

## About Electronics & ICT Academy at



### PDPM IIITDM Jabalpur

The Ministry of Electronics and Information Technology (MeitY), Government of India has instituted Electronics and ICT Academies in the year 2015. In the second phase, the academy at PDPM IIITDM Jabalpur aims at scalable training programmes in niche areas of Electronics and ICT for the development of the required knowledge base, skills and tools to unleash the talent of the Indian population. The Academy is identified by the MeitY as a hub of activities for capacity building through training, internships, research, and consultancy programmes in fundamental and advanced topics in electronics, information and communication technologies, the Academy conducts customized academic programmes for students, corporate sectors and researchers.

### About GBPIET, Pauri, Uttarakhand

Govind Ballabh Pant Institute of Engineering & Technology, Pauri (Garhwal), is an engineering institute established by the Government of Uttar Pradesh in 1989 to impart engineering education and promote a technological environment in the Garhwal region, the state, and the country. The institute has consistently aligned itself with the practical challenges and priorities of the modern world. As a solution, it strives to shape engineers whose skills

and competencies are on par with their counterparts across the nation.

### About the FDP

The Department of Electronics & Communication Engineering is organizing an FDP on “Smart Electronics & Intelligent Systems: Design, Applications, and Future Challenges.” It covers emerging areas like IoT, AI, embedded systems, and smart device design, focusing on practical applications and recent advancements. The programme also explores applications in healthcare, automation, and smart cities, along with challenges such as security, scalability, and energy efficiency.

**Who can attend:** Faculty members, researchers, and industry professionals in related fields are eligible to participate.

### Near Places to Visit:



Kedarnath Temple



Badrinath Temple



Devprayag



Dhari Devi



Kyunkaleshwar Temple



Lansdowne

Beyond this, Garhwal unfolds a captivating blend of beauty and spirituality, with gems like Danda Nagraja Temple, Khirsu, Tehri Dam, and Rudraprayag—each offering a truly unforgettable experience.

## Faculty Development Programme

On

*Smart Electronics & Intelligent Systems:  
Design, Applications, and Future Challenges*

18<sup>th</sup> – 23<sup>rd</sup> May 2026

Jointly Organized by



G.B. Pant Institute of Engineering &

Technology, Pauri, Uttarakhand

and

Electronics and ICT Academy

IIITDM Jabalpur



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



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### Chief Patron

**Prof. Tripta Thakur**

Vice Chancellor, VMSBUTU,

Dehradun

### Patron

**Prof. V.K. Banga**

Director, GBPIET, Pauri

### Convener

**Dr. M.K. Agarwal**

Head, ECE, GBPIET, Pauri

### Coordinators

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### Resource Persons

- Prof. S. N. Sharma, IIITDM, Jabalpur
- Prof. Prabin Kumar Padhy, IIITDM, Jabalpur
- Prof. A.K. Wadhvani, MITS, Gwalior

- Prof. Manoj Duhan, DCRUST, Haryana
- Dr. J.P. Singh, NIT, Patna
- Dr. Anil Kumar, IIITDM, Jabalpur
- Dr Atul katiyar, FET MJP Rohikhand university Bareilly
- Dr. Manmohan Rawat, Scientific Officer R&D, UCOST, Dehradun
- Dr. Satish Tiwary, CEO, SoCTeamup, Noida
- Mr. Ankur Sangal, SoCTeamup, Noida

### Course Contents

The course contents are designed under the title of the FDP but are not limited to the following topics:

- Introduction to Smart Electronics & Intelligent Systems
- Deploying AI to Address Chronic Diseases Using Molecular Biomarkers.
- Smart cities/ infrastructure
- Optimization using Linear Programming and evolutionary algorithms
- Explainable Artificial Intelligence with hands on
- Robust Machine Learning. with hands on
- Introduction to Multirate Systems and Applications
- Use of Fractional Derivative for the Design of Multirate Systems using Optimization
- Semiconductor Device Design and hands on

### Hands-On Sessions

We have designed Practice Sessions that aid the participants in understanding different applications in real-world applications and development of research techniques for each of the previous topics.

### Programme Features

- 40 hours of instructor-led, in-person training with hands-on learning and interactive Q&A sessions, including supervised lab sessions.
- Training resources will include printed/soft copies of study materials, training presentations (PPTs), and project source code.
- Certificates will be issued to participants who attend more than 75% of the sessions and successfully complete the final assessment.

### Registration Details

- Registration link – Please fill out registration using the following link:  
<https://forms.gle/mDVtDMYSP4vUiZNE6>
- Registration fee: **1000/** (offline mode)
- Last Date for Registration: **14<sup>th</sup> May 2026**
- Seats are Limited to 45\* only (\*On a first come-first serve basis)
- Accommodation and food for all participants will be provided by the institute.

### Online Payment Details

Beneficiary Name	Dean Research and Development, GBPIET, Ghurdauri, Pauri
Bank Name	State Bank of India
A/C No.	<b>38643822258</b>
IFSC Code	<b>SBIN0014134</b>

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