



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



# BOOTCAMP

On

# DRONE TECHNOLOGY

Date: 27th Feb to 3rd March 2023

(Last date for Registration: 22nd February 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 UAVs
- 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 UAV - 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/ M.Tech and PhD students

## REGISTRATION DETAILS

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

## CONTACT US

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(Assistant Professor, ECE Dept. IIITDM Kurnool)  
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For more details, visit <https://iiitk.ac.in/>

## REGISTRATION FEE

Fee: Rs 6000/- (With Lunch included)  
Accommodation will be provided based on request  
(Rs 250/- per day).

## 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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