MeitY
Government of India

Unmanned Aerial Systems & Related Technology
May 8-12, 2023

About the Boot Camp

National Institute of Technology Durgapur has been selected as one of the participating institutes (PI academic) of the project "Capacity Building for Human Resource Development in Unmanned Aircraft Systems (Drone & Related Technology)" by Ministry of Electronics & Information Technology (MeitY). As a part of the project activities this boot camp is organized as an initiative of knowledge dissimilation on the work theme "Aeromechanics".

Technical Content Coverage

- Introduction to UAV/Drone Technology
- Rules and Regulation in UAV/Drone Technology
- Fundamental Concept of Flight Mechanics and Hands on Experience on Multicopter Drone design
- Fundamental Concept of Embedded Mechatronics associated with Aero-Systems
- Requirement Analysis and Design of Multicopter: Aerodynamics, Aerostructure
- Requirement Analysis and Design of Mechatronic Assembly of Multicopter
- Fundamental Control Strategies for Drone (Flight Stabilization), GPS Navigation
- Hands on Training on Embedded Mechatronics associated with Aero-System, Control using Matlab, Drone Assembly, Flight Testing
- Applications of Drone Technology

What Participants will get

- Theoretical & Practical knowledge with hands on experience
- Session delivery by renowned experts
- Certificate on successful completion of the course

Coordinators

Dr. Nilanjan Chattaraj (9434789050), ECE Deptt.
Dr. Jayati Dey (9434788173), EE Deptt.
Dr. Aritro Dey ((9434789038), EE Deptt.
Dr. Deepak Kumar (9434789028), ME Deptt.

Resource Persons

- Eminent Researchers from Central Mechanical Engineering Research Institute at Durgapur (CSIR-CMERI)
- Faculty members from the Department of Electronics & Communication Engg., Electrical Engg., Mechanical Engg., Computer Science of NIT Durgapur

Venue, Date and Time

New Academic Building,
Room No. NAB-402,
NIT Durgapur
Date: 8-12 May, 2023
Timing: 9:00 AM to 6:15 PM

Last Date to Apply

Registration Deadline: 7th May, 2023

Registration here

Registration free
https://docs.google.com/forms/d/e/1FAIpQLSf3vm5hqFLkV
AEB2ly_0q2GTVQWR8Je9A4_PNuph90HjA_y6g/viewform

Contact

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