**INDIAN CYBER SECURITY SOLUTIONS**
A unit of **CYBERSECOPS PVT LTD**

# D|ACS

# DIPLOMA IN ADVANCED CLOUD & NETWORK SECURITY

Member of: nasscom DSCI PROMOTING DATA PROTECTION ICC Indian Chamber of Commerce

# Indian Cyber Security Solutions

in association with

# Indian Institute of Cyber Security

Step into the future of cyber defense with our Diploma in Advanced Cloud & Network Security, a specialized program crafted by Indian Cyber Security Solutions and the Indian Institute of Cyber Security.

Gain hands-on expertise in securing cloud platforms (AWS, Azure, GCP) and protecting enterprise networks through advanced routing, switching, firewalls, IAM, automation, and real-world security practices.

Build industry-ready skills in cloud architecture, network defense, and modern security tools—preparing you for high-demand roles in today's cybersecurity ecosystem.

Start your journey toward becoming a certified Cloud & Network Security professional today!

# About the Program

Cloud Security

Network Security

Security Automation

In this advanced training program, we dive deep into the world of cloud and network security to equip you with the practical skills and expertise required to secure modern digital infrastructures. The curriculum focuses on hands-on learning across Cloud Security, Network Security, and Security Automation.

You'll explore real-world cloud architectures, identity and access management, secure VPC design, routing and switching, firewall configuration, and monitoring tools used by cybersecurity professionals. Through practical labs and simulation-based challenges, you'll learn how to secure AWS, Azure, and hybrid environments, detect vulnerabilities, mitigate threats, and strengthen enterprise network defenses.

Whether you're an aspiring cybersecurity engineer or an IT professional looking to upskill, this program prepares you for high-growth roles in cloud security, network security, and SOC operations—opening the door to a rewarding and future-ready cybersecurity career.

# Certification

After the completion of the course, candidates will get a joint certificate from Indian Cyber Security Solutions and Indian Institute of Cyber Security

# Course Fee

| Class Room Training | Online LIVE Training |
|---|---|
| **Course Fee: INR 93,000/**<br>(One-time payment)<br>**Course Duration: 40Hours**<br>**3 Months Training**<br>2 Classes Per Week X 2 Hours Each Day<br>**Batch Timing**<br>Week End Classes \| Week Days Classes | **Course Fee: INR 93,000/**<br>(One-time payment)<br>**Course Duration: 40 Hours**<br>**3 Months Training**<br>2 Classes Per Week X 2 Hours Each Day<br>**Batch Timing**<br>Week End Classes \| Week Days Classes |

# University Training Partner's

Jadavpur Universisty

Adamas University

IIT Guwahati

IIT Kharagpur

GNIIT

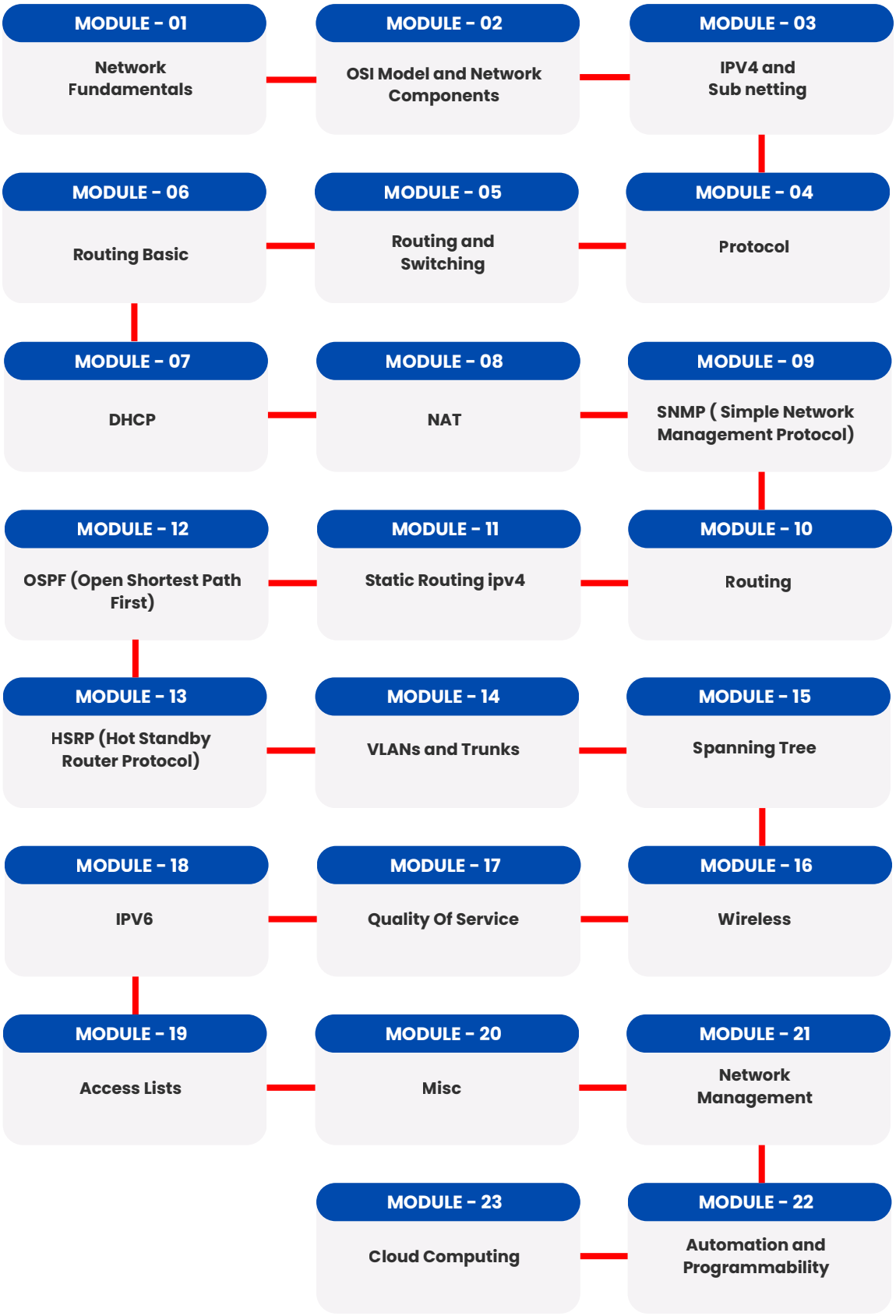
Lovely Professional University

Bangalore Institute of Technology

Bengal Institute of Technology and Managem

Anna University

# CCNA - Course Module



# CCNP Course Module

**MODULE - 01**
Redistribution

**MODULE - 02**
Route Filtering

**MODULE - 03**
EIGRP

**MODULE - 04**
EIGRP Load Balancing

**MODULE - 05**
OSPF Multiarea

**MODULE - 06**
OSPF Authentication

**MODULE - 07**
OSPF Area Types

**MODULE - 08**
OSPF V3 & BGP

**MODULE - 09**
BGP Configuration

**MODULE - 10**
Multi Protocol BGP

**MODULE - 11**
WAN Technologies

**MODULE - 12**
Redundancy protocol

**MODULE - 13**
Wireless Network

**MODULE - 14**
Quality of Service

**MODULE - 15**
AAA Authentication

**MODULE - 16**
Software Defined Network

**MODULE - 17**
Automation

**MODULE - 18**
STP, RSTP, MSTP

# Amazon Web Services

## Course Module

**MODULE - 01**
Introduction to Cloud Computing

**MODULE - 02**
Introduction to AWS

**MODULE - 03**
Amazon Elastic Compute Cloud (EC2)

**MODULE - 04**
Elastic Block Store (EBS)

**MODULE - 05**
Amazon Machine Image (AMI)

**MODULE - 06**
Elastic Load balancer

**MODULE - 07**
Auto Scaling

**MODULE - 08**
Amazon Virtual Private Cloud

**MODULE - 09**
Identify Access Management

**MODULE - 10**
Cloud watch

**MODULE - 11**
Simple Notification Service (SNS)

**MODULE - 12**
Simple Storage Service

**MODULE - 13**
Lambda

**MODULE - 14**
Relational Database Service (RDS)

**MODULE - 15**
AWS Command Line Interface (CLI)

**MODULE - 16**
Cloud Formation (CFN)

**MODULE - 17**
Budgets

Doubt Clear Session

**MODULE - 16**
Final Project with Documentation

# EHP Course Module

**MODULE - 01**
Introduction To Ethical Hacking

**MODULE - 02**
Information Gathering Techniques

**MODULE - 03**
Introduction to Basic Networking

**MODULE - 04**
Network Scanning and Enumeration

**MODULE - 05**
Host and Device Vulnerability Assessment

**MODULE - 06**
Vulnerability Analysis

**MODULE - 07**
Malware Analysis and Defense

**MODULE - 08**
System Hacking

**MODULE - 09**
Network Packet Analysis and Sniffing

**MODULE - 10**
Social Engineering and Human Manipulation Attack

**MODULE - 11**
Denial-of-Service (DoS)

**MODULE - 12**
Bypassing Firewalls and Honeypots

**MODULE - 13**
Hacking Web Servers

**MODULE - 14**
Web Fundamentals

**MODULE - 15**
Web Application Security

**MODULE - 16**
SQL Injection and Injection Attacks

**MODULE - 17**
Wireless Network Security

**MODULE - 18**
Android Hacking

**MODULE - 19**
IOT Penetration Testing

**MODULE - 20**
Introduction to Cloud Computing

**MODULE - 21**
Cryptography and Data Protection

# NPT Course Module

**MODULE - 01**
Introduction to Kali Linux

**MODULE - 02**
Network Penetration Testing Overview

**MODULE - 03**
Information Gathering

**MODULE - 04**
Vulnerability Scanning

**MODULE - 05**
Password Attacks

**MODULE - 06**
Windows Exploitation

**MODULE - 07**
Linux Exploitation

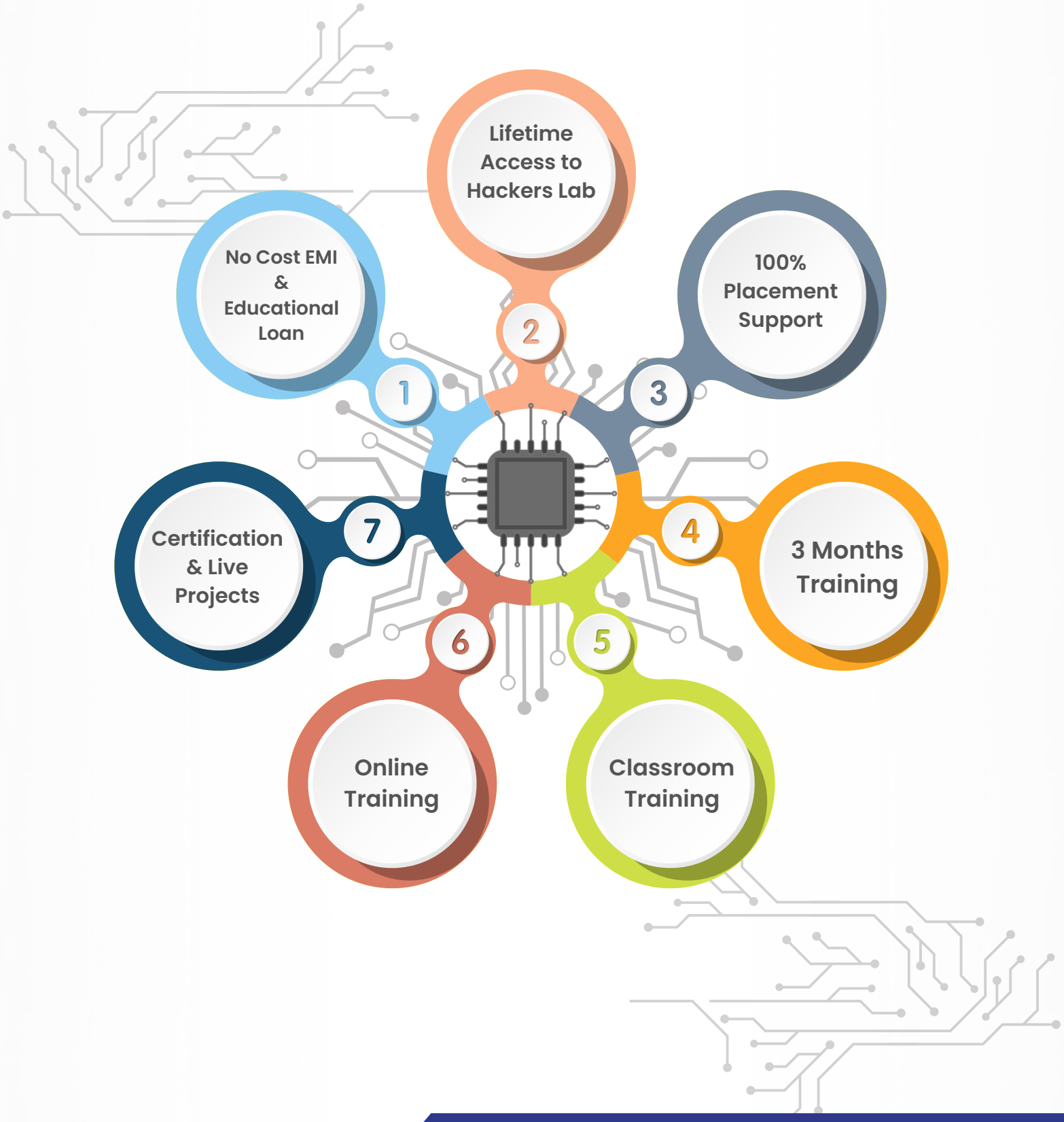
**MODULE - 08**
Lateral Movement

**MODULE - 09**
Active Directory Introduction and Attacks

**MODULE - 10**
Penetration Testing and CTF Exercises

**MODULE - 11**
Report Writing for Penetration Testers

# Key Highlights



# Why Choose

## Diploma in Advanced Cloud & Network Security at ICSS

### Expert Instructors

Learn from industry experts with real-world experience in cloud architecture, network security, and enterprise security operations—bringing practical insights directly to your training.

### Practical and Hands-on Training

Master Cloud and Network Security through lab-based learning, real-time simulations, and practical projects covering AWS, Azure, routing, switching, firewalls, IDS/IPS, and automation tools.

### Flexible Learning Options

Our course is designed to fit your schedule, offering both online and in-person training options. We ensure high-quality learning at an accessible cost for students and working professionals.

### Global Recognition & Networking Opportunities

Gain industry-aligned skills and certification-ready expertise that open doors to high-demand careers in cloud security, network security, SOC operations, and infrastructure defense.

# Eligibility Critaria

## Technical

**Individuals with a Technical foundation can expand their expertise by enrolling in Diploma in Advanced Cloud & Network Security**

- Familiarity with computer systems, software and programming concepts is helpful.
- No formal experience required, but some exposure to coding or IT concepts is beneficial.
- Comfort with technology, logical thinking, and problem-solving abilities are advantageous.
- Willingness to learn and explore technical topics is important.
- Individuals interested in cloud computing and Azure services are encouraged to join.

## Non-Technical

**Students from non-technical disciplines can pursue courses in Diploma in Advanced Cloud & Network Security**

- A keen curiosity about technology and the cloud is all you need to start.
- No coding or technical skills are necessary to begin the training.
- Comfortable using a computer and basic software applications.
- An open mind and a desire to understand new concepts.
- Good communication skills to collaborate effectively with tech experts.

# Job Opportunities

**1 Cloud Security Engineer**

Secures AWS, Azure, and hybrid cloud environments from threats and misconfigurations.

**2 Network Security Engineer**

Protects enterprise networks by managing firewalls, monitoring traffic, and preventing intrusions.

**3 SOC Analyst**

Monitors, detects, and responds to security incidents using SIEM and threat analysis tools.

**ICS/SCADA & OT Security Testing**

**4 Cloud Administrator**

Manages cloud resources, VPCs, and access policies to ensure secure cloud operations.

**5 Network Defender / Administrator**

Maintains network infrastructure and safeguards it from attacks and disruptions.

**6 Cybersecurity Consultant**

Provides guidance on securing cloud and network systems, risk mitigation, and compliance.

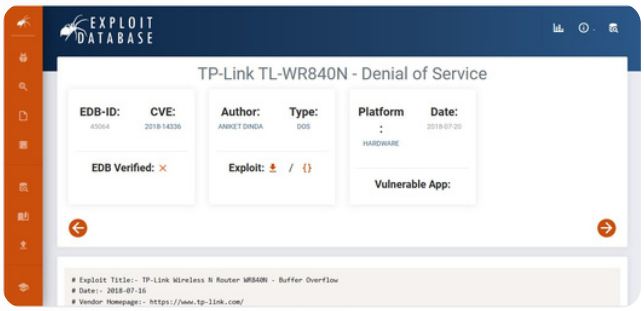
# Trainers Profile

- **Cloud & Network Security Experts:**
  Trainers with deep experience in cloud platforms, network defense, enterprise security, and large-scale infrastructure.
- **Hands-On Teaching Approach:**
  Live practical labs covering AWS, Azure, routing, switching, firewalls, SIEM tools, and real-world security scenarios.
- **Years of Industry Experience:**
  Professionals with strong backgrounds in cybersecurity, cloud engineering, SOC operations, and network architecture.
- **Corporate Training Expertise:**
  Experience delivering security training to organizations, aligned with industry standards and modern cloud-network environments.
- **Personalized Learning Support:**
  One-on-one guidance, feedback, and continuous support to ensure every student masters practical skills.
- **Career Guidance & Mentorship:**
  Support with resumes, interviews, certification paths, and career direction in cloud and network security roles.

# Student Achievements

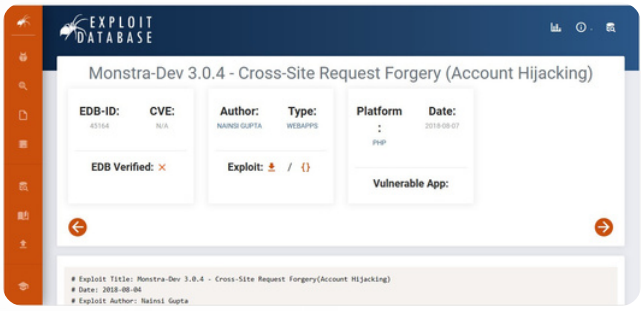
**Rabsun Sarkar** one of our students has found zero-day vulnerabilities in Google and in the Security Talent Website and also reported the same:

https://securitydelta.nl/news/overview/hsd-responsible-disclosure-rabsun-sarkar-reported-a-vulnerability-in-the-se- curity-talent-website




**Aniket Dinda** is our student who has found out about Zero-Day Vulnerability and has been published on Exploit DB:

https://www.exploit-db.com/exploits/45064




**Nainsi Gupta** is our student who has found out about Zero-Day Vulnerability and has been published on Exploit DB:

https://www.exploit-db.com/exploits/45164

# Our Recent **Placements**

Placed at: Tecplix
CTC 3.6 LPA

SUVHANKAR PROSAD KAR

CCNA

Check Offer Letter

Placed at: Tecplix
CTC 3.6 LPA

NAGACHARAN UN

Ethical Hacking

Check Offer Letter

Placed at: BLACK BOX
CTC 4.5 LPA

ARAPAN SAHA

CCNA

Check Offer Letter

Placed at: Tecplix
CTC 3.6 LPA

KUSHAL MV

WAPT

Check Offer Letter

Placed at: Tecplix
CTC 3.6 LPA

AYUSH RATHORE

WAPT

Check Offer Letter

Internship at: ARMATRICS Applications
CTC 2.3 LPA

PRASANDEEP SUTRADHAR

Diploma in Cyber Security

Check Offer Letter

Internship at: eXotel
CTC 2.4 LPA

ANIKET KUMAR

Diploma in Cyber Security

Check Offer Letter

Internship at: ARMATRICS Applications
CTC 1.8 LPA

TANHAZ HUSSAIN

Ethical Hacking

Check Offer Letter

Internship at: Scrut Automation
CTC 2.4 LPA

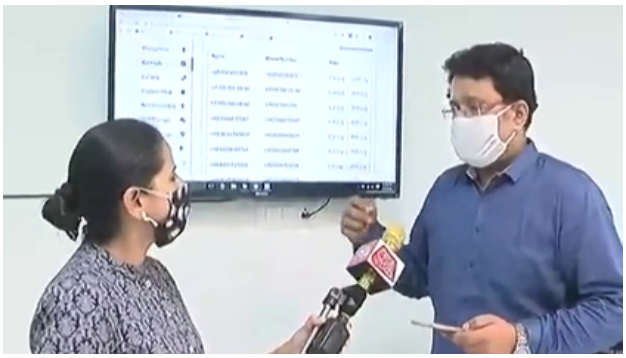
SHIBASHISH SAHA

CEH

Check Offer Letter

# Our Achievements

# Media Coverages



# Seminar & Workshop

Kolkata Police (Cyber Crime Department)

CISF Nes HQTRS Kolkata

Royal Police & Army of Bhutan

IIT Kharagpur (2017)

IIT Guwahati

Anna University, Chennai

Lovely Professional University

Guru Nanak Institute of Technology- Jis Group

# Seminar & Workshop

Supreme Knowledge Foundation

Live Cybersecurity Demo with Bhutan Security Forces

Cyber Security Training at Lux Cozy

Cyber Security Workshop at Police Department

Smartathon 2024, hosted by Ericsson Telecommunications Inc.

Cybersecurity Conference at Keens Conference, Hyderabad

Cyber Security Workshop at ICFAI University

Certificate distribution Windhoek, Namibia

# Seminar & Workshop

Cyber Security Workshop in Namibia

Cyber Security Training Session for LIC Senior Management

Mr. Abhishek Mitra Was Invited to CSIR-CIMFR's IoT-Based Smart Mining Initiative

Mr. Abhishek Mitra is invited to conduct a workshop IIT (ISM) Dhanbad.

Mr. Abhishek Mitra is invited to conduct a workshop at CSIR–CIMFR, Dhanbad.

Mr. Abhishek Mitra Invited to Conduct Workshop at Govt. Polytechnic, Nirsa Dhanbad

ICSS and IICS conducted a session at ICFAI University on Cyber Security and Legal Frameworks.

# Our Hiring Partners

amazon web services

TATA CONSULTANCY SERVICES

ITC Limited

wipro

pwc

Deloitte.

BLACK BOX

Tecplix
WHERE IDEAS THRIVE

exotel

Scrut Automation

ARMATRICS Applications
optimizing solutions...

# Other Collaborators

Parul University: Indian Cyber Security Solutions (ICSS) is delighted to join forces with Parul University in April 2022, marking the start of a five-year strategic collaboration focused on pushing the boundaries of cybersecurity education and research. ICSS will be investing its expertise and resources into this venture, equipping students with unrivaled skills for success in their field - ultimately igniting positive change across the industry through our steadfast commitment. We are brimming with anticipation over what incredible results will come from this partnership!

MAKAUT (ISKFGI College): With the ever-growing demand for skilled cybersecurity professionals. ICSS has teamed up with SKFGI College in a long-term partnership to establish an industry-leading program. For 10 years we will use our wealth of expertise and resources to ensure that students receive cutting-edge knowledge and skills from this collaboration- creating future leaders who can tackle any cybersecurity challenge. Our ambition is clear-develop tomorrow's talent today by empowering young minds into becoming successful digital citizens!

Lovely Professional University: Indian Cyber Security Solutions has collaborated with LPU to organize cyber security workshops, Hackathons and Bootcamps. The students at LPU put their skills to the test, making for a truly inspiring event. LPU and ICSS have decided to organize more such events as these events help them to sharpen the skills.

# Brands that Trust
# **Our Competencies**

# Contact Us


## Aabhishhek Mitra

Founder & CEO

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