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 programs 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 programs in fundamental and advanced topics in electronics, information and communication technologies, the Academy conducts customized academic programs for students, corporate sectors and researchers.

Coordinators:

Prof. Ashish Gupta RJIT Tekanpur
Dr. Neeraj Shrivastava RJIT Tekanpur
Dr. Sachin Kumar Jain IIITDM Jabalpur

Faculty Development Program
On
AI/ML applications in Smart Grid: Theory, Concepts and Solutions
(Online mode 27 Oct to 07 Nov 2025)

"Designed for power sector innovation and industry-readiness, this FDP brings together cutting-edge AI/ML applications in smart grid systems bridging theory, concepts, and real-world solutions. Participants will explore intelligent forecasting, demand-side management, renewable integration, and predictive maintenance, while gaining hands-on exposure to data-driven tools, case studies, and simulation practices. The program empowers faculty, researchers, and professionals to harness AI/ML for building sustainable, efficient, and secure smart grids aligned with Industry 4.0 and future energy needs."

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: 17th Oct 2025
FDP Dates: 27th Oct to 7th Nov 2025
Contact us:

Call & WhatsApp: +919425754197,
                                  +918962384106
Mail: dr.neerajshrivastava@rjit.ac.in
              ashishgupta@rjit.ac.in

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Jointly Organized by
Rustamji Institute of Technology

and

Electronics and ICT Academy IIITDM Jabalpur

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

About
Rustamji Institute of Technology (RJIT)

RJIT, situated at BSF Academy Gwalior, is the first Engineering College in India established by a Central Armed Police Force (CAPF).

Conceived to address the educational needs of children of BSF and other CAPF personnel many of whom serve for long periods in remote border areas and militancy/Naxalite-affected regions RJIT provides quality technical education to wards of BSF martyrs and jawans as well as to civilians.

Formally inaugurated on 2 October 1999 by Padma Vibhushan Late Shri K. F. Rustamji, the founding Director General of the BSF, the institute maintains a close working relationship with the force, aligning academics, internships, and applied projects with the practical requirements of border management and public safety.

Resource Persons

- Dr Trapta Thakur, DG NPTI
- Dr. Ankush Sharma IIT Kanpur
- Prof. Aditya Trivedi IIITM Gwalior
- Dr Arvind Kumar Jain NIT Agartala
- Dr. Trapti Jain, IIT Indore
- Dr. M. D. Bansal, IIITPDM, Jabulpur
- Dr. Vinod Jain, IIITM Gwalior
- Dr Pradyumn Chaturvedi, VNIT Nagpur
- Dr. Rimjhim Agarwal, Global Head AI & Analytics Utilities, JBS
- Mr. S. K. Jain, DGM Posoco Grid
- Mr. Peeyoosh Gupta, CELE, Indian Railway

Course Contents

- AI-driven data analytics in Smart Grid
- Machine Learning in Smart Grid: Theory & Concepts
- Internet of Things: A Smart Grid Perspective
- Smart Transformer for Future Electric Grid
- Consumer Empowerment through Smart Metering in Smart Grid Environment
- Renewable Integration, a challenge for Grid Operations
- Case study of 50 MW solar Power plant

Hands-On Sessions

- Introduction to AI/ML in Smart Grids
- Load & Renewable Energy Forecasting
- Demand Response & Optimization

Program Features

- Rigorous training for theoretical and practical knowledge on Smart Grid
- 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/R8WTnLmdcywo554R8
- Last Date for Registration: 17th October 2025
- Registration fee: **Rs 500** for online participation

Online Payment Details

- **Internet banking [Partner Institute]**

Beneficiary Name	Rustamji Institute of Technology CSR Account
Bank Name	UCO Bank
A/C No.	06880210001691
IFSC Code	UCBA0000688

- **UPI ID: rjitcsrfund@ucobank**
- **QR Code:**