CERTIFIED PENETRATION TESTER

Indian Cyber Security Solutions
in association with
Indian Institute of Cyber Security

Step into the world of penetration testing with our Certified Penetration Tester (CPT) course, offered by Indian Cyber Security Solutions and the Indian Institute of Cyber Security. This program delivers practical training in identifying, exploiting, and reporting real-world vulnerabilities across networks, systems, and web applications.

Master essential offensive security skills—reconnaissance, exploitation, privilege escalation, and post-exploitation—aligned with industry standards like OWASP and PTES. With guided labs and real-world case studies, you'll gain the confidence to perform complete penetration tests.

Strengthen your ethical hacking foundation and advance your career as an industry-ready certified penetration tester.
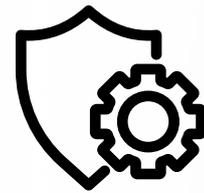
About the Program

Web Application Security

Network Security

System Exploitation

In this intensive training, we dive into the world of penetration testing to equip you with the practical skills and expertise required in modern cybersecurity. The program focuses on hands-on learning in **Network Security**, **Web Application Security**, and **System Exploitation**.

You'll explore real-world pentesting methodologies, reconnaissance techniques, exploitation strategies, and reporting practices used by professional penetration testers. Through guided labs and simulation-based challenges, you'll learn how to identify high-impact vulnerabilities, escalate privileges, perform post-exploitation tasks, and conduct complete penetration tests following standards like OWASP and PTES.

Whether you're a cybersecurity enthusiast or an aspiring ethical hacker ready to enter the offensive security domain, this program opens the door to a rewarding and skill-driven career as a certified penetration tester.

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 40,000/ (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 40,000/** (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
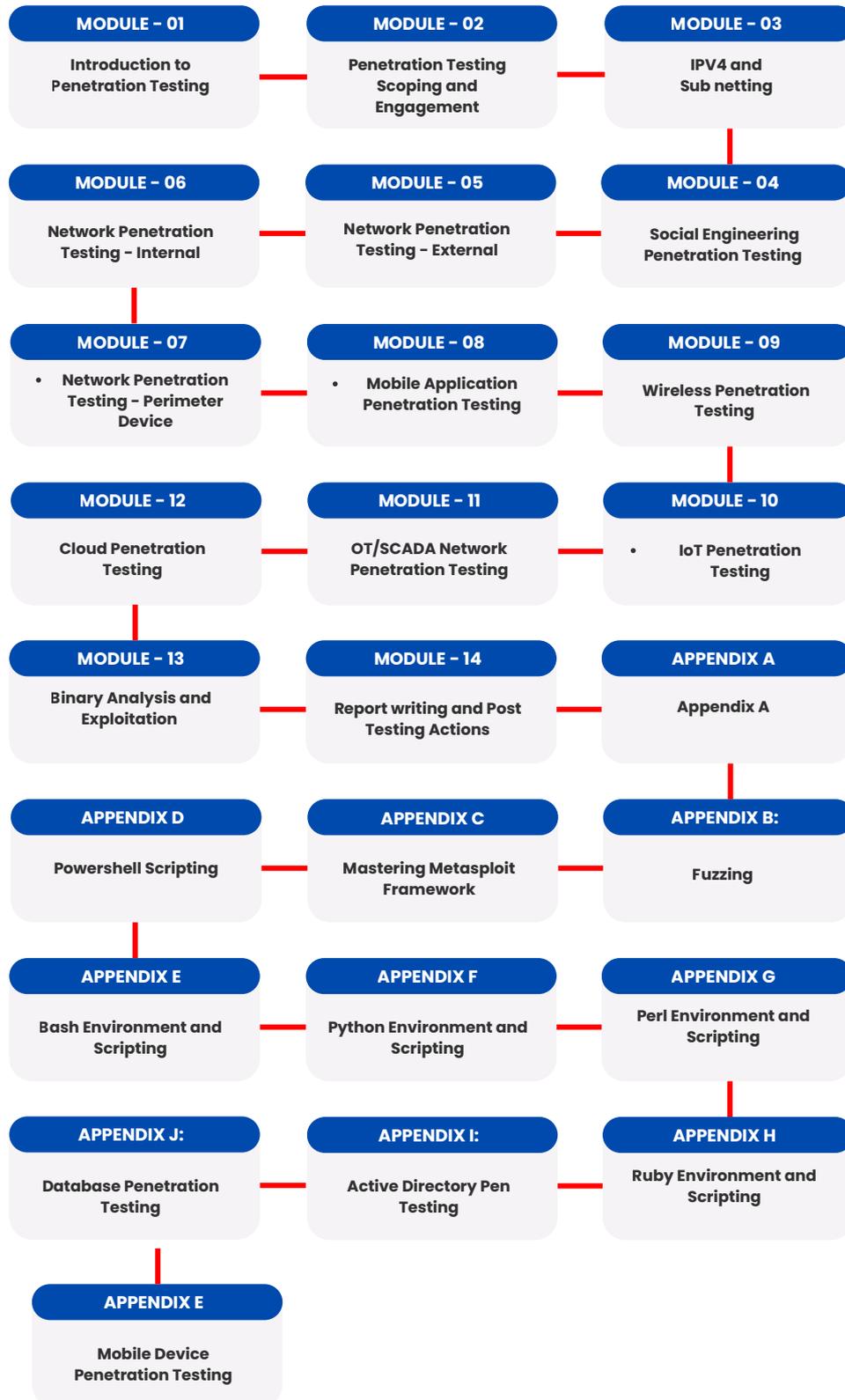
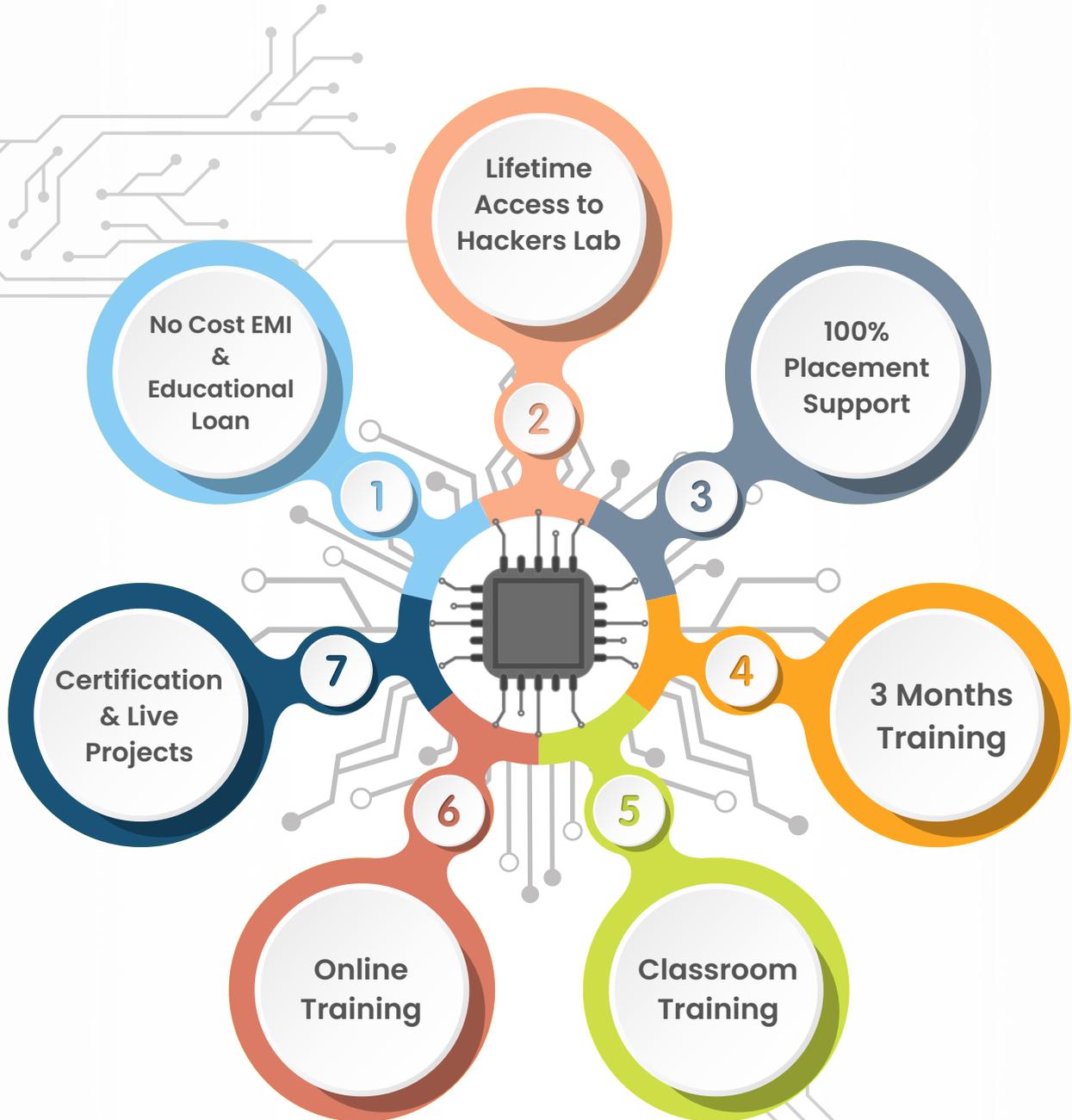**UNIVERSITY OF ENGINEERING & MANAGEMENT**
Good Education, Good Jobs

certified penetration tester

Course Module

MODULE – 01

Introduction to Penetration Testing

MODULE – 02

Penetration Testing Scoping and Engagement

MODULE – 03

IPV4 and Sub netting

MODULE – 06

Network Penetration Testing - Internal

MODULE – 05

Network Penetration Testing - External

MODULE – 04

Social Engineering Penetration Testing

MODULE – 07

• Network Penetration Testing - Perimeter Device

MODULE – 08

• Mobile Application Penetration Testing

MODULE – 09

Wireless Penetration Testing

MODULE – 12

Cloud Penetration Testing

MODULE – 11

OT/SCADA Network Penetration Testing

MODULE – 10

• IoT Penetration Testing

MODULE – 13

Binary Analysis and Exploitation

MODULE – 14

Report writing and Post Testing Actions

APPENDIX A

Appendix A

APPENDIX D

Powershell Scripting

APPENDIX C

Mastering Metasploit Framework

APPENDIX B:

Fuzzing

APPENDIX E

Bash Environment and Scripting

APPENDIX F

Python Environment and Scripting

APPENDIX G

Perl Environment and Scripting

APPENDIX J:

Database Penetration Testing

APPENDIX I:

Active Directory Pen Testing

APPENDIX H

Ruby Environment and Scripting

APPENDIX E

Mobile Device Penetration Testing

Key Highlights

Lifetime Access to Hackers Lab

No Cost EMI & Educational Loan

100% Placement Support

Certification & Live Projects

3 Months Training

Online Training

Classroom Training

1

2

3

4

5

6

7

Why Choose

Certified Penetration Tester at ICSS

Expert Instructors

Train under seasoned penetration testers with real-world experience in VAPT, red teaming, and offensive security.

Practical and Hands-on Training

Learn through guided labs, simulations, and exploitation exercises covering networks, systems, and web applications.

Flexible Learning Options

Choose from online or classroom training designed to suit students, professionals, and career switchers.

Strong Career Opportunities

Gain industry-ready skills that open doors to roles in penetration testing, ethical hacking, VAPT, and cybersecurity operations.

Eligibility Critaria

Technical

Individuals with a Technical foundation can expand their expertise by enrolling in certified penetration tester

- 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.

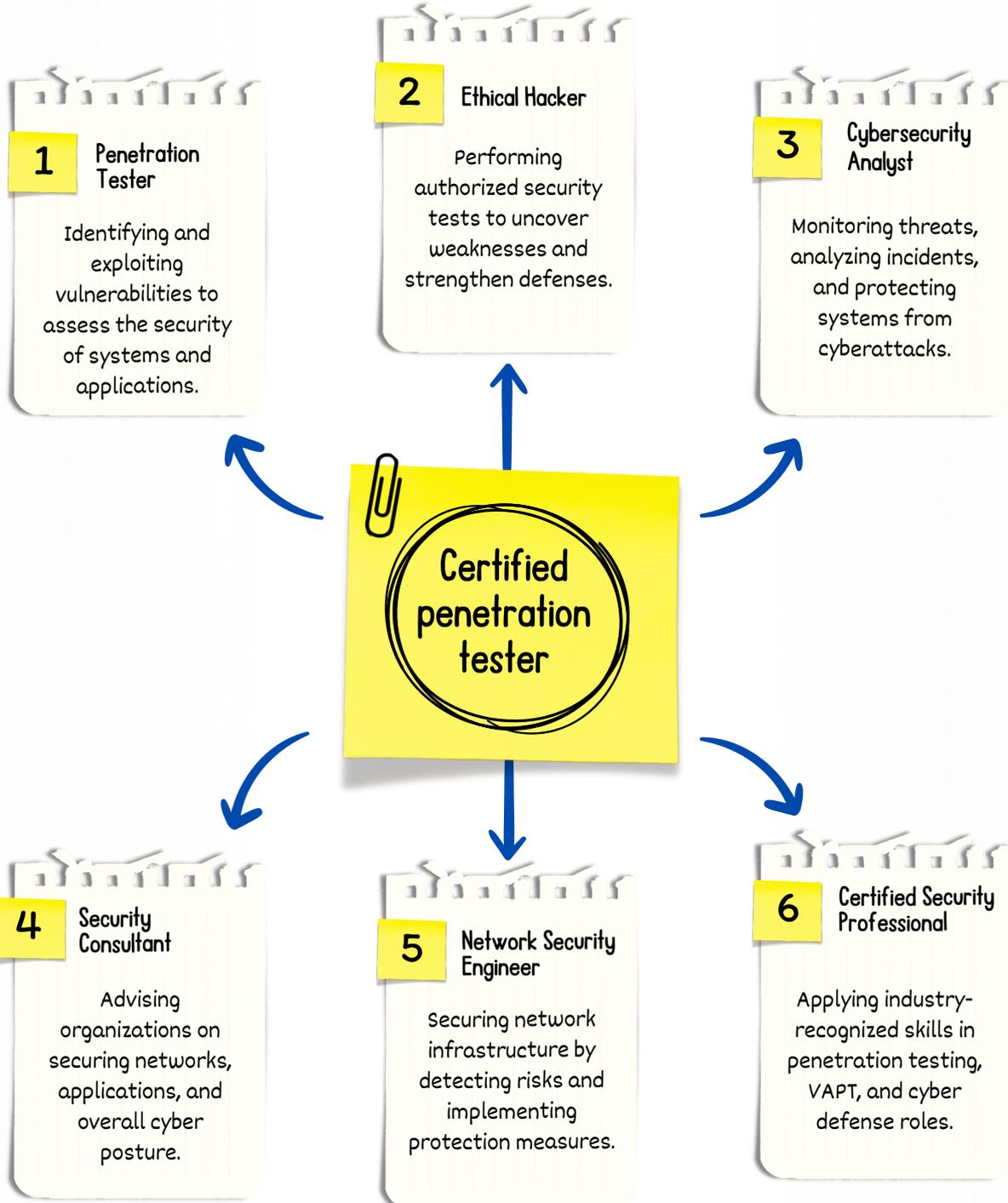- Individuals interested in cloud computing and Azure services are encouraged to join.

Non-Technical

Students from non-technical disciplines can pursue courses in Certified Penetration Tester (CPT) course

- 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 Penetration Tester

Identifying and exploiting vulnerabilities to assess the security of systems and applications.

2 Ethical Hacker

Performing authorized security tests to uncover weaknesses and strengthen defenses.

3 Cybersecurity Analyst

Monitoring threats, analyzing incidents, and protecting systems from cyberattacks.

Certified penetration tester

4 Security Consultant

Advising organizations on securing networks, applications, and overall cyber posture.

5 Network Security Engineer

Securing network infrastructure by detecting risks and implementing protection measures.

6 Certified Security Professional

Applying industry-recognized skills in penetration testing, VAPT, and cyber defense roles.

Trainers Profile

- **Penetration Testing & VAPT Experts:**
  Trainers with deep hands-on experience in network, web, and system penetration testing, red teaming, and vulnerability assessment.

- **Hands-On Teaching Approach:**
  Practical labs covering reconnaissance, exploitation, privilege escalation, post-exploitation, reporting, and real-world attack simulations.

- **Years of Industry Experience:**
  Professionals with strong backgrounds in offensive security, ethical hacking, incident response, and security consulting.

- **Corporate Training Expertise:**
  Experienced in delivering VAPT and security training to organizations across various industries, aligned with modern security standards.

- **Personalized Learning Support:**
  One-on-one guidance, feedback, and continuous support to ensure students master practical penetration testing skills.

- **Career Guidance & Mentorship:**
  Support with resumes, interviews, certification planning, and career direction for roles in ethical hacking, VAPT, and penetration testing.
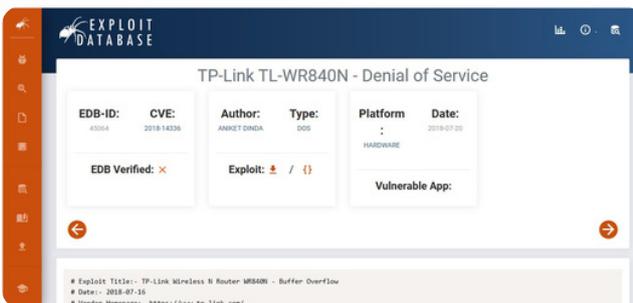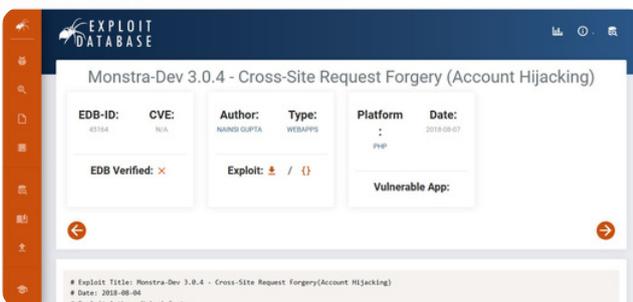
Student Achievements

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
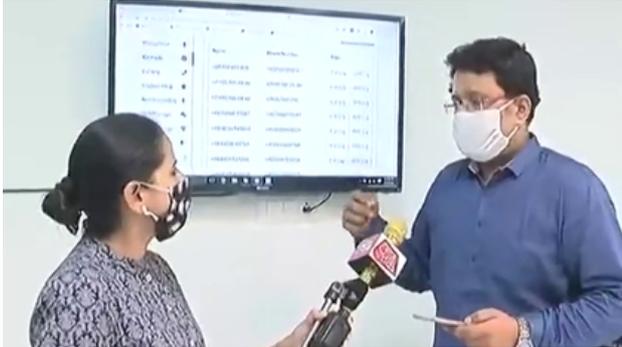CTC 2.4 LPA

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

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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