



PDPM IITDM Jabalpur

E&ICT Academy, PDPM IITDM Jabalpur

Online Winter Faculty Development Programme Biometrics Security in the Generative AI Era

March 01-12, 2025 (2:30 PM - 4:30 PM and 6 PM - 8 PM) live streaming

Jointly Organized by

IITDM Jabalpur



MNIT Jaipur



IIT Roorkee



NIT Patna



IIT Guwahati



Schedule and Course Contents

[March 01 - 12, 2025, 2:30 PM - 4:30 PM and 6 PM - 8 PM]

- Introduction to Biometric Systems, Biometric System Evaluation, Machine Learning and Deep Learning Models for Biometric Recognition
- Introduction to Generative AI, Variational Autoencoders, Generative Adversarial Networks (GANs), Attack Landscape on Biometric Recognition, Deepfake Generation and Detection
- Biometric Template Protection Techniques, Countermeasures against Attacks using AI, Vision Transformers for Biometric Recognition, Explainable AI and Biometric Signal Processing
- Regulatory, Ethical, and Privacy Challenges for Biometric Systems
- Hands-on sessions on Biometric Authentication, Attack Detection, and Deepfake Generation and Detection

Coordinator

Prof. Pritee Khanna,
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Resource Persons

- Prof. Phalguni Gupta, IIT Kanpur
- Prof. Vijay Laxmi, MNIT Jaipur
- Prof. Pritee Khanna, IITDM Jabalpur
- Prof. Surya Prakash, IIT Indore
- Dr. Sambit Bakshi, NIT Rourkela
- Dr. Kiran Raja, NTNU Norway
- Dr. Shiv Ram Dubey, IIIT Allahabad
- Dr. Harkeerat Kaur, IIT Jammu
- Dr. Avantika Singh, IIIT Naya Raipur
- Dr. Karnati Mohan, NIT Raipur

Registration Details

Registration link – Please fill in the registration form using the following link:

<https://forms.gle/cX4TYgQZapaR87jZ8>

Registration fee: INR 500/-

Last Date for Registration: February 28, 2025

Contact Details

- Email: academy@iiitdmj.ac.in, eict@iiitdmj.ac.in
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Online payment details:

- Internet banking

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