Unncap
Unncap Edusense Private Limited

ADVANCED CERTIFICATION IN

CYBER SECURITY

in collaboration with

**Electronics & ICT Academy
IIT Guwahati**

E & C
IIT Guwahati

E&ICT Academy

IIT Guwahati

IIT Guwahati, established in 1994, is one of India's top institutions for science, engineering, and technology. Located in Assam, it offers undergraduate, postgraduate, and doctoral programs across various disciplines. Known for its cutting-edge research in areas like nanotechnology and AI, IIT Guwahati consistently ranks among the top Indian engineering schools. The campus is famous for its beautiful setting and active student life, with events like Alcheringa and Techniche drawing national attention. Globally recognized, IIT Guwahati continues to drive innovation and foster future leaders.

UNNCAP Edusense Private Limited

Unncap is not just another educational platform; we are a community dedicated to fostering intellectual curiosity, critical thinking, and lifelong learning. We understand that education is the key to personal growth, professional success, and societal advancement. That's why we've created a dynamic online learning environment where students of all ages and backgrounds can discover new passions, acquire valuable skills, and achieve their academic and career goals.

It was in the second half of FY 2023-24, that the Management decided to segregate its Learning & Development Wing and PCEL to focus on inhouse Training and decided to diversify into the arena of Skilled Based Job Oriented Training to students, which led to the genesis of a subsidiary company aimed at unlocking the potential of freshers and professionals. We focus on providing opportunities for individuals to enhance their productivity and deliverables by keeping pace with new technologies and skilling opportunities.

About the Partnership:

Unncap, E&ICT Academy IIT Guwahati, and industry veterans have jointly collaborated to create the Advanced Certification in Cyber Security to prepare for the future of Cyber Security.

Dr. Gaurav Trivedi
Principal Investigator, E&ICT Academy, IITG

"Today the amount of Cyber Security organizations collect is unprecedented, and it's difficult to determine what to do with the data, what aspects of Cyber Security are important, and how it should be managed. So to equip today's professionals with tomorrow's technology, we at **E&ICT Academy, IITG** in collaboration with **Unncap** have launched our Advanced Certification program in Cyber Security."

Purvi Manish Mathur
Director, Unncap Edusense Pvt Ltd

"**Unncap**, a company which aimed at unlocking the potential of freshers and professionals by providing them opportunities to enhance their productivity and deliverables by keeping pace with new technologies and skilling opportunities, has now collaborated with the prestigious **E&ICT Academy, IIT Guwahati** which undoubtedly represents a transformative step in the educational landscape, blending academic rigor with innovative technology.

This collaboration aims to leverage the IIT's cutting-edge research and expertise with the EdTech company's dynamic platforms and digital tools. Together, we are confident that we can develop customized learning solutions that will cater to diverse student needs, enhancing accessibility and engagement.

Furthermore, this partnership could facilitate real-world projects and internships, bridging the gap between theoretical knowledge and practical application. Ultimately, this alliance not only aims to elevate educational standards but also prepares students to thrive in a rapidly evolving job market. Through shared resources and a commitment to innovation, they are poised to redefine how education is delivered and experienced."

Importance of
Cyber Security Program:

Cybersecurity is vital in India's growing digital market, with a **45% rise** in cyberattacks in **2023** and over **1.5 million** incidents reported. As digital payments surge, projected to hit **$10 trillion by 2026**, securing data and transactions is essential. Initiatives like Digital India and the government's **₹3,000 crore** investment in cybersecurity aim to protect against hacking and fraud, ensuring the safety of the nation's digital infrastructure.

Advanced Certification in
Cyber Security (EICT | IITG):

The Advance Cyber Security Program at Unncap® is crafted to equip new learners with the essential knowledge and skills to protect and secure digital environments. In today's world, where cyber threats pose significant risks to organizations and individuals alike, this program offers a comprehensive understanding of how to safeguard data and critical infrastructure from potential harm. The curriculum focuses on educating students about various aspects of cybersecurity, from identifying and analyzing risks to implementing effective security measures.

Through a well-structured online learning platform, this course emphasizes building practical skills tailored to meet the demands of the fast-evolving cyber world. Learners will develop expertise in data protection, risk analysis, and cloud-based security solutions. With a focus on reducing risks and ensuring compliance with industry standards, the program enables students to tackle real-world cyber challenges confidently.

The Cyber Security Program not only provides theoretical knowledge but also delivers hands-on training through case studies and practical exercises. This helps students understand the practical application of cybersecurity principles. Whether you are looking to build a career in cybersecurity or enhance your skills, this course is designed to prepare you for the challenges of the digital age and secure the future of IT infrastructures across industries.

Key Highlights:

In today's more-than-ever competitive world, every decision you make has an effect on your career. We understand the criticality of the opportunity and prepare the candidates with utmost confidence to make them the winners. Nowadays companies try contemporary ways to select a candidate. We know the gaps between academia and industries, what interviewers ask and what they get from candidates, and are able to fill up those gaps with our intensive program which includes:

Learning Path

Module: 1

Preparatory Sessions – Python & Linux Foundation

- Python Environment Setup and Essentials
- Python Language Basic Constructs
- Introduction to Linux and File Managements

Module: 2

Introduction to Cyber Security & Information Security

2.1 What is Cyber Security
2.2 Overview
2.3 Need and Importance
2.4 Different Verticals

Module: 3

Working with Kali Linux 2021.1

3.1 Introduction to Kali Linux
3.2 Services in Kali (HTTP, SSH)
3.3 Wget, curl, grep, awk, tail, head, watch, find, locate
3.4 Piping and Redirection
3.5 Python and Bash Scripting
3.6 Netcat, Socat, Powercat, Powershell, Wireshark, tcpdump
3.7 Note taking

Module: 4

Network Security

4.1 Security Controls
4.2 Networking Concepts
4.3 Traffic Analysis
4.4 Packet Analyzers
4.5 Sniffers
4.6 Firewalls
4.7 SIEM
4.8 VLAN
4.9 VPN

Module: 5

Incident Detection with Security Information and Event Management (SIEM)

5.1 Understand the Basic Concepts of Security Information and Event Management (SIEM)
5.2 Discuss the Different SIEM Solutions
5.3 Understand the SIEM Deployment
5.4 Learn Different Use Case Examples for Application-Level Incident Detection
5.5 Learn Different Use Case Examples for Insider Incident Detection
5.6 Learn Different Use Case Examples for Network Level Incident Detection
5.7 Learn Different Use Case Examples for Host Level Incident Detection
5.8 Learn Different Use Case Examples for Compliance
5.9 Understand the Concept of Handling Alert Triaging and Analysis

Module: 6

Security Operations and Management

6.1 Understand the SOC Fundamentals
6.2 Discuss the Components of SOC: People, Processes and Technology
6.3 Understand the Implementation of SOC

Module: 7

Identity and Access Management (IAM)

7.1 Logical/Physical Access to Assets Management
7.2 Authentication and Identification Management
7.3 Integrating Identity as a Third-Party Service
7.4 Mechanism of Authorization
7.5 Provisioning Life Cycle's Identity and Access.

Module: 8

Web Application Penetration Testing

8.1 OWASP Tools and Methodologies
8.2 Insecure Deserialization
8.3 Clickjacking
8.4 Black Box Testing
8.5 White Box Testing
8.6 Fuzzing
8.7 Cryptograph
8.8 Symmetric/Asymmetric Cryptography
8.9 Hashing
8.10 Digital Signatures
8.11 API Security
8.12 Patch Management

Module: 9

Malware Analysis

9.1 Types
9.2 Ransomware
9.3 Detection
9.4 Analysis

Module: 10

Ethical Hacking

10.1 Introduction
10.2 Foot Printing and Reconnaissance
10.3 Scanning Networks
10.4 Enumeration
10.5 Vulnerability Analysis
10.6 System Hacking
10.7 Sniffing
10.8 Social Engineering
10.9 Denial-of-Service
10.10 Session Hijacking
10.11 Evading IDS
10.12 Firewalls and Honeypots
10.13 Hacking Web Servers
10.14 SQL Injection
10.15 Hacking – Wireless Networks
10.16 Mobile Platforms
10.17 IoT.

Module: 11

Cloud Security

11.1 Infrastructure Security: Network level security, Host level security, Application-level security
11.2 Data security and Storage: Data privacy and security Issues, Jurisdictional issues raised by Data location
11.3 Access Control
11.4 Trust, Reputation, Risk
11.5 Authentication in cloud computing, Client access in cloud, Cloud contracting Model, Commercial and business considerations

Module: 12

Software Development Security

12.1 Security Controls for The Development Environment
12.2 Life Cycle Security
12.3 Impact of Acquired Software Security
12.4 Effectiveness of Software Security.

Capstone Project:

In this module, you will learn how to prevent a web application from being hacked as well as what key points to be considered for making an web application secure. This capstone project will give you exposure of both blue team and red team work profile and help you gain exposure on both the sides.

Objectives

The main objectives of this scheme are given below:

- Develop a comprehensive curriculum that balances technical skills with general education to ensure graduates understand the ethical, legal, and societal implications of cybersecurity.

- Equip students with practical cybersecurity skills, including network security, cryptography, incident response, ethical hacking, and risk management.

- Offer multiple exit points within the program to accommodate students' individual career goals and learning pace.

- Align the program with the National Skills Qualifications Framework (NSQF) to ensure graduates meet industry-recognized standards and are job-ready.

- Foster global awareness and cultural sensitivity to prepare students for international collaboration and addressing cybersecurity challenges in a diverse world.

- Establish clear pathways for students with vocational backgrounds and community college education to enter the cybersecurity program and advance their careers.

We Offer The Best Career:

Specialized Education: Unncap focuses on specialized products for providing certification and job placement support in the aviation industry, ensuring a targeted and effective learning experience.

256+
Free Video

1400+
Placements in 2024

200+
Hiring partners onboard

1.7 lac+
Highest monthly CTC offered

Industry Expert Instructor

Industry expert instructors are the pinnacle of knowledge and experience in their fields. They offer practical insights that empower learners. As mentors, they provide guidance and support, helping students navigate career paths.

Up-to-Date Course Content

In today's rapidly evolving industries, staying relevant is paramount. Our courses, curated by industry experts, offer cutting-edge content that reflects the latest trends and innovations. With up-to-date course content, you'll be prepared to tackle challenges head-on.

Biggest Student Community

Welcome to our vibrant student community, where learning knows no bounds! Join thousands of passionate learners from around the globe in our expansive network. Whether you're seeking academic support, networking opportunities, or simply a place to connect with like-minded peers.

95%
Students placed in different companies

9/10
Students rating all over course curriculam

20k
Trained Students

We are Proud of Our Students

UNNCAP has placed thousands of students in various top companies like:

accenture   Tech Mahindra   Walmart   Cognizant   IBM   amazon

xerox   ESPN   Microsoft   Myntra   Flipkart

Capgemini   NETFLIX   Adobe   Jio   OLA   hp

Students Success Stories:

Unncap
Rating

★★★★★ **4.9**

2,490+ Website Reviews

Priya Patel
Student

Unncap's Advanced Certification in Cyber Security is fantastic! The course content is engaging and relevant. I appreciate the flexibility of online learning and the platform's user-friendly interface. The course materials and assignments are well-structured. Highly recommend!

Rahul Sharma
Student

Loved the Executive Program in Data Science & Artificial Intelligence on unncap! The video tutorials were clear and engaging. The practice tests really helped prepare me for the interview. The course material was comprehensive and up-to-date. Highly recommend it to anyone.

Nisha Singh
Student

The Aviation Cabin Crew Course offered by Unncap is top-notch. The faculty's industry experience and the practical training facilities are excellent. Highly recommended for those interested in Aviation Cabin Crew Course.

Neha Bisht
Student

Studying Airport Management & Customer Service Program at Unncap was a fantastic experience. The curriculum was comprehensive, covering everything from airport operations to airport management. Ideal for aspiring aviation professionals!

Aryan Kumar
Student

I enrolled in the German Language Proficiency course at Unncap to improve my communication skills. The course structure was well-planned, and the trainers were supportive. I noticed a significant improvement in my fluency and confidence.

Naman Sahu
Student

The Advanced Certification in Cyber Security Course on unncap is fantastic! The course content is engaging and relevant. I love how the platform makes learning interactive. The flexibility to study at my own pace is a huge plus. Highly recommend!

Eligibility

- **Graduation Students**

- **Basic knowledge of English**

- **Having a pleasing personality**

- **Selection will be on basis of personal interviews**

Prerequisites :

Graduate & Working Professional

Duration :

9 Months / 208 hrs

Program Fee

Program Fee	₹2,25,000/- Inclusive of all taxes

Contact Us

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