

## HOW TO APPLY/REGISTRATION/COURSE FEE

Fee Type	Registration Fee
For Other University/ Institute Students	INR 15,000/-
For MMMUT Students	INR 7,500/-
Accommodation Fee (if opted Hostel)	INR 350/- per day
Food	Chargeable

A fee shall be paid by online mode. The registration fee will include registration kit, high tea. The selection is on a first come first served basis depending upon the availability of seats. Registration charges are non refundable for selected participants. Online registration can be done in following three steps:

**Step 1:** Register by going through the following link <https://bit.ly/SIIDAIMMMUT> or by scanning QR code given on next page.

**Step 2:** Fill the google form and upload the required documents.

**Step 3:** Submit the google form.

**Note:** Only the shortlisted candidates are required to deposit the registration fee. The account number for the same will be provided at the time of display of the list of shortlisted candidates.

### Eligibility

Students of various institutions comprising of B.Tech./M.Tech./MS/MCA courses are eligible to register.

### Important Dates to Remember

Date Type	Date
Registration Start Date	15th May 2022
Last Date of Registration	6th June 2022
Notification of shortlisted candidates (Through Website)	8th June 2022
Last Date for deposition of Registration Fees	15th June 2022
Commencement of Training Programme	20th June 2022

### Boarding and Lodging

Limited accommodations are available in the MMMUT Hostels for outstation participants on a chargeable basis with an advance request. The participant will not be paid any TA/DA.

## AWARDS

The participants who have completed a minimum of 3 projects, and have a minimum of 75% attendance, will be given "Successful Completion" certificate.

The best project from each domain (IoT, Drone and Artificial Intelligence) will receive medals and certificates.

All participants will receive a participation certificate.

## EMINENT SPEAKERS

Prof. Dharmendra Singh, IIT Roorkee  
Prof. N.S. Raghava, DTU, Delhi  
Prof. R. K. Chauhan, MMMUT, Gorakhpur  
Prof. S. K. Vishwakarma, IIT Indore  
Prof. Sanjay Kumar Soni, MMMUT, Gorakhpur  
Dr. Prabhakar Tiwari, MMMUT, Gorakhpur  
Dr. Rajan Mishra, MMMUT, Gorakhpur  
Dr. B. P. Pandey, MMMUT, Gorakhpur  
Dr. Anshuman Tripathi, Ministry of Defense  
Mr. Ambula Gopi Raja, CEO, Fopple Drone Tech. Pvt. Ltd.  
Mr. Praveer Saxena, Assistant Professor, ITS Eng. College, Greater Noida  
Mr. Santosh Kumar, Dronix Technology Pvt. Ltd.

## REGISTER HERE



## CONTACT US

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## Six-Week Summer Internship on IoT, Drone, and Artificial Intelligence (SIIDAI-2022)

### 20 June to 31 July, 2022

### Organized By



DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING (NBA ACCREDITED)

Madan Mohan Malaviya University of  
Technology, Gorakhpur, U.P. (273010)

[www.mmmut.ac.in](http://www.mmmut.ac.in)

### PATRON

Prof. J. P. Pandey  
Hon'ble Vice-Chancellor, MMMUT, Gorakhpur

### CHAIRMAN

Prof. R. K. Chauhan  
HOD, ECED, MMMUT, Gorakhpur

### PRINCIPAL COORDINATOR

Prof. Sanjay Kumar Soni

### CO-COORDINATORS

Dr. Rajan Mishra & Dr. B. P. Pandey





## ABOUT THE UNIVERSITY

Madan Mohan Malaviya University of Technology, Gorakhpur has been established in year 2013 by the Government of Uttar Pradesh in the form of a non-affiliating, teaching and research University after reconstituting the Madan Mohan Malaviya Engineering College, Gorakhpur which was established in 1962.

Fifty-Four batches of students have entered its portals to emerge after four years of rigorous education under the tutelage of some of the most venerable teachers, engineers ready to face the world and create new worlds. The University is located in the Gorakhpur -Deoria road about 9 Km away from Gorakhpur Railway Station. In addition to UG in Civil Engineering, Chemical Engineering, Computer Science & Engineering, Mechanical Engineering, Electrical Engineering and Electronics & Communication Engineering, Information Technology, University also offers MCA, BBA, MBA, M. Tech, M.Sc. and Ph.D. courses in various specializations.

## ABOUT ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

The Department of Electronics & Communication Engineering was established in the year 1973 with an intake of 20 and has been gradually increased to 75 from the academic session 2000-2001 and 120 from the academic session 2015-2016. The Department has made all round progress in the last four decades as a result of firm determination and continuous efforts made by all the faculty members and staff of the department. To enhance the knowledge of students and fulfill the gap among the academia and industries, the Department has recently established the IoT and Drone Laboratory.

## DESCRIPTION OF EVENT

### Internet of Things (IoT)

Ever fascinated by the automatic cooling of the room or tuning light by an assistant well that's IoT. The Internet of Things (IoT) describes the network of physical objects — "things" — that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with

#### Programme Outcomes

- One can independently design, simulate and develop a Hardware platform encompassing a microcontroller and peripherals.
- The students will be able to use the IoT technologies in practical domains of society like in Home Automation, Smart security system, smart irrigation and likewise.
- To understand the other associated technologies like cloud and fog computing in the domain of IoT.
- Design and development of IoT board using Proteus software.



### Unmanned Aerial Vehicle(UAV)

Flying objects were once a dream for every one but now there are 2 million UAVs in American market only. A drone is a flying robot that can be remotely controlled or fly autonomously using software controlled flight plans in its embedded systems, that work in conjunction with onboard sensors and a global positioning system.

#### Programme Outcomes

- Learn to design and analyse a drone frame
- Understanding about flight controllers
- Flying training using micro uav drone up to 2kg maximum payload

- Concept behind UAV's
- Hands-on at 3D printing, Fusion 360 and Ansys
- Advancement in designing and slicing software
- Complete designing and manufacturing of micro FPV drones



### Artificial Intelligence (AI)

Ever thought how Google Lens detects the letters or object from an image, it's all possible due to AI. Artificial Intelligence refers to implementing human intelligence in machines, that are programmed to think and act like human beings. By making various deep learning AI models, we can make the machine commercially available to human beings. Machine learning can make the software more accurate to predict the desired value in the particular application.

#### Programme Outcomes

- Knowledge about Artificial Intelligence and Machine Learning
- Command on Python Programming
- Annotating image for model training
- Creating a work model using python libraries such as Keras, Tensor Flow, Pandas, NumPy, matplotlib and OpenCV
- Understanding of different neural networks

