IIITDM JABALPUR

IIITDM Jabalpur was established in 2005 with a focus on education and research in IT enabled Design and Manufacturing. Since its inception, PDPM IIITDM Jabalpur has been playing a vital role in producing quality human resources for contribution in India's mission of inclusive and sustainable growth. The Institute offers undergraduate, post graduate and Ph.D. programmes in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Design and Ph.D. programmes in Mathematics and Physics. Under IIIT act, the Institute has been declared an Institute of National Importance in January 2015. The Institute is 10 kms from the main railway station and 5.5 kms from Dumna airport, Jabalpur.

COMPUTER SCIENCE AND ENGINEERING DISCIPLINE

The Computer Science and Engineering (CSE) discipline was set up in 2005. It is one of the disciplines that offers under undergraduate (B.Tech.), postgraduate (M.Tech.), and research programs (Ph.D.). The CSE department is bound to give aspiring computer science students the best academic path for building and developing their bright future in the core areas of computer science – AI & Machine Learning, Data Science, Computer Vison, Image Processing, WSN, IoT and Embedded system, Network and Information Security, Cyber Security and Hardware Security, Cloud and Cluster Computing.

RESOURCE PERSONS

Distinguished Faculty members from IITs / IISc / NITs / IIITs and experts from Industry / R&D Organizations.

IMPORTANT DATES

Last date of Registration July 24, 2023
Intimation of selection July 24, 2023

PATRON

Prof. Bhartendu K. Singh
Director, IIITDM Jabalpur

COURSE COORDINATORS

Dr. Munesh Singh
Dr. Vinod Kumar Jain
Dr. Vijaypal Singh Rathor
Dr. Abhishek Verma

CORRESPONDANCE

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Skill Development Workshop
On

Monitoring Drones : How Tools are Evolving to Track Drone Activities in Real Time

July 25, 2023

Organized by

Computer Science and Engineering Discipline PDPM Indian Institute of Information Technology, Design and Manufacturing Jabalpur - 482005, M.P., India

in association with

TiHAN
IIT HYDERABAD

Technology Innovation Hub on Autonomous Navigation and Data Acquisition Systems (TiHAN) IIT Hyderabad

ABOUT COURSE

As the drone industry is taking off, some individuals and groups have started using drones for malicious purposes around the globe. We all seen news articles of drones being used for bad and have wondered if there are any counter-drone technologies to stop these acts.

The answer is there are counter drone technologies, they have been around for years with the military, but the issue is how to use anti drone technologies legally outside of a war-zone without causing all sorts of havoc. Many anti drone system companies are watching the news reports of bad drones and are marking their products and/or services. They have introduced all sorts of anti drone guns, anti drone shotgun shells, attack birds, net cannons, lasers, missiles, radio signal drone jammers, GPS signal spoofers, etc. Some counter UAS technologies can be very disruptive to many people such as those who are navigating a manned aircraft or a car using GPS satellite signals or to people using wireless frequencies such as Wi-Fi. Let's dive into what anti-drone technologies are currently available and the legal issues surrounding them.

Course Contents

The course aims to address the following issues related to the Drone Monitoring, but not limited to

- Anti-Drone and counter UAS systems
- Laser weapons use to counter the drone
- Wi-Fi Geofencing system for UAV detection

Who Should Attend?

The programme is open to the faculty members of academic institutions, research scholars, PG scholars, Government officers / personnel, bureaucrats, technicians, researchers, practitioners, industry personnel.

Registration Fee and Timing

There is 250 Rs. registration fee from the participant. Upon completion of the program, the paid fee refunded to the participants. Physical mode participants will be provided welcome kit, high tea and food during the programme. Account details are as follows :

Name of Account	:	Project Account PDPM IIITDM Jabalpur
Account No	:	50210022387
Bank	:	Indian Bank (Allahabad)
Branch	:	Mehgawan, IIITDM Campus Branch, Jabalpur
IFSC	:	IDIB000M694

Selection

Only 50 seats are available for the workshop. Participants will be selected from among the applicants to ensure representation from more institutions across the country.

Certification

The certificate of participation will be issued to all the registered participants.

Accommodation

Accommodation may be provided to the out-station participants on campus on the chargeable basis.

How to Apply

Interested participants are required to apply using the url given below. Applicants who are selected for the workshop will be intimated via email and confirm their participation for the workshop by return email.

Registration Form Link :

https://forms.gle/AVBoxKZf7ti9ZfJs9

Contact :

munesh.singh@iiitdmj.ac.in

vkjain@iiitdmj.ac.in

vrathor@iiitdmj.ac.in

abhiverma@iiitdmj.ac.in