

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 MITS Gwalior

Madhav Institute of Technology and Science, formerly known as Madhav Engineering College and commonly referred to as MITS Gwalior, is a government-aided autonomous institute founded in 1957 and located in Gwalior in the state of Madhya Pradesh, India. In the year 2024 the institute is declared "Deemed to be University" under Distinct Category by Ministry of Education, Government of India. The institute offers Bachelors, Masters and Doctoral degrees in engineering along with Bachelor in Architecture and Master's in Computer Application.

Faculty Development Programme

On

Cyber security in the Age of GenAI: Threats, Defenses, and Intelligent SOC's with LLM Integration

This FDP aims to equip faculty, researchers, and professionals with knowledge of modern cyber security integrated with Generative AI. It focuses on Zero Trust, SOC operations, detection engineering, and incident response, enabling participants to analyze threats and apply AI-driven defense strategies for secure and intelligent cyber operations.

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

FDP Dates: Dec 31, 2025 - Jan 05, 2026

Last Date of Online Registration: 28/12/2025

Coordinators

Dr. Neelam Dayal, IIITDM Jabalpur
Dr. Kirti Raj Bhatele, MITS-DU, Gwalior
Dr. Manish Dixit, MITS-DU Gwalior

Contact us

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(Mr Ashvarya Agrawal)

Faculty Development Programme

On

Cyber security in the Age of GenAI: Threats, Defenses, and Intelligent SOC's with LLM Integration

Dec 31, 2025 - Jan 05, 2026 (online mode)

Jointly Organized by



**Madhav Institute of Technology & Science
(Deemed University), Gwalior**



and



**Electronics and ICT Academy
PDPM IIITDM Jabalpur**

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



Faculty Development Programme On

Cyber security in the Age of GenAI: Threats, Defenses, and Intelligent SOC's with LLM Integration

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Resource Persons

- Dr. Sumantra Dutta Roy, IIT Delhi
- Dr. Deepak Singh Tomar, MANIT, Bhopal
- Dr. Dileep Singh Sisodia, NIT Raipur
- Dr. Krishan Berwal, MCTE, Mhow
- Dr. Rupesh Kumar Dewang, NIT Raipur
- Dr. Rajni Ranjan Singh Makhvana, MITS-DU, Gwalior
- Dr. Astitwa Bhargav, NLIU, Bhopal
- Dr. Amitesh Rajput, NLIU, Bhopal
- Dr. Deepak Kumar Dewangan, ABV-IIITM, Gwalior
- Dr. Santosh Rathore, ABV IIITM Gwalior
- Dr. Chittaranjan Swain, ABV-IIITM, Gwalior
- Dr. Satya Prakash, C3i, IIT Kanpur
- Dr. Robin Bhadauria, NIT Hamirpur
- Dr. Rahul Dubey, MITS-DU, Gwalior
- Prof. Meena Lakshmi, NFSU, Bhopal

Coordinators

Dr. Neelam Dayal, IIITDM Jabalpur

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Dr. Kirti Raj Bhatele, MITS-DU, Gwalior

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Dr. Manish Dixit, MITS-DU Gwalior

Course Contents

- Cyber warfare and evolving threat models
- Generative AI and LLM integration in autonomous systems
- Python for Cyber security and GenAI applications
- Phishing forensics and email authentication
- NLP evolution and LLM fundamentals
- AI-driven security and RAG pipelines
- Adversarial attacks and Cyber security laws
- Transformers, LLMs, and ChatGPT in security
- Code security and secure development
- Incident response and DPDP compliance

Hands-On Sessions

- Python setup and scripting for cyber security and GenAI tasks
- Installation and configuration of Kali Linux for security testing
- Phishing email forensics and SPF/DKIM/DMARC validation
- AI-driven phishing detection and awareness using generative models
- Building intelligent SOC's using Generative AI and LLM integration
- Cyber defense automation through RAG Implementation
- Digital forensics and live incident response simulation
- Compliance and governance workflows with DPDP considerations

Programme Features

- Rigorous training for theoretical and practical knowledge on Cyber security and Gen AI
- Opportunities to connect with experts in the field.
- Exposure to state-of-the-art deep learning frameworks and tools
- 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 form using the following link:
<https://forms.gle/LXoNBjHz6tZjtD3s6>
- **Registration fee:** INR 500/ for online participation
- **Last Date for Registration:** 28/12/2025

Online Payment Details

- **Internet banking**

Beneficiary Name	PDPM IIITDM Jabalpur
Bank Name	Indian Bank
A/C No.	50018692852
IFSC Code	IDIB000M694

- **UPI ID:** iiitdmj@indianbk

- **QR Code:**

