



**Indian Institute of Information Technology Design and Manufacturing Kurnool**  
(An Institute of National Importance funded by MoE, Government of India)  
Jagannathagattu, Kurnool, Andhra Pradesh-518008

Inviting registrations for

# RESIDENTIAL BOOTCAMP 1.0

## On

# DRONE TECHNOLOGY



Date: 01<sup>st</sup> May to 5<sup>th</sup> May 2023

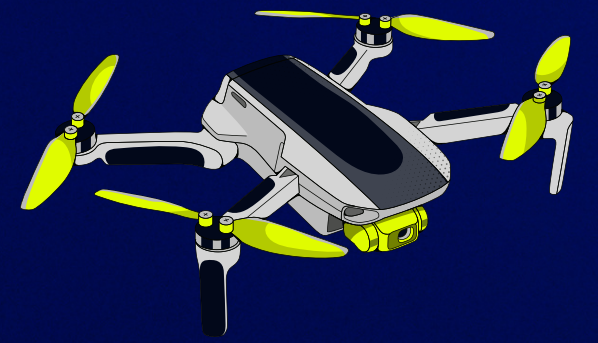
(Last date for Registration: 15<sup>th</sup> April 2023)

### ABOUT THE BOOTCAMP

IIITDM Kurnool is identified by MeitY as the Participating Institute (PI) for the "**Capacity building for human resource development in Drone and related Technology**" project by MeitY. As part of the project activities, one of the first key knowledge dissemination initiatives under the Guidance Navigation and Control (GNC) Applications Work Theme (WT) is being taken up with active collaboration across participating institutions of the project.

### CONTENT

- Overview of Multirotor Drones
- Regulations of DCGA
- Basic principles of flight
- Introduction to fixed-wing UAVs Drone components body, motors, propellers-Payload types-Flight simulation- model identification and control
- Formulation of sizing and development - A simple approach to the sizing of a multirotor UAV is then presented to the students to show the operation of individual parts
- Hands-on experience, Building Drones - Component identification- Subcomponent identification and understanding- System architecture-propeller, motor, flight controller integration-Communication and remote-control system
- Flight testing - Flight tests and evaluation to prove and validate the configuration of multirotor design and fabrication
- UAS security and counter-UAS systems
- System validation and testing
- Guidance, Navigation, and Control (GNC)



### ELIGIBILITY

Faculty members working in recognized Institute/Industry Professionals/ B.Tech/ M.Tech and PhD students

### REGISTRATION DETAILS

Registrations are open only for 50 participants based on a first-come-first-serve basis.

Registration Link: <https://forms.gle/QdMh6fphtYtahGAw6>

### CONTACT US

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For more details, visit <https://iiitk.ac.in/>

### REGISTRATION FEE

Fee for Student: Rs. 3,250/-

Fee for Faculty and Others: Rs. 4,250/-  
Accommodation and food included

### BANK DETAILS

- Name of the beneficiary: IIITDM Kurnool
- Name of the Bank: State Bank of India (SBI)
- Full address: State Bank of India,  
Nandyal Road Branch, Kurnool - 518002
- Account Number: 37806955974
- Account type: Current Account
- IFSC CODE: SBIN0021660



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