

About Electronics & ICT Academy at PDPM IITDM Jabalpur



The Ministry of Electronics and Information Technology (MeitY), Government of India, established Electronics and ICT Academies in 2015. In its second phase, the academy at PDPM IITDM Jabalpur focuses on scalable training in niche areas of Electronics and ICT to build knowledge, skills, and tools for India's talent pool. Identified by MeitY as a hub for capacity building, the Academy offers training, internships, research, and consultancy in both fundamental and advanced topics, with customized programs for students, industry, and researchers.

About Pandit Deendayal Energy University (PDEU)



Pandit Deendayal Energy University (PDEU), formerly PDPU, was established on 4 April 2007 by GERMI of the GSPC Group, Government of Gujarat. Located in Gandhinagar's Knowledge Corridor near GIFT City, PDEU holds SIRO recognition from the Department of Scientific and Industrial Research, Government of India. It has been ranked the No. 1 University in Gujarat and granted "Centre of Excellence" status (in principle) by the Government of Gujarat.

Faculty Development Programme

On

GNSS Resiliency in Emerging Communication Ecosystems - 5G, IoT and Beyond

The Faculty Development Programme will spotlight advances in GNSS resiliency within emerging communication ecosystems, emphasizing robust Positioning, Navigation, and Timing (PNT) solutions integrated with 5G/6G, IoT, and beyond. Key themes include interference detection and mitigation against jamming/spoofing, hybrid PNT through sensor fusion (INS, UWB, LiFi/VLC, DAS, terrestrial signals), and the role of non-terrestrial networks (satellite and aerial platforms) in remote and denied environments. Focus areas span UAVs, autonomous systems, and critical infrastructure, with Edge-AI enabling real-time anomaly detection and optical-RF synergies bridging urban and indoor gaps. The program will also address security frameworks, policy and standards, experimental testbeds, and

applications in disaster response and space navigation. By convening academia, industry, and government, the event aims to foster collaboration toward resilient, secure, and future-ready GNSS technologies.

Who can attend: Suitable for faculty from colleges, universities, and technical and professional institutes can attend. Students, fresh graduates, researchers, and industry personnel working in allied disciplines can also attend.

Important Dates:

Last Date of Online Registration: July 02, 2026

FDP Dates: July 04 - 10, 2026

Coordinators:

Dr. Anand Singh, PDEU, Gandhinagar
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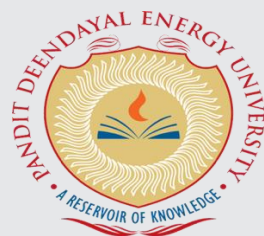
Faculty Development Programme
On
**GNSS Resiliency in Emerging
Communication Ecosystems - 5G, IoT and
Beyond**

Jointly Organized by
Electronics and ICT Academy
IIITDM Jabalpur



and

Pandit Deendayal Energy University



*An Initiative of the Ministry of
Electronics and Information Technology,
Government of India*



Faculty Development Programme
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Beyond**

July 04 – 10, 2026 (online)

Resource Persons

- Prof. Vivek Ashok Bohara, IIT, Delhi
- Dr. Om Jee Pandey, IIT, BHU
- Dr. Mahendra Shukla, IIITM, Gwalior
- Dr. Manish Kumar, DAU, Gandhinagar
- Dr. Kunwar Pritiraj Rajput, University of Luxembourg
- Dr. Prateek Rathore, LNMIIT, Jaipur

Coordinators

- Dr. Anand Singh, PDEU, Gandhinagar
- Dr. Nitin Singh Rajput, PDEU, Gandhinagar
- Dr. Deepak Dahu, PDEU, Gandhinagar
- Dr. Matadeen Bansal, IIITDM, Jabalpur

Course Contents

- **GNSS + 5G/6G:** Cooperative positioning and timing via cellular networks.
- **Hybrid PNT:** Sensor fusion with INS, UWB, LiFi/VLC, DAS, and terrestrial signals.
- **UAVs & Autonomous Systems:** Reliable navigation in dynamic, denied environments.
- **Edge-AI Monitoring:** Real-time anomaly detection for GNSS resilience.

Hands-On Sessions

- **Edge AI frameworks** for anomaly detection and predictive GNSS.

Programme Features

- Opportunities to connect with experts in the field.
- Instructor-led rigorous hands-on sessions
- Certificate on successful completion with full access to the course material.

Registration Details

- Registration link – Please fill out registration using the following link:
<https://forms.gle/k94ip6ertaWxNkb37>
- Registration fee: 500/ for online participation, non-refundable.
- Last Date for Registration: 02 July 2026

Online Payment Details

- **Internet banking**

Beneficiary Name	PDPMIIITDM Jabalpur
Bank Name	INDIAN BANK
A/C No.	50018692852
IFSC Code	IDIB000M694

- **UPI ID:** iiitdmj@indianbk

- **QR Code:**

