

FIVE DAY BOOTCAMP

on

Drone Technologies

17th July - 21st July 2023

About Institution

The College of Engineering, Anantapur was started at Guindy, Madras in 1946 and shifted to Anantapur in 1948. In 1972, by an Act of State Legislature, JNT University was established at Hyderabad and the College of Engineering, Anantapur went into the fold of JNTU. Later in the year 2008, by an Act of AP State Legislature, JNTU was trifurcated into three independent universities viz., JNTU Anantapur, JNTU Kakinada and JNTU Hyderabad. JNTU College of Engineering, Anantapur became a constituent college of JNTUA and was renamed as JNTUA College of Engineering, Anantapur. The JNTUA College of Engineering, Pulivendula, established in the year 2006 and Oil Technology Research Institute (OTRI), Anantapur, established in the year 1948 also became constituent units of JNTUA. A new constituent college - JNTUA College of Engineering, Kalikiri established in 2013. The OTRI was later renamed as Oil Technology and Pharmaceutical Research Institute (OTPRI), in 2016. In addition to the above four constituent colleges, the JNTUA has 98 Engineering Colleges, 33 Pharmacy Colleges and 29 stand-alone MBA/MCA colleges affiliated to it.

Chief Patrons

Prof. G. Ranga Janardhana,
Hon'ble Vice-Chancellor, JNTUA

&

Convener, APHEPB,
(Anantapur Region Cluster).

Prof. D V L N Somayajulu,
Director, IIITDM, Kurnool.

Patrons

Prof. M. Vijaya Kumar,
Rector, JNTUA & Nodal Officer, APHEPB,
(Anantapur Region Cluster).

Prof. C. Sashidhar,
Registrar, JNTUA.

Chair Person

Prof. P. Sujatha,
Principal, JNTUACEA.

Programme Directors

Prof. B. Eswara Reddy,
Director, Faculty Development Cell, JNTUA.

Prof. R. Padma Suvarna,
APHEPB - JNTUA-Coordinator.

Programme Coordinators

Dr. Eswaramoorthy K.V,
IIITDM, Kurnool.

Dr. D .Vishnu Vardhan,
Head, Department of ECE, JNTUACEA.

Dr. K. Kalyani Radha,
Head, Department of ME, JNTUACEA.



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Jointly Organized by

JNTUA, Ananthapuramu

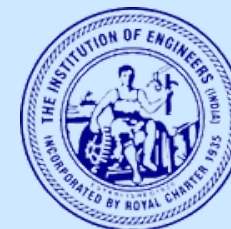
and

IIITDM, Kurnool

In association with
AP Higher Education Planning Board
(Anantapur Region Cluster)

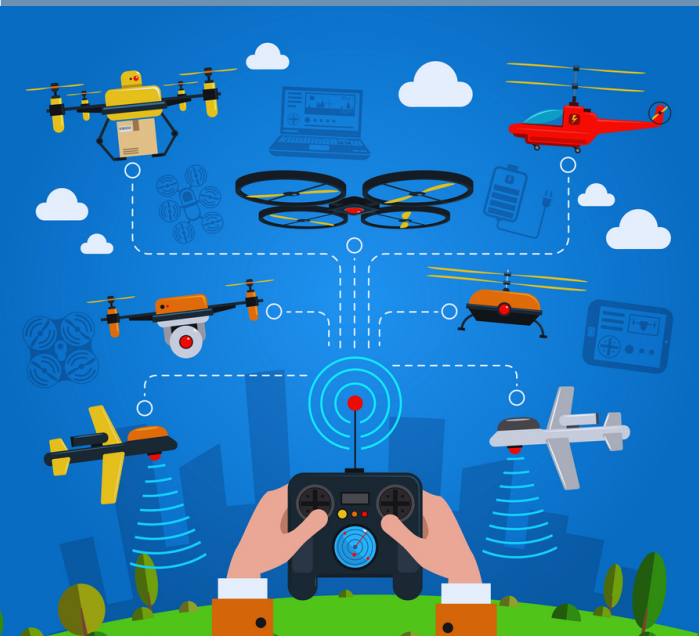
at

J.N.T.U.A. College of Engineering
(Autonomous), Ananthapuramu



About Bootcamp

The Indian Institute of Information Technology Design and Manufacturing Kurnool (IIITDM Kurnool), An Institute of National Importance is identified by MeitY, Government of India as the Participating Institute (PI) for the "Capacity building for human resource development in Drone and related Technology" project. 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. This Bootcamp is being organized by IIITDM Kurnool at JNTUA College of Engineering (Autonomous), Ananthapuramu



Contents

- Overview of Multirotor UAVs
- Regulations of DCGA
- Basic principles of flight
- Guidance Navigation and Control (GNC)
- Fixed-wing UAVs Drone components body
- Building UAV, Propellers-Payload types
- Flight simulation, Formulation of sizing and development
- Flight testing
- UAS systems System validation and testing
- Hands-on experience

Resource Persons

Faculty from IIITDM Kurnool

Venue

Department of Mechanical Engineering,
JNTUACEA.

Targeted Audience:

Teaching Staff of the following Cluster Universities & Affiliated Colleges:

1. JNTUA Ananthapuramu
2. SKU, Ananthapuramu
3. Central University, Ananthapuramu
4. Best University, Gorantla,(Satya Sai Dt.)
5. SSS IHL, Puttaparthi
6. IIITDM, Kurnool
7. Dr. Abdul Haq Urdu University, Kurnool
8. Rayalaseema University, Kurnool
9. Cluster University, Kurnool.

Registration:

For registration, please scan the QR Code



<https://forms.gle/BiuqzPQ3xsBjXLxBA>

Note :

- No Registration Fee
- Five Day Bootcamp is equivalent to one week Faculty Development Programme
- Total no. of registrations is limited to 30
- Accommodation will be provided on first come first serve basis

Contact Details:

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