D|NS | DIPLOMA IN 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 Network Security, a specialized program by Indian Cyber Security Solutions and the Indian Institute of Cyber Security.

Gain hands-on expertise in securing enterprise networks, covering routing & switching, firewalls, VPNs, IDS/IPS, access control, and network monitoring.

Learn to defend organizational infrastructure using real-world security tools, secure network design, and threat detection techniques.

Build industry-ready skills for high-demand roles as a Network Security professional in today's cybersecurity ecosystem.

About the Program

In this advanced Diploma in Network Security, we dive deep into the fundamentals and advanced concepts of securing modern enterprise networks. The program is designed to equip learners with practical skills and real-world expertise required to protect digital infrastructure.

The curriculum focuses on network security architecture, routing and switching security, firewalls, VPNs, IDS/IPS, access control, and network monitoring. Learners gain hands-on experience configuring and managing enterprise-grade network security devices and tools.

Through practical labs and scenario-based training, you will learn how to identify vulnerabilities, detect network-based attacks, implement defense mechanisms, and strengthen network resilience.

This program prepares aspiring professionals for high-demand roles in Network Security, SOC operations, and infrastructure defense, opening doors to a stable 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 37,500/ (One-time payment) **Course Duration: 40Hours 3 Months Training** 2 Classes Per Week X 2 Hours Each Day **Batch Timing** Week End Classes | Week Days Classes	**Course Fee: INR 37,500/** (One-time payment) **Course Duration: 40 Hours 3 Months Training** 2 Classes Per Week X 2 Hours Each Day **Batch Timing** 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
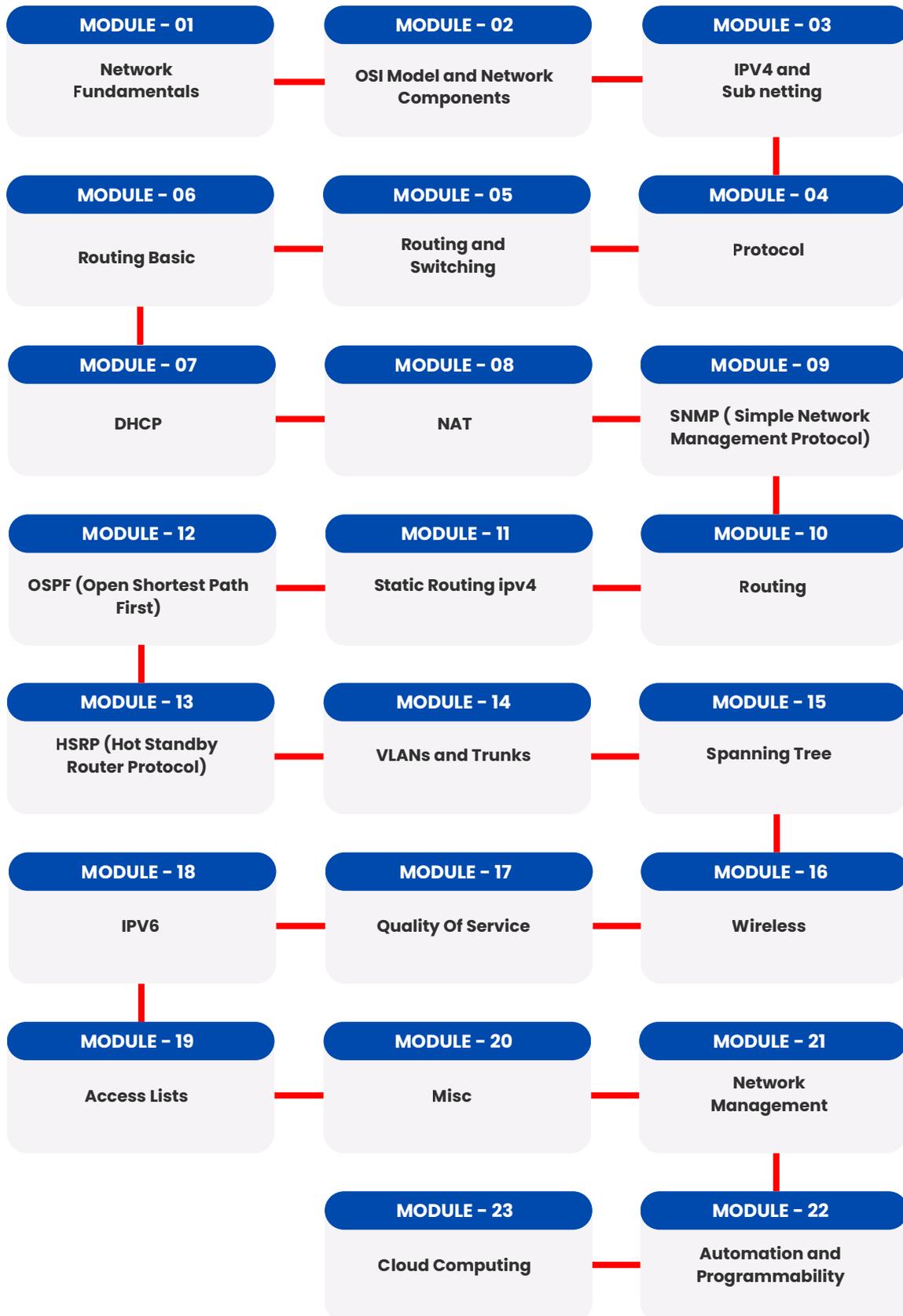
Bengal Institute of Technology and Managem

Anna University
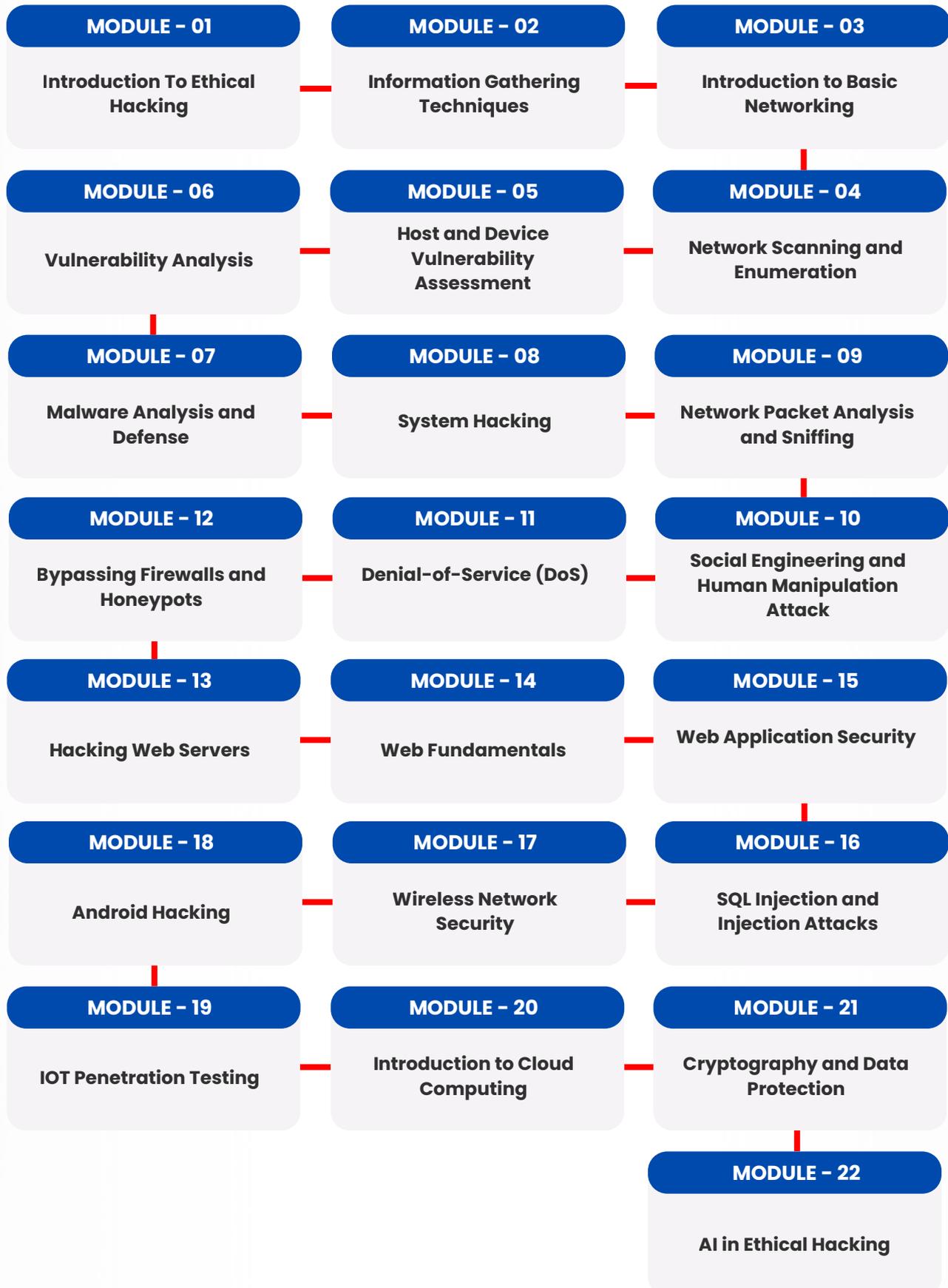
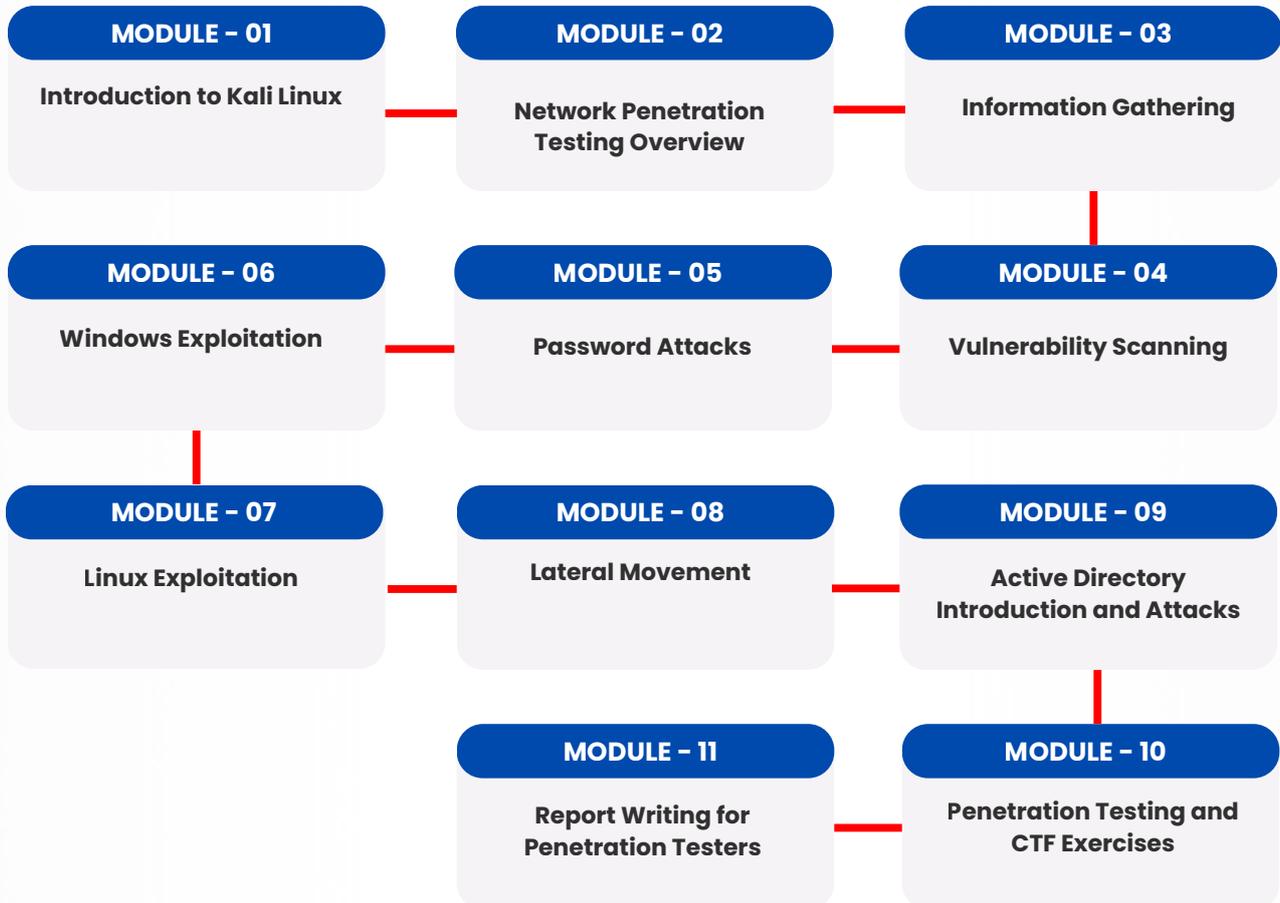**UNIVERSITY OF ENGINEERING & MANAGEMENT**
Good Education, Good Jobs

CCNA - Course Module

MODULE – 01

Network
Fundamentals

MODULE – 02

OSI Model and Network
Components

MODULE – 03

IPV4 and
Sub netting

MODULE – 06

Routing Basic

MODULE – 05

Routing and
Switching

MODULE – 04

Protocol

MODULE – 07

DHCP

MODULE – 08

NAT

MODULE – 09

SNMP (Simple Network
Management Protocol)

MODULE – 12

OSPF (Open Shortest Path
First)

MODULE – 11

Static Routing ipv4

MODULE – 10

Routing

MODULE – 13

HSRP (Hot Standby
Router Protocol)

MODULE – 14

VLANs and Trunks

MODULE – 15

Spanning Tree

MODULE – 18

IPV6

MODULE – 17

Quality Of Service

MODULE – 16

Wireless

MODULE – 19

Access Lists

MODULE – 20

Misc

MODULE – 21

Network
Management

MODULE – 23

Cloud Computing

MODULE – 22

Automation and
Programmability

EHP Course Module

MODULE – 01

Introduction To Ethical Hacking

MODULE – 02

Information Gathering Techniques

MODULE – 03

Introduction to Basic Networking

MODULE – 06

Vulnerability Analysis

MODULE – 05

Host and Device Vulnerability Assessment

MODULE – 04

Network Scanning and Enumeration

MODULE – 07

Malware Analysis and Defense

MODULE – 08

System Hacking

MODULE – 09

Network Packet Analysis and Sniffing

MODULE – 12

Bypassing Firewalls and Honeypots

MODULE – 11

Denial-of-Service (DoS)

MODULE – 10

Social Engineering and Human Manipulation Attack

MODULE – 13

Hacking Web Servers

MODULE – 14

Web Fundamentals

MODULE – 15

Web Application Security

MODULE – 18

Android Hacking

MODULE – 17

Wireless Network Security

MODULE – 16

SQL Injection and Injection Attacks

MODULE – 19

IOT Penetration Testing

MODULE – 20

Introduction to Cloud Computing

MODULE – 21

Cryptography and Data Protection

MODULE – 22

AI in Ethical Hacking

NPT Course Module

MODULE - 01

Introduction to Kali Linux

MODULE - 02

Network Penetration Testing Overview

MODULE - 03

Information Gathering

MODULE - 06

Windows Exploitation

MODULE - 05

Password Attacks

MODULE - 04

Vulnerability Scanning

MODULE - 07

Linux Exploitation

MODULE - 08

Lateral Movement

MODULE - 09

Active Directory Introduction and Attacks

MODULE - 11

Report Writing for Penetration Testers

MODULE - 10

Penetration Testing and CTF Exercises

Key Highlights

1. No Cost EMI & Educational Loan
2. Lifetime Access to Hackers Lab
3. 100% Placement Support
4. 3 Months Training
5. Classroom Training
6. Online Training
7. Certification & Live Projects

Why Choose

Diploma in Network Security at ICSS

Expert Instructors

Learn from experienced network security professionals with real-world exposure to enterprise networks, firewalls, intrusion detection, and security operations.

Practical and Hands-on Training

Build strong network defense skills through lab-based learning, real-time simulations, and hands-on projects covering routing & switching security, firewalls, VPNs, IDS/IPS, and network monitoring.

Flexible Learning Options

The program is designed to fit your schedule with online and in-person training options, making it ideal for students and working professionals seeking career growth in network security.

Global Recognition & Networking Opportunities

Gain job-ready skills aligned with industry requirements, opening doors to Network Security Engineer, SOC Analyst, NOC Analyst, and Infrastructure Security roles.

Eligibility Critaria

Technical

Individuals with a technical foundation can expand their expertise by enrolling in the Diploma in Network Security.

- Familiarity with computer networks, operating systems, and IT concepts is helpful
- No formal experience required, but basic networking knowledge is a plus
- Comfort with technology, logical thinking, and problem-solving skills
- Willingness to learn and explore network security concepts
- Students with interest in networking and infrastructure security are encouraged to apply

Non-Technical

Students from non-technical backgrounds can also pursue the Diploma in Network Security.

- A keen curiosity to understand network security and cyber threats
- No coding or technical skills required to begin
- Comfortable using computers and basic software applications
- An open mind and strong interest in cybersecurity
- Good communication skills to collaborate effectively with technical teams

Job Opportunities

1 Network Security Engineer

Designs, configures, and secures enterprise networks by managing firewalls, VPNs, IDS/IPS, and monitoring network traffic to prevent intrusions.

2 Network Engineer

Manages and maintains routing, switching, and network infrastructure, ensuring performance, availability, and secure connectivity.

3 SOC Analyst

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

Diploma in Network security

4 CNetwork Administrator

Handles day-to-day network operations, access control, and security policies to ensure secure and reliable network environments.

5 Network Defender / Administrator

Maintains network infrastructure and safeguards it from attacks and disruptions.

6 Cybersecurity Analyst

Provides security analysis, risk assessment, network hardening, and compliance support for enterprise networks.

Trainers Profile

- **Hands-on Teaching Approach:** Live practical labs covering routing & switching, firewall configuration, IDS/IPS, VPN setup, network monitoring, and incident response using real-world scenarios.

- **Years of Industry Experience:** Professionals with strong backgrounds in network security, SOC operations, infrastructure security, and network administration.

- **Corporate Training Expertise:** Proven experience delivering enterprise network security training aligned with industry standards and organizational security requirements.

- **Personalized Learning Support:** One-on-one guidance, regular feedback, and continuous support to ensure every student builds strong practical network security skills.

- **Career Guidance & Mentorship:** Support with resume building, interview preparation, certification guidance, and career direction in network security and infrastructure defense 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
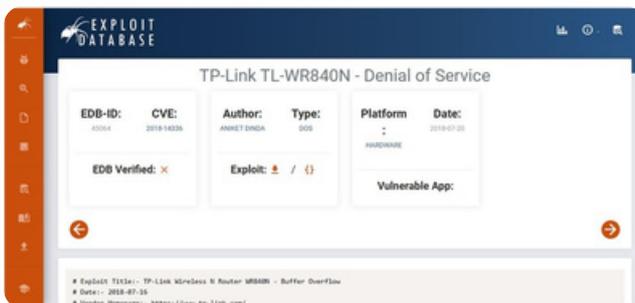
Aniket Dinda is our student who has found out about Zero-Day Vulnerability and has been published on Exploit DB:

https://www.exploit-db.com/exploits/45064
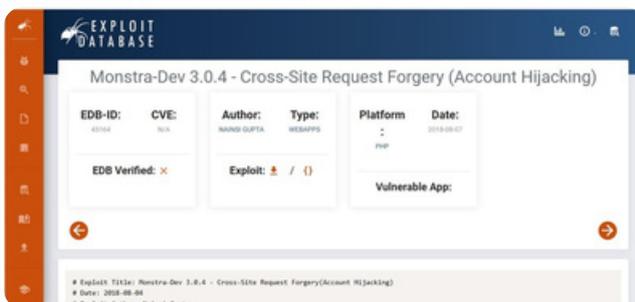
Nainsi Gupta is our student who has found out about Zero-Day Vulnerability and has been published on Exploit DB:

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: **ARMATR2CS 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: **ARMATR2CS 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
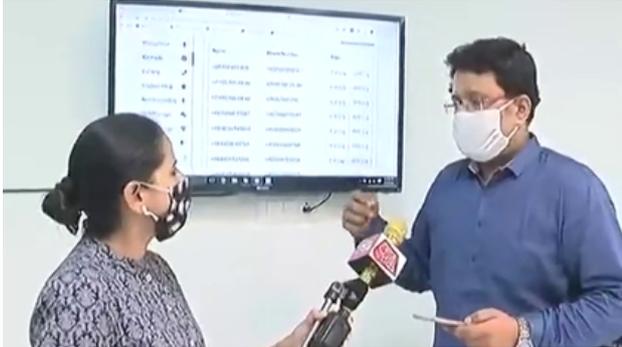
Seminar & Workshop

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

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

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Founder & CEO
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