics and human values responsive to community needs.
- To impart professional education and training in the field of management.

### BBA Computer Centre



Computer centre is well equipped with TFT screen computers and 24 hour Wi-Fi connection. All systems are properly networked on LAN which is connected to the main server.

### About the Department

The three-year, full-time Bachelor of Business Administration (BBA) curriculum is focused on industry and strives to develop foundational business and management abilities. The program places a strong emphasis on helping students develop their critical thinking and problem-solving skills in practical settings. Through projects, presentations, case studies, and problem analysis, students are equipped to work effectively in teams. The BBA curriculum develops students' skills in 360 ways to prepare them to compete in the world of today.

### BBA Course Help the Student in Developing

- A foundational understanding of management and business concepts
- A solid grounding in principles and applications, both theoretical and practical, to address the diverse demands of global corporate organizations.
- Career paths for corporate and entrepreneurial roles.
- An ability to handle the demands of postgraduate studies both in India and elsewhere, as well as to get ready to manage companies internationally and become socially conscious entrepreneurs.
- Early acquisition of professional abilities.
- A better understanding of management and how to make business decisions like a real leader shortly after 12.



# BCA

## BACHELOR OF COMPUTER APPLICATION

### ABOUT BCA



The Bachelor of Computer Application (BCA) degree is a three-year undergraduate degree that focuses on the study of computer science and information technology. There are a range of topics such as database management, programming languages, software development, computer systems, and more.

Students in the BCA degree program learn how to create and manage database, develop and design computer systems and use of various programming languages such as C, C++, Java and Python.

Graduates of the BCA degree program are able to work in various roles in the IT industry, such as software developers, network administrators, database administrators, and others. Some may choose to pursue further education in this field, such as a master's degree in computer application or computer science.

### Future of BCA

The scope of Bachelor of Computer Application (BCA) in India is very diverse and wide. Students who complete this degree can find job opportunities in various sectors such as government organizations, IT companies, banking and financial institutions, telecommunications, education and healthcare. They may include software developers, system analysts, network administrators, web designers, and IT project managers, among others.

In addition, graduates of this degree can choose higher education such as Masters or PhD

in Computer Science & application. This can help them advance their careers and explore more specialized roles in the field.

BCA has very good scope in overseas as there is a high demand for skilled IT professionals in countries like USA, Canada, UK, Europe, Australia, and New Zealand etc. Students who complete this degree can find employment in these countries and around the world. Some of the roles they can play include software engineer, data scientist, cloud architect, and cybersecurity specialist.

### Career after BCA Degree

There are many career options available after completing BCA. Some of the more common ones are:

**Web Designers and Developers** This involves developing, designing, and maintaining websites for various industries.

**System Analyst** This involves analyzing the needs of an organization and designing computer systems to meet those needs.

**Software Developer** This involves developing, designing, and maintaining software for various industries.

**Information Security Analyst** This includes protecting the organization's computer systems and networks from cyber threats and data breaches.

**Database Administrator** This involves designing, implementing and maintaining databases for various organizations.

**Network Administrator** This includes managing and maintaining the company's computer network, including hardware, software, and security.

**Quality Assurance Testing** This includes tests to verify that the software is free of errors and defects.

**IT Project Manager** This involves planning and managing the development and implementation of IT projects for various organizations.

**Cyber Security** This involves protecting electronic systems, mobile devices, networks, servers, desktops, and data from enemy attacks.

**Mobile Application Developer** This involves designing and developing applications for mobile devices.



### Indian Salary after BCA Degree

Salary after completing BCA degree in India can vary depending on various factors like industry, location and individual experience. According to Glassdoor, the average salary of a BCA graduate in India is INR 3,00,000 to INR 6,00,000 per year. For experienced professionals INR 5,00,000 to INR 12,00,000 per annum.

IT consulting, software and financial services are the most profitable industries for BCA graduates in India. Also, those working in big cities like Pune, Hyderabad, Noida, Mumbai, Bangalore and Delhi earn more than those working in small cities.

It should be noted that salary is not the only factor to consider when choosing a career. Other factors such as job satisfaction, growth opportunities, and company culture should also be considered.

# MCA

## MASTER OF COMPUTER APPLICATION

### ABOUT MCA

The Master of Computer Application (MCA) degree offers a lucrative and goal-oriented career. The MCA course prepares students for a highly productive career in IT and Software companies. MCA graduates can meet the needs of IT professionals in the IT industry with latest technologies. Obtaining a master's degree in computer application allows students to contribute to the development of modern computer techniques in high demand.

This course provides students with theoretical and practical training in advanced tools and technologies in IT and meets the demands of IT professionals.

### Future of MCA

The scope of Master of Computer Application (MCA) in India is very diverse and wide. Students who complete this degree can find job opportunities in various sectors such as government organizations, IT companies, banking and financial institutions, telecommunications, education and healthcare. They may become system designer, software developers, trouble shooter, software application architects, system analysts, software consultant, network administrators, web designers, Technical writer, and IT project managers, among others.

In addition, post graduates of this degree can choose higher education such as PhD in Computer Science & application. This can help them advance their careers and explore more specialized roles in the field.

MCA has very good scope in overseas as there is a high demand for skilled IT professionals in countries like USA, Poland, Canada, UK, Europe, Australia, and New Zealand etc. Students who complete this degree can find employment in these countries and around the world. Some of the roles they can play include cloud architect, software engineer, data scientist, and cybersecurity specialist.



### Career after MCA Degree

There are many career options available after completing MCA. Some of them are:

**Software Application Architects:** A software application architect develops product prototypes. They are also responsible for creating new applications or improving existing ones.

**Technical Writer** A Technical writer is responsible for preparation of documents like journal articles, instruction manuals that are necessary to understand complex technical processes.

**Web Designers and Developers** This involves developing, designing, and maintaining websites for various industries.

**Software Developer** This involves developing, designing, and maintaining software for various industries.

**Network Administrator** This includes managing and maintaining the company's computer network, including hardware, software, and security.

**Information Security Analyst** This includes protecting the organization's computer systems and networks from cyber threats and data breaches.

**System Analyst** This involves analyzing the needs of an organization and designing computer systems to meet those needs.

**Database Administrator** This involves designing, implementing and maintaining databases for various organizations.

**Mobile Application Developer** This involves designing and developing applications for mobile devices.

**Quality Assurance Testing** This includes tests to verify that the software is free of errors and defects.

**IT Project Manager** This involves planning and managing the development and implementation of IT projects for various organizations.

**Cyber Security** This involves protecting electronic systems, mobile devices, networks, servers, desktops, and data from enemy attacks.



### Indian Salary after MCA Degree

MCA salary in India based on experience according to Payscale, the annual income of an MCA graduate in India is roughly 8.95 lakh. Entry-level candidates typically earn between Rs 2-3.5 LPA. Experienced experts should expect their bundle to be between 20 and 25 LPA.

It should be noted that salary is not the only factor to consider when choosing a career. Other factors such as job satisfaction, growth opportunities, and company culture should also be considered.

# CENTRAL LIBRARY



## **HOD** HEAD OF DEPARTMENT

Mr. Rashid Ali

QUALIFICATION  
M.Phil

EXPERIENCE  
Academic 24 Years

PUBLICATIONS  
Research Paper : 10

CONFERENCE/SEMINAR  
Attended : 20

Central library is one of the central support services of the institute. The mission of the central library is to provide information services and access to bibliographic and full text digital and printed resources to students, faculty and staff of the institute. The central library is well equipped with all modern facilities and resources in the form of CD-ROM, Online database, books, journals, standards, and reports etc. It is fully computerized in its operations and services. Central library is committed to provide a world class information support to its users. It is located in the Academic Block- B. It has a rich collections of over 86656 volumes and 8746 titles. The collection is mainly strong in science & technology. However substantial quality information sources on humanities and social sciences are also available. We are currently involved in utilizing the networked information resources for providing recent and most comprehensive access to e- journals, e-books, e-patents and other e-reference resources to the faculty, student, staff, industries, and alumnus under intranet and internet environments.

## **JOURNALS (PRINT)**

Central Library subscribes to more than 54 print journals in the field of technology, applied sciences and management. Prints as well as e- journals are subscribed on the recommendations received from the academic departments. Print journals are displayed in the wooden display racks kept in periodical section. There is separate section to refer to print journals. All back volumes have also been arranged here for reference and issue.



## WEB OPAC (ONLINE PUBLIC ACCESS CATALOGUE)

Online public access catalogue is available for the use of students, faculty and staff members. OPAC provides access to the library holdings through various catalogue and indexes such as the author catalogue, the title catalogue, the subject catalogue and the classified catalogue. Also possible are words-based combination searches using boolean operators that yield highly satisfying and precise result, however complex the query may be. In addition to this OPAC allow to the users to know about their account such as what is due on his/her account, what is due date for returning the material issued to them.

## DIGITAL LIBRARY

The research reference and information services section contains research and reference tools such as atlases, bibliographies, bibliographical dictionaries, data books, dictionaries, (General and Special) directories, encyclopedias, gazetteers guides to literature, hand books, maps, thesaurus, etc. All queries about research problems and scientific information should be addressed to this section. One copy of all the titles have also been arranged here for reference.

## REFERENCE SECTION

The research reference and information services section contains research and reference tools such as atlases, bibliographies, bibliographical dictionaries, data books, dictionaries, (General and Special) directories, encyclopedias, gazetteers guides to literature, hand books, maps, thesaurus, etc. All queries about research problems and scientific information should be addressed to this section.

In addition to central library there are four other libraries of different institutes in MITGI. All the four libraries are well stocked with a wide range of books periodicals journals and magazines relevant to the field. These libraries are well organized and operate on 'Open Access system" and full computerized operations and services.

1. Faculty of Architecture library
2. Faculty of Pharmacy library
3. MIT College of Pharmacy Library

## E-RESOURCES

In Addition to Print journals, E-resources are also subscribed by the central library on the recommendations received from the academic departments. Library subscribes to following e-resources. Besides this, Seven Cr+ contents are available through National Digital Library of India.

### Available packages of E-Journals

Name of Package	No. of Journals
Elsevier Science Direct Engineering Collection	298
Springer Nature Engineering (5 subject collection)	1212
DELNET	670
DOAJ	13662
EMERALD(Management Database)	212
Sage Publishing	72
Statista Campus International	E-Data Base
<b>Total</b>	<b>16126</b>

### Available packages of E-Books

Name of Package	No. of Books
DELNET	2178
DOAB	8800
PHI Learning	111
Oxford University Press	68
Mcgraw-Hill	159
New Age International	220
<b>Total</b>	<b>11536</b>



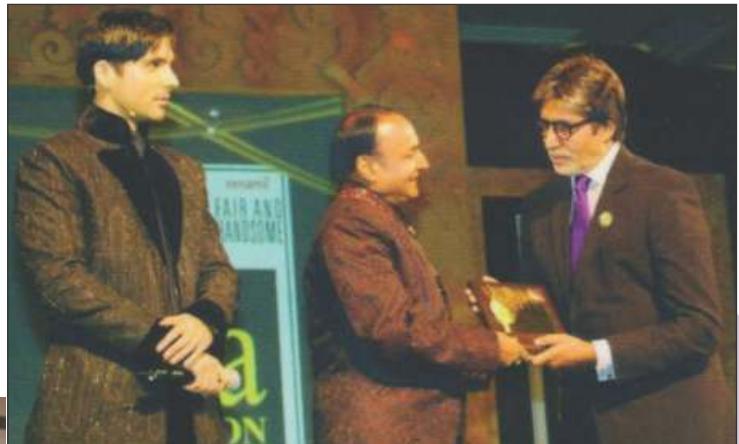






# AR AWARDS AND RECOGNITIONS

Shri Amitabh Bachchan presenting IIFA award for Social Work to Shri. Arvind Kumar Goel, Vice Chairman MIT Group of Institutions.



Shri Y.P. Gupta, Vice Chairman MIT Group of Institutions receiving Award from Mr. Shivakant Ojha, Technical Education Minister, UP Govt. and Dr. Abhishek Mishra, Minister of State for Vocational Education and Interrectual Development, UP Govt., for his contribution in the field of Technical Education.

Founder Chairman Shri Sudhir Gupta Ji receiving " Most Promising Engineering Institute 2024" award by ARDORCOMM MEDIA during Education Leadership Summit held at Lucknow U.P.



Dr. Vineet Tirth, Former Director MIT, receiving Dr. Ram Manohar Lohia Award by MSME & Department of Export Promotion, Govt. of Uttar Pradesh for outstanding performance in service sector.



# EM

## EMINENT PERSONALITIES VISITED MITGI



Visit of Late Dr. A.P.J. Abdul Kalam,  
Former President of India



Visit of Dr. Harsh Vardhan,  
Minister at Ministry of Science  
and Technology (India)  
and Ministry of Earth Sciences.



Visit of Dr. Kiran Bedi, Retd. Director General,  
Bureau of Police Research and Development  
of India and Late Ms. Bina Agarwal,  
Mayor of Moradabad, U.P.



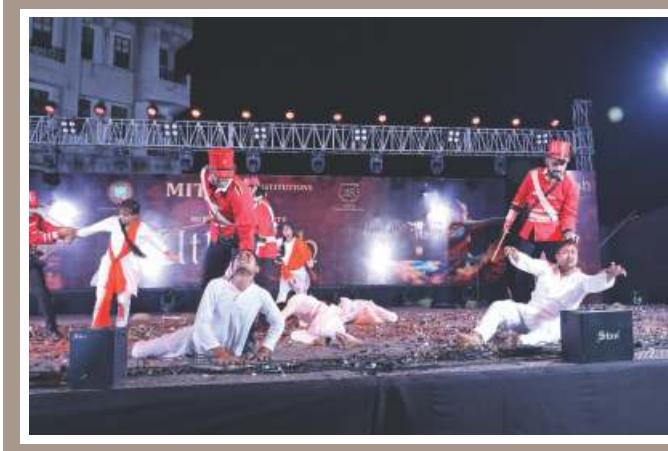
Visit of Prof. (Dr.) Alok Prakash Mittal,  
Member Secretary, AICTE and  
Prof. (Dr.) S.P. Gupta  
Former Deputy Director IIT Roorkee



Visit of Prof. (Dr.) Vinay Phatak  
Vice Chancellor,  
Dr. A.P.J. AKTU, Lucknow

# UTKARSH

MIT CULTURAL SOCIETY



# CAMPUS FACILITIES

## HOSTELS

The Institute has separate boys and girls hostels providing accommodation to the students.

## TRANSPORT

Institute is running its own Bus Fleet on six routes to commute students from adjoining areas around Moradabad region. Transportation is looked after by Sri Vikal Kumar, Assistant Administrative Officer. In case of requirement he may be contacted on 7055165666. The routes of Bus facility includes Rampur (Route No. 1), Chandausi (Route No. 2), Amroha (Route No. 3), Dhampur (Route No. 4), Sambhal (Route No. 5), Thakurdwara (Route No. 6), Noorpur (Route No. 7), Gajraula (Route No. 8), Tanda Wadli (Route No 9),

## MEDICAL

First aid facility is provided to students and staff, free of charge. An in house dispensary is available, with doctor and compounder in the campus for any emergency.

## MULTIMEDIA ROOM

The Institute has an air conditioned multimedia Room equipped with LCD, sound System, video conferencing facilities, with a capacity of 60, where we can arrange lectures from any part of India and aboard.

## CAFETERIA

A large institute cafeteria provides refreshment facilities to the students, faculty and staff.

## INTERNET

The Institute provides internet facilities to all students through Wi-Fi and Cable mode. It has 300 mbps leased line. It is available 24 x 7 in the campus.





# MIT SPORTS ASSOCIATION **MITSA**



4x100 Relay Boys Gold



800 m Silver



100 m Gold



Badminton Girl Silver



Badminton Boy Silver



Kabaddi Boys Gold



Long Jump Gold High Jump Silver



Girls Kabaddi Silver



Basketball Boys Silver



Kho-Kho Girls Silver



Table Tennis Boys Silver



Volleyball Boys Gold



Discuss Throw Gold



Table Tennis Boys Silver



Volley ball Girls Silver

# ACADEMICS AND RESEARCH

## MESSAGE FROM DEAN ACADEMICS



DR. KSHITIJ SHINGHAL  
DEAN ACADEMICS

The Moradabad Institute of Technology (MIT) is one of the leading institutes of Uttar Pradesh, the Institute offers students a journey of learning and discovery into the ever growing, evolving and dynamic field of Engineering, Technology and Management—the fundamental disciplines that underlie contemporary knowledge creation. Over the years, MIT established itself as a favourite destination for the students of this region. It has huge infrastructure, fully developed Labs, a library with wide range of collections and a large armada of highly experienced faculty.

Institute has a conducive teaching, learning and research-oriented environment. It is a community of dedicated students and teachers whose research expands the boundaries of our knowledge and imagination, and whose teaching prepares students for wide-ranging careers and lifelong learning. Our students come from different walks of life and bring with them high ambitions and dreams to make a difference in the society. We nurture in them cultural confidence, professional competence, and versatility to become productive citizens of the country. We inspire their creative minds and help them to have an international perspective, be it in education, character building or even in sports & cultural activities. It is our endeavour to constantly evolve curriculum support by linking theory with practical aspects, so our students stay abreast with the latest updates in this technologically developed world.

As a result of which our students were able to secure positions, get research fundings, grants from various prestigious institutions. Participation in research activities imparts our students two most important skills i.e. creativity and innovation which equips them with skills required in futuristic Jobs. Some projects received by MIT students and faculty are evident of our commitment towards research oriented learning.

As an established engineering institution, we are aware of the fact that our responsibility does not cease by just producing the graduates but help them to get suitable employment during their study tenure. To enhance their employability, we arrange additional support to empower them with latest technological knowledge. Centre of Excellence, Training Classes 'Super 30' from reputed IITians under aegis of external training agency 'Explorin' and value addition certifications from reputed platforms such as Spoken Tutorial- an IIT Bombay Initiative, SWYAM courses NPTEL, Coursera etc. are catering training to students to achieve this objective. You will be happy to note that the Training and Placement Cell of MIT has been continuously helping our students to successfully undertake their career with various industries even at leadership positions in multinational and national companies. We feel proud to announce that in every topmost company you will find an 'MITian' sitting at good position for your hand holding.

The mystery of our success is based on our successful implementation of good academic model based on outcome-based education as per the latest guidelines of 'New Education Policy' along with a commitment to provide quality education. The evidence of which is our excellent performance in National Accreditation Platforms i.e. National Assessment and Accreditation Council (NAAC) and National Board of Accreditation (NBA). As a teaching-learning organization we are focused on continuous improvement – responsive to community needs and making useful contributions to education, knowledge, and the society at large. So, once again, We welcome you to the Moradabad Institute of Technology and invite you to be a proud member of this ever-growing family.

## PROJECTS & INSTITUTE PUBLICATIONS

### RESEARCH / AICTE PROJECTS

Institute faculty is actively involved in research and consultancy activities. Institute has undertaken and successfully completed Research/AICTE Projects and Consultancy assignments.

Project Title	Sponsoring Agency	Amount Sponsored (Rs.)
Expert service on construction monitoring and quality assurance of reinforced ash RC modular block wall construction for capacity segmentation of ash mound	Hindalco Industries Ltd.	59.50 Lakhs
Storage Capacity Augmentation of Ash pond at Bichari Renusagar, U.P.	M/s Hindalco Industries Ltd. Renusagar, U.P.	25.0 Lakhs
Capacity Augmentation & Safe Storage of Ash at Hirakud, Odhisa	M/s Hindalco Industries Ltd. Renusagar, U.P.	24.50 Lakhs
Design & Fabrication of Rainwater Harvesting	Moradabad Institute of Technology	0.58 Lakh
Skill Development in Clusters: Moradabad Brassware	International Labour Organization	1.40 Lakh

Project Title	Sponsoring Agency	Amount Sponsored (Rs.)
Development of Modular Employable Skills-Training Curriculum and Trainer's Guide for Engraving-level 2, Etching level 2, Electroplating and Lacquering in Brass Sector	International Labour Organization	1.75 Lakh
Modernization and Removal of Obsolescence (MODROBS) Scheme for Applied Thermodynamics Lab	AICTE	10.00 Lakh
Development and characterization of 2218 Aluminium Alloy Al203-TiO2 Hybrid MMC and investigation into treatment response (RPS)	AICTE	8.25 Lakh
Modernization and Removal of Obsolescence (MODROBS) Scheme for Material Science & Testing Lab	AICTE	5.75 Lakh
Solar Radiation Resource Assessment (SRRA) Station	GOI	40.00 Lakh
Modernization and Removal of Obsolescence (MODROBS) Scheme for Manufacturing Science Lab	AICTE	6.47 Lakh
Performance enhancement of Solar PV System using metallic fins and phase-change material	AKTU	4.80 Lakh
Implementation and Optimization of Illumination of Switching Patterns in Smart Cities Using IoT	Collaborative Research and Innovation Program (CRIP) Through TEQIP-III of AKTU	3 Lakh
Receiver Buffer Blocking in Multipath Communication	Collaborative Research and Innovation Program (CRIP) Through TEQIP-III of AKTU	3 Lakh
Technological Scopes in Nurturing Smart India	Dr. APJ AKTU, Lucknow	Rs. 50000
Anti-Derailment and Health Facility (ADHF) System	CST UP, Lucknow	Rs. 50000
Entrepreneurship Awareness Camp	DST-NIMAT	Rs. 20000
WateroBoat	CST UP, Lucknow	Rs. 20000
Bike and Rider Health Monitoring with Anti-Theft System (BRHMAS)	AICTE Smart India Hackathon	Rs. 75000
Flying Cop	DST & Texas Instruments	USD400 comp
Health Band	Dr. APJ AKTU, Lucknow	Rs. 16000
Entrepreneurship Awareness Camp	EDII, Ahmedabad	Rs. 20000
Smart Washbasin	Dr. APJ AKTU, Lucknow	Rs. 12000
Entrepreneurship Awareness Camp	NIESBUD	Rs. 20000
Bike & Rider Health Monitoring with Antitheft System	DST & Texas Instruments	Rs. 20000 and USD400 comp
Faculty Development Program on Outcome based Pedagogic Principles for Effective Teaching	TEQIP-III, Dr. APJ. AKTU, Lucknow	Rs. 220000
Automatic Waste Segregation System	CST UP, Lucknow	Rs. 20000
Faculty Development Program on Smart Energy Systems	TEQIP-III, Dr. APJ. AKTU, Lucknow	Rs. 220000
Waste Management and segregation system	Tula's Institute Dehradun	Rs. 25000

## MIT PUBLICATIONS

Moradabad Institute of Technology under the name of MIT Publications publishes international academic journals in the field of Pharmaceutical Sciences and Engineering & Technology. These journals aim to promote the integration of research and innovation in all important areas of our focus viz. Computer Science, Information Technology, Electrical & Instrumentation, Electronics & Communications, Mechanical and Pharmaceutical Sciences. At present following journals are being published under MIT Publications.



# TRAINING PLACEMENT & CORPORATE AFFAIRS

# TP & CA

The Training & Placement office of MIT Group of Institutions is a hub of interaction between the HR Executives looking to hire the best talent and the students who are waiting to give their careers a wing. We have been continually and consistently recording high placements – both in the core sector firms to the IT/ITES companies TCS, HCL, Tech. Mahindra and more than 100 companies have been regularly visiting our campus for recruitment. This we owe to the analytical and technical skills that are imparted to our students along with their prescribed curriculum. Our students have been able to start their careers right out of the college and we are proud of their achievements also we seek to form a mutually beneficial and enriching experience with your esteemed organization.

I also welcome interaction with industries at various levels, such as, guest lectureships, workshops, mentorship, joint R & D projects, etc. I extend warm invitation to the organizations/companies seeking to recruit fresh graduates and engineers to our serene campus for selecting human resources that is par excellence.

## CAMPUS RECRUITMENT DRIVE



Accenture



Tata Consultancy Services



Mahindra CIE



Meta Square Technologies



## DEAN - TRAINING & PLACEMENT

### Dr. MADHAVENDRA KUMAR

QUALIFICATION  
Ph. D

EXPERIENCE  
25 Years in Industry  
8 Years in Training  
& Placement

## CO-ORDINATORS

NAME	DEPT.
Mr. Anurag Malik	CSE
Mr. Prabal Bhatnagar	CSE
Mr. Prashant Singh	ME
Mr. Saurabh Saxena	EE
Mr. Manas Singhal	EC
Dr. Bhubnesh Kr. Singh	B.Pharm.
Ms. Sakshi Gupta	B.Pharm.
Dr. Sapna Kumari	Civil
Mr. M.S. Fartyal	Executive T&P
Dr. Sachin Bhardwaj	MBA

# COMPANIES ASSOCIATED FOR SUMMER TRAINING & PLACEMENT

## COMPANY LOGOS



Tata Consultancy Services, Delhi	Planet Spark	syscom
Hindustan Uniliver Limited	Accenture asp	Radico
99 acres	Optimus	Westin
Cloud Analogy	JBM	uCertify
entab	Siemens	ICICI prudential
IBM	Jindal India	Newel
amazon	Carrum	Mindtree
Jaro Education	birlasoft	Shriram finance
MAMSYS	InterGlobe	Intellipaat
Tech. Mahindra, Noida	GSS	Vedantu
VWDN Technologies	EL effectlabs	Sapient
WIPRO, Noida	GTL	newgen
Prism Johnson Limited	Cummins	Capgemini
Sopraa Steria	Infosys	RACL
Nagarro	Hike Education	curelink
Tesa	Cognizant	Mphasis
Mahindra	Organosys	TCI Express
ACE	Bosch	MahindraCIE
Syntel	AIS	IGT
HCL	Motherson	Designco
Vodafone	Halonix	Walmart
PLANET SPARK	JTG	Cadbury



Hike Education



Sopra Banking



MindTree



Tech Mahindra



RACL Geartech



Scope Telecom

# CAMPUS RECRUITMENT DRIVE



Mamsys Consultancy Pvt Ltd.



Bajaj Auto



Scope Telecom



Gajraula, UP, India  
NH 9, Gajraula Industrial Area 2, Gajraula,  
244235, UP, India  
Lat 28.812395, Long 78.225704  
05/10/2024 12:42 PM GMT+05:30  
Note : Captured by GPS Map Camera

Karl Storz



INFOSYS



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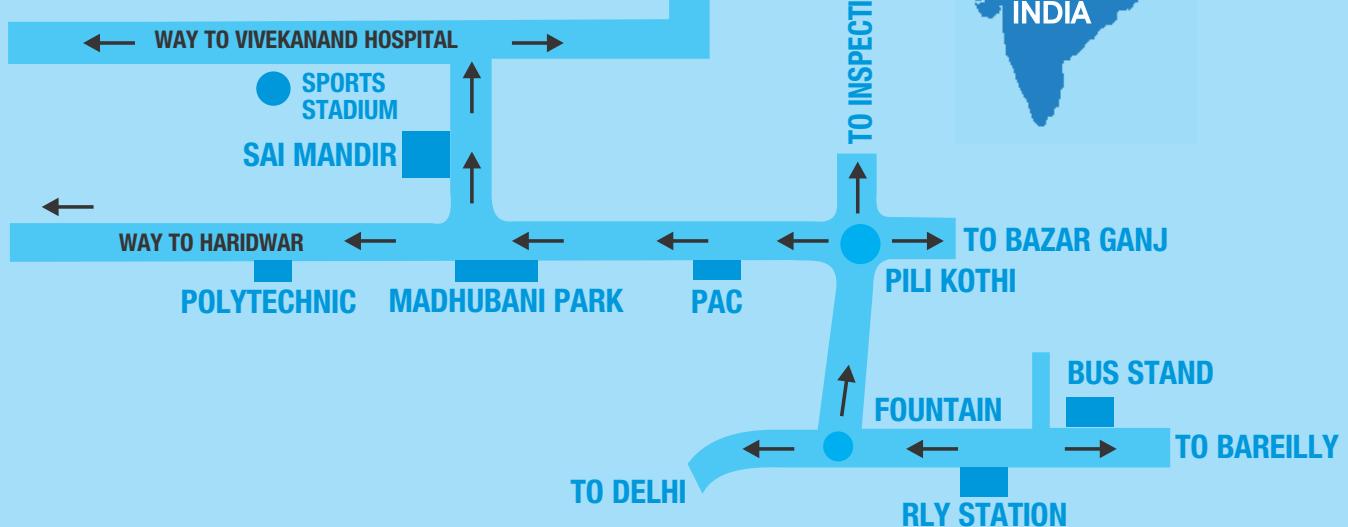
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### Location Map



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