



KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)

Deemed to be University U/S 3 of the UGC Act, 1956



Executive Development Program on Cyber-security

OVERVIEW:

The technique of protecting computers, servers, mobile devices, electronic systems, networks, and data from hostile intrusions is known as cyber security. It's also known as electronic information security or information technology security. The phrase is used in a range of contexts, ranging from business to mobile computing. The development program focuses on the different aspects of cyber security, its implementation procedures and applications.

COURSE OUTLINE: This program covers the following topics module-wise:

- **Module 1:** Introduction to Cybersecurity Risk Management
- **Module 2:** Cybersecurity Foundation Concepts
- **Module 3:** Federal Government Role: Law, Operations, and Standards
- **Module 4:** Threats and Vulnerabilities
- **Module 5:** Cybersecurity for Critical Urban Infrastructure
- **Module 6:** Identity and Access Management (IAM) Concepts
- **Module 7:** IAM Layers and Technology
- **Module 8:** Preparing for a Job in Cybersecurity Risk Management
- **Module 9:** Introduction to Defensive Cybersecurity
- **Module 10 :** Cryptography
- **Module 11 :** Security Operations Center (SOC)
- **Module 12 :** Incident Response (IR)
- **Module 13 :** Secure Systems Administration
- **Module 14 :** Secure Network Administration
- **Module 15 :** Cloud Security
- **Module 16 :** Preparing for a Job in Cybersecurity Operations
- **Module 17 :** Introduction to Offensive Cybersecurity
- **Module 18 :** Penetration Testing Part 1
- **Module 19 :** Penetration Testing Part 2
- **Module 20 :** Social Engineering
- **Module 21 :** Artificial Intelligence
- **Module 22 :** Policy and Privacy, Regulation, and Data Governance
- **Module 23 :** OT and IoT Risk
- **Module 24 :** Preparing for a Job in Offensive Cybersecurity Operations

DURATION: 6 Months

FEES: 50000 INR

COURSE START DATE FOR UPCOMING BATCH: 4th June, 2022

ELIGIBILITY: Graduate students, Final year students, working professions in engineering fields.

OPPORTUNITIES: After completing this programme, the students or working profession can acquire the knowledge on cyber security and its implementation procedures and applications.

SELECTION PROCESS: Screening and Selection will be done by KIIT selection committee

MODE OF TEACHING: online mode

CONDUCTING SCHOOL: School of Computer Engineering

SYSTEM REQUIREMENTS: The candidate should have the following system facilities to access the online course:

- ✓ Speakers and microphone: built-in or a USB plug-in or wireless Bluetooth
- ✓ Webcam: built-in or USB plug-in
- ✓ Processor: with Dual Core 2Ghz or higher (i3/ i5/ i7 or AMD equivalent)
- ✓ RAM: 4 GB or higher
- ✓ OS: Either MacOS 10.7 or higher OR Windows 8 or higher
- ✓ An internet connection: Minimum bandwidth of 3.0 Mbps (up/ down)
- ✓ Browser: IE 11+, Edge 12+, Firefox 27+, Chrome 30+
- ✓ Zoom software client installed on your PC/ Laptop/ Ma

EMAIL FOR QUERIES: ldc.kiit@kiit.ac.in

APPLY NOW

APPLY NOW : https://docs.google.com/forms/d/e/1FAIpQLSc31YRI-TzNw8uX7xIZtEbNI7Y_RMsbIR32A-cGaFBMvPcVkw/viewform

Certificate will be provided after completion of the program