



## Faculty Development Program on AI in Cybersecurity for Secure Digital Transformation

In collaboration with Information  
Security Education and Awareness  
(ISEA, Phase-III)

**Organized by Department of  
Computer Engineering,  
Information Technology,  
Electronics and Computer Science,  
Electrical and Computer Engineering**

**3rd - 7th March 2025**



### ISEA

The Information Security Education and Awareness (ISEA) Phase 3 project is a flagship initiative aimed at strengthening cybersecurity capabilities across India. Spearheaded by the Ministry of Electronics and Information Technology (MeitY), the project focuses on enhancing the nation's cybersecurity posture through education, skill development, and research initiatives. Building on the success of its previous phases, ISEA Phase 3 addresses the growing challenges in the cybersecurity landscape by fostering academic-industry collaboration, promoting awareness among stakeholders, and empowering professionals with advanced training in information security. The program emphasizes capacity building in areas such as secure coding, cryptography, network security, and emerging technologies like IoT and AI. Through its holistic approach, ISEA Phase-III aspires to create a secure digital ecosystem and ensure the nation's resilience against evolving cyber threats.

### ABOUT INSTITUTE

Pillai HOC College of Engineering & Technology (PHCET) was established in 2009 affiliated to University of Mumbai, approved by AICTE, Accredited by National Board of Accreditation (NBA) for Computer, Mechanical, Information Technology and Civil Engineering. PHCET also accredited with "A<sup>+</sup>" grade by the National Assessment & Accreditation Council (NAAC). The college is ranked among top 151-300 Engineering institutes of the country by NIRF 2023, conducted by MHRD. Institute offers UG, PG, and Ph.D. programmes in various fields.

### ABOUT THE WORKSHOP

In today's fast-changing digital environment, organizations are going through a process called digital transformation and AI is playing a pivotal role in improving cybersecurity measures. Through this FDP, participants will learn AI technologies that are transforming the new cybersecurity practices to ensure secure digital transformation and to face the emerging challenges of the age of digitalization. It would give deep insights to the participants about the use of AI-powered tools to create robust cybersecurity frameworks by tackling the opportunities and challenges associated with AI integration in security operations. The FDP would provide a profound understanding of how AI can help in securing digital transformations, bringing up innovative methods under development for facing cybersecurity challenges within a rapidly evolving technological landscape.

### WORKSHOP OBJECTIVES

1. To understand how AI and machine learning are being used to safeguard organizations.
2. To analyze the opportunities AI brings to cybersecurity.
3. To examine key challenges that organizations face when integrating AI with cybersecurity.
4. Hands-on experience with practical tools in applying AI for securing networks, systems, and data.
5. To design an AI-powered cybersecurity strategy that overcomes both opportunities and challenges in digital environments.

## CONTENTS

- Introduction to Cyber Security & challenges.
- Cryptography & Information Security.
- Open Source Tools in Cyber Security.
- Cyber Threat Data Scanning Tools.
- Cyber Threat Intelligence & Data Collection.
- Wireless / Wi-Fi Network Defense & Counter Measures.
- AI with Cyber Security

## RESOURCE PERSONS

Resource persons include experienced faculty members/industry experts from IITs, IIITs, and leading universities/industries of the country with demonstrated excellence in the field of computer networks and IoT security.

## HOW TO APPLY

For more details and registration, Visit ISEA website.

Form link: <https://forms.gle/uye4c46FZRHDsk9E7>

Last date to apply for application form :  
**25/02/2025**

Notification of shortlisted Candidates :  
**26/02/2025**

Last date of Payment of registration fees :  
**28/02/2025**

## ELIGIBILITY, SELECTION & CONFIRMATION OF SEAT

The FDP is open to faculty members of AICTE/UGC approved universities / engineering/ polytechnic colleges from North-East India, preferably from CSE/IT/ECE/Computer application branches. A total of 50 seats are available for the FDP which will be filled based on first-come first-serve basis. The prime target will be participants from institutes in North-East India. Special preference will be given to women faculty members and members from backward classes and tribes.. Faculty from other parts of India will be considered only if there are seats available after filling prime target members. Interested candidates have to apply online via the mentioned application link. Registration is free.

## VENUE AND TIME

**Venue :** Pillai HOC College of Engineering and Technology, Rasayani

**Dates :** 03 - 03 - 2025 to 07 - 03 - 2025

**Timings :** 10:00 AM to 01:00 PM  
02:30 PM to 05:00 PM

## PRINCIPAL

**Dr. J.W. Bakal**

## ORGANISING COMMITTEE

All faculty members of Computer Engineering, Information Technology , Electronics and Computer Science and Electrical and Computer Engineering department.

## WORKSHOP COORDINATORS

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