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Important Dates and Time

- Start Date of Registration: 15-05-2026
- Last Date of Registration: 03-06-2026
- Per Day Timings: 02.00 pm - 06.00 pm
- Contact Hours: 40 Hrs

(Including Theory, Hands-on & Evaluation)

Registration Fees

Rs. 500/- (Inclusive of GST)

**Mode of Payment Online Only
(NEFT/ RTGS /IMPS)**

Details for Online Transfer

Bank Name: State Bank of India

Account Name: IIT Guwahati R and D
E and ICT Academy

Account No.: 36071160089

IFSC Code: SBIN0014262

SCAN & PAY



UPI ID: eict2025@sbi



**An Initiative of Ministry of Electronics &
Information Technology (MeitY), Government
of India**



**Electronics & ICT Academy
IIT Guwahati, IIT Kanpur and NIT Patna**

Organises

**Two - Weeks Joint Faculty Development
Programme on**

**CS02: Generative AI in Cyber
Security**

08 TO 19 JUNE, 2026



Course Objectives

This course aims to provide participants with a comprehensive understanding of Generative AI and its applications in modern cybersecurity. The programme will introduce the fundamentals of Artificial Intelligence, Machine Learning, Deep Learning, and Large Language Models, while exploring their role in threat detection, cyber threat intelligence, security automation, malware analysis, phishing detection, incident response, and secure coding practices. Participants will gain practical exposure to prompt engineering, AI-powered cybersecurity tools, vulnerability assessment, and intelligent cyber defense strategies for real-world applications. The course will also highlight emerging trends, ethical and legal considerations, data privacy concerns, adversarial AI attacks, and the responsible use of Generative AI technologies in securing digital ecosystems and critical infrastructures.

Who Can Apply

Programme is open to Faculty Members and PhD Research Scholars from Universities and Colleges working in the domain of AI and ML.

****Note:**

- The Faculty/Staff are requested to submit the NOC from respective department before attending the session.
- The participant need to be ready with the scan copy of the Institute/ Organization valid Identity Card, passport size photo and Caste certificate (if required).
- Participants have to submit soft copy of UTR No./Transaction receipt as the proof of payment while registering online for the FDP.
- This course will be conducted in online mode through Webex Platform.
- These FDPs can be considered at par with other QIP (Quality Improvement Programme) and other provisions for recognition/credits.

Course Outcomes

By the end of this course, participants will be able to:

- Understand basic cybersecurity concepts.
- Differentiate AI, ML, DL, and GenAI.
- Identify cybersecurity applications of Gen AI.
- Use Python for basic security tasks.
- Process cybersecurity datasets.
- Understand NLP fundamentals relevant to Gen AI.
- Understand how LLMs work.
- Create effective prompts and apply LLMs to cybersecurity tasks.
- Understand SOC workflows.
- Apply Gen AI in security monitoring.
- Use AI for threat intelligence automation.
- Understand malware analysis workflows.
- Identify malware indicators.
- Use AI tools for malware investigation.
- Understand vulnerability assessment basics.
- Use Gen AI for secure coding support.
- Analyze common web vulnerabilities.
- Identify Gen AI security risks and understand adversarial AI attacks.
- Understand RAG architecture and build basic AI security assistants
- Understand AI-driven incident response.
- Gain confidence in applying Gen AI to cybersecurity challenges

Principal Coordinator

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How to Register

Online: The participants may log on to the E&ICT Academy, IIT Guwahati website:

https://eict.iitg.ac.in/index_course_category?cate=em9DWXhJQTVkRkdXMUQT0dtSjkzQT09

Registration Link

<https://forms.gle/H6KEgDVFEV1DQcWAA>

Scan the QR for Registration

