



# IOT

# IOT

PENETRATION  
TESTING  
TRAINING

Member of: **nasscom**





# Indian Cyber Security Solutions

in association with

## Indian Institute of Cyber Security



Unlock the future of connected technology with our IoT Penetration Testing Training, a specialized program jointly offered by Indian Cyber Security Solutions and the Indian Institute of Cyber Security. Gain practical skills in assessing and securing IoT devices, embedded systems, and smart environments. Learn industry-relevant techniques, tools, and methodologies to identify vulnerabilities across IoT ecosystems under the guidance of experienced cybersecurity professionals. Step into one of the fastest-growing fields in cybersecurity and enhance your expertise in securing tomorrow's smart world.



# About the Program



IoT Vulnerability Assessment



IoT Penetration Testing



Embedded Device Security



Wireless Protocol Analysis

In this specialized training, you will explore the rapidly growing domain of IoT security and gain the practical skills required to identify and exploit vulnerabilities in interconnected devices. Our program offers hands-on learning in IoT Vulnerability Assessment, IoT Penetration Testing, Embedded Device Security, and Wireless Protocol Analysis.

You'll work with real-world tools, methodologies, and IoT lab simulations to understand how attackers compromise smart devices – and how security professionals defend them. From firmware analysis and MQTT testing to smart home device exploitation, this program prepares you to secure modern IoT ecosystems end-to-end.

Whether you're a cybersecurity enthusiast looking to advance your skills or an aspiring IoT security professional, this training empowers you with the expertise needed to thrive in the world of connected technology.



# 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

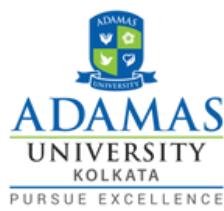
Class Room Training	Online LIVE Training
<p><b>Course Fee: INR 14,000/-</b> (One-time payment)</p> <p><b>Course Duration: 40 Hours</b> <b>3 Months Training</b></p> <p>2 Classes Per Week X 2 Hours Each Day</p> <p><b>Batch Timing</b></p> <p>Week End Classes   Week Days Classes</p>	<p><b>Course Fee: INR 14,000/-</b> (One-time payment)</p> <p><b>Course Duration: 40 Hours</b> <b>3 Months Training</b></p> <p>2 Classes Per Week X 2 Hours Each Day</p> <p><b>Batch Timing</b></p> <p>Week End Classes   Week Days Classes</p>



# University Training Partner's



Jadavpur University



ADAMAS  
UNIVERSITY  
KOLKATA  
PURSUE EXCELLENCE



IIT Guwahati



IIT Kharagpur



GNIIT



Lovely Professional  
University



Bangalore Institute  
of Technology



Bengal Institute of  
Technology and Managem



Anna University



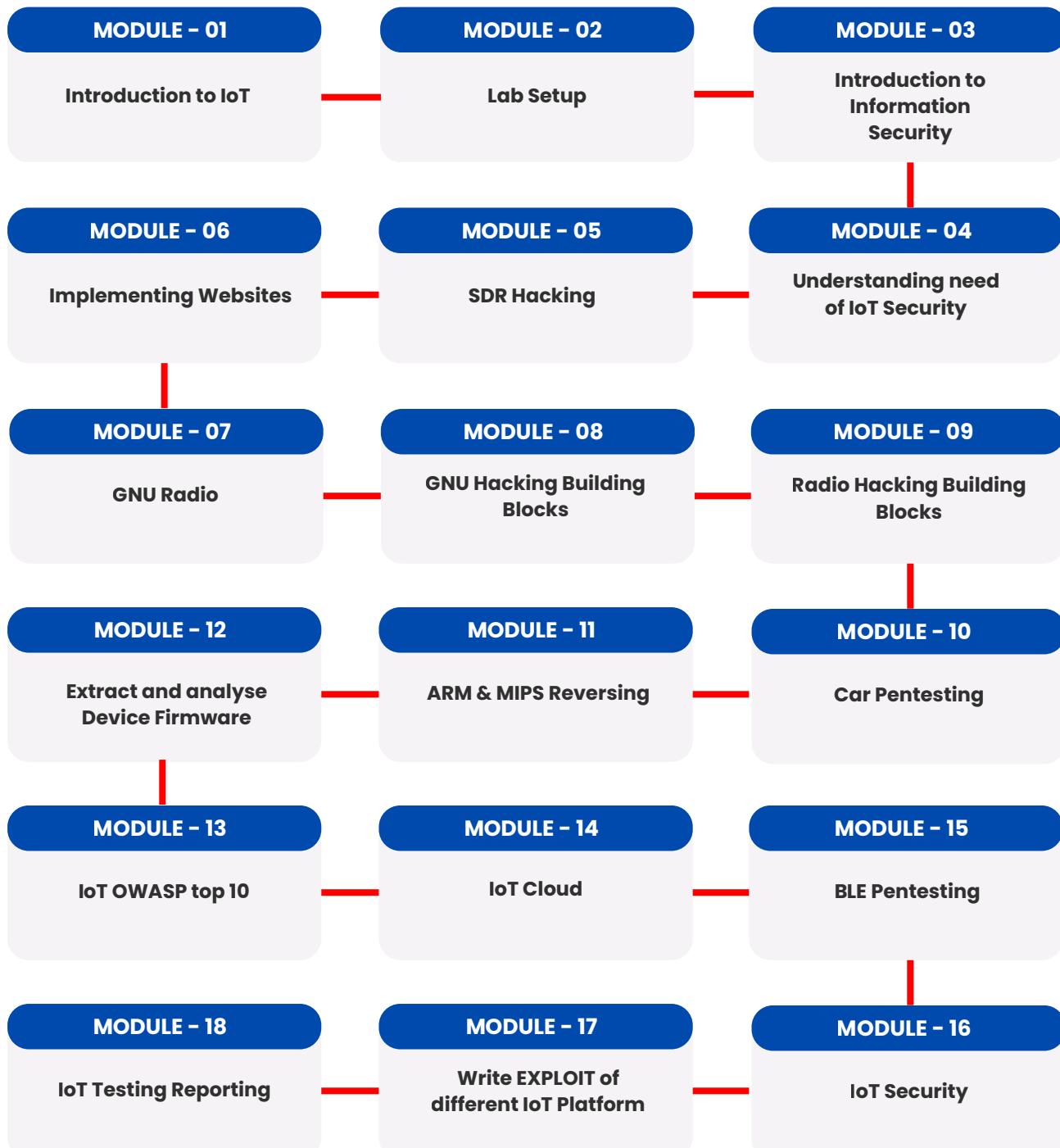
UNIVERSITY OF ENGINEERING & MANAGEMENT  
Good Education, Good Jobs





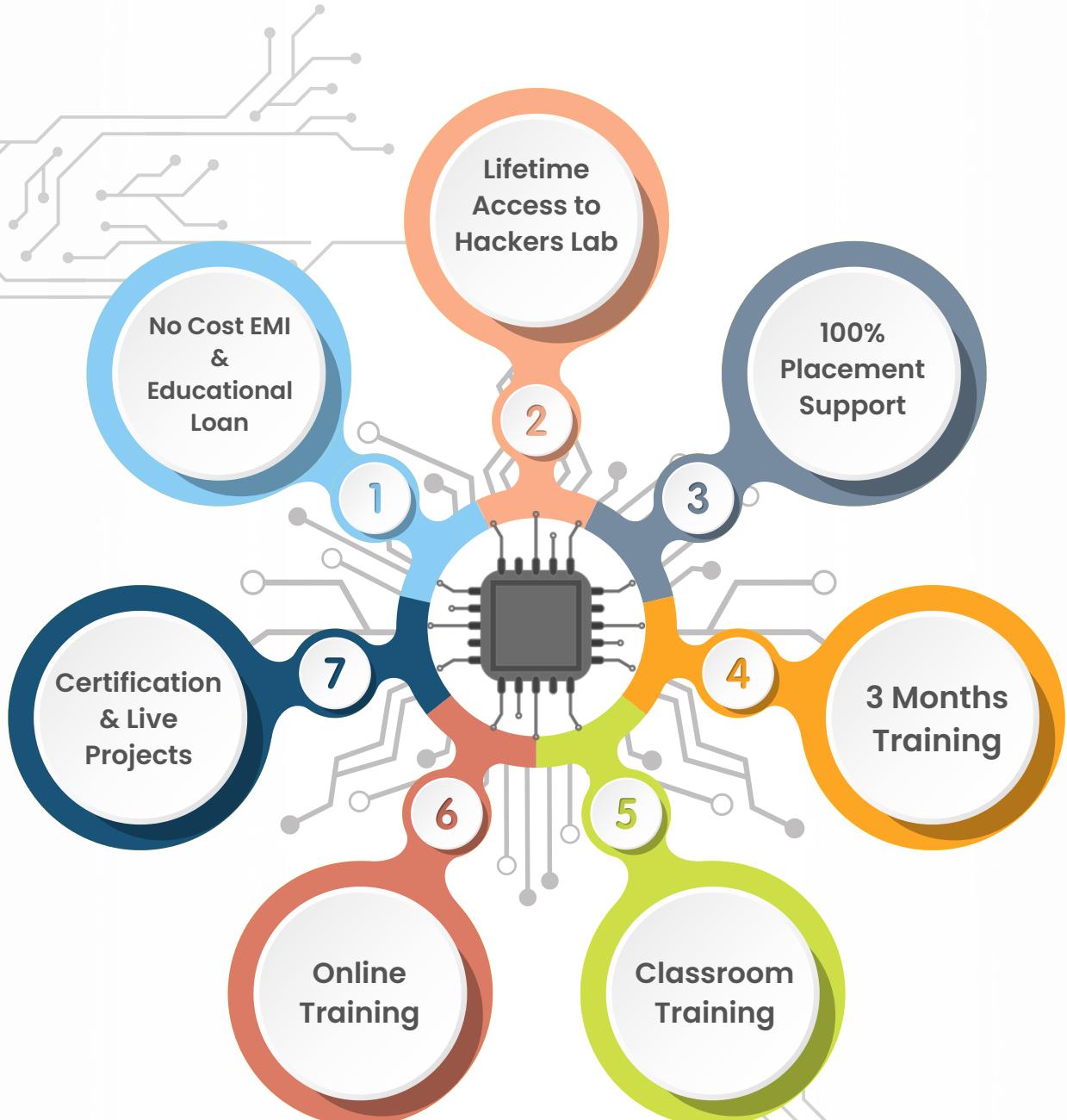
# IoT Penetration Testing Training

## Course Module





# Key Highlights





# Why Choose IoT Penetration Testing Training at ICSS



## Expert IoT Security Trainers

Learn from experienced professionals who specialize in embedded systems, wireless security, and real-world IoT penetration testing.

## Hands-On IoT Labs

Develop practical skills through guided labs involving real IoT devices, firmware analysis, wireless protocol testing, and device exploitation exercises.



## Flexible Learning Options

Access the training online or in-person based on your convenience, with full support, resources, and practical lab engagement in both formats.

## Industry-Recognized Certification

Earn a certification that validates your expertise in IoT penetration testing and strengthens your career opportunities in the rapidly growing IoT security domain.





# Eligibility Critaria

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## Technical

**Individuals with a Technical foundation can expand their expertise by enrolling in IoT Penetration Testing Training courses**

- 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.

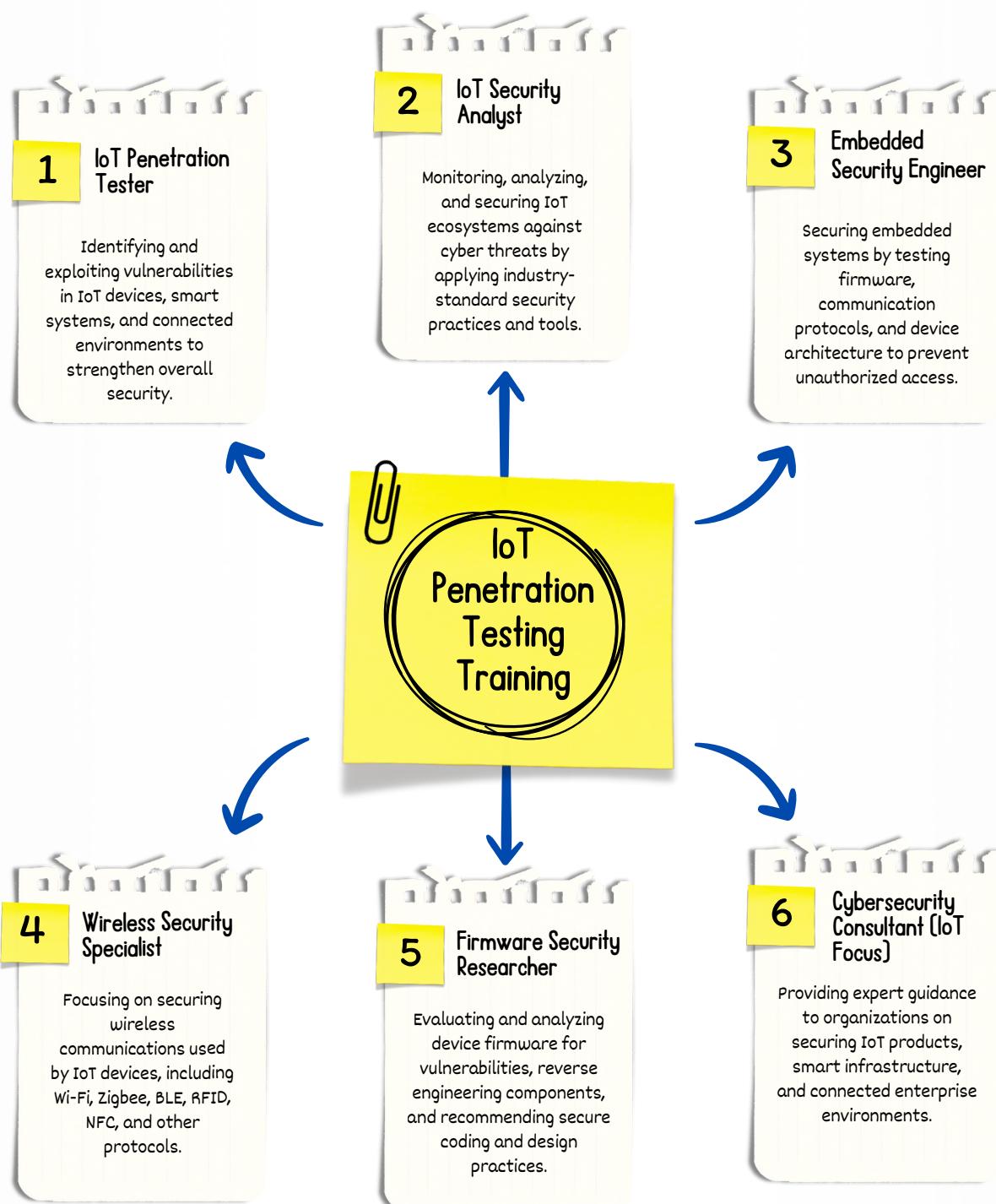
## Non-Technical

**Students from non-technical disciplines can pursue courses in IoT Penetration Testing Training**

- 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





# Trainers Profile

- IoT Security Specialists:** Our trainers are experts in IoT security, embedded systems, and device exploitation, ensuring deep technical understanding of modern IoT ecosystems.
- Hands-On Teaching Approach:** Real IoT devices, firmware analysis tasks, and practical exploitation labs are integrated into every session for immersive learning.
- Years of Industry Experience:** Trainers bring extensive experience from working in cybersecurity, embedded device security, and penetration testing roles across various industries.
- Cybersecurity Professionals:** With strong backgrounds in offensive security and digital forensics, trainers provide valuable insights into real-world IoT attack scenarios and defense techniques.
- Corporate Training Expertise:** We deliver tailored training programs designed to meet industry requirements, helping professionals and teams enhance their IoT security capabilities.
- Personalized Learning Support:** Students receive guidance, feedback, and one-on-one support to help them master complex IoT security concepts.
- Career Guidance & Mentorship:** Trainers assist with resume development, interview preparation, and career planning, helping students pursue roles in IoT security and penetration testing.



# Student Achievements

**HSD** securitydelta.nl

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Home > News > News > HSD Responsible Disclosure: Rabsun Sarkar Reported a Vulnerability in the Security Talent Website

**HSD Responsible Disclosure: Rabsun Sarkar Reported a Vulnerability in the Security Talent Website**

20 Jun 2018 | Author: HSD Foundation

HSD has a Responsible Disclosure Policy for its IT systems. Recently, Rabsun Sarkar (Certified Ethical Hacker from India) reported a vulnerability in the Security Talent website, showing the importance of having such a policy. It concerns Host Header Injection, which could cause the web application to behave in unexpected ways.

Our website developer Maalika Media quickly took action and solved the issue. We are very grateful for their expertise and



**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-security-talent-website>

**EXPLOIT DATABASE**

TP-Link TL-WR840N - Denial of Service

EDB-ID:	CVE:	Author:	Type:	Platform	Date:
45064	2018-14336	ANIKET DINDA	DOS	• HARDWARE	2018-07-20

EDB Verified: ✘ Exploit: ✘ / ✘ Vulnerable App:

# Exploit Title: TP-Link Wireless N Router MR840N - Buffer Overflow  
# Date: 2018-07-15  
# Vendor Homepage: https://www.tp-link.com/

**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>

**EXPLOIT DATABASE**

Monstra-Dev 3.0.4 - Cross-Site Request Forgery (Account Hijacking)

EDB-ID:	CVE:	Author:	Type:	Platform	Date:
45164	N/A	NAINSI GUPTA	WEB/APP	• PHP	2018-08-07

EDB Verified: ✘ Exploit: ✘ / ✘ Vulnerable App:

# Exploit Title: Monstra-Dev 3.0.4 - Cross-Site Request Forgery(Account Hijacking)  
# Date: 2018-08-04  
# Exploit Author: Nainsi Gupta

**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:  
Tecpix



**SUVHANKAR PROSAD KAR**

CCNA

[Check Offer Letter](#)

CTC  
3.6 LPA

Placed at:  
Tecpix



**NAGACHARAN UN**

Ethical Hacking

[Check Offer Letter](#)

CTC  
3.6 LPA

Placed at:  
BLACK BOX



**ARAPAN SAHA**

CCNA

[Check Offer Letter](#)

CTC  
4.5 LPA

Placed at:  
Tecpix



**KUSHAL MV**

WAPT

[Check Offer Letter](#)

CTC  
3.6 LPA

Placed at:  
Tecpix



**AYUSH RATHORE**

WAPT

[Check Offer Letter](#)

CTC  
3.6 LPA

Internship at:  
ARMATRICS Applications



**PRASANDEEP SUTRADHAR**

Diploma in Cyber Security

[Check Offer Letter](#)

CTC  
2.3 LPA

Internship at:  
exotel



**ANIKET KUMAR**

Diploma in Cyber Security

[Check Offer Letter](#)

CTC  
2.4 LPA

Internship at:  
ARMATRICS Applications



**TANHAZ HUSSAIN**

Ethical Hacking

[Check Offer Letter](#)

CTC  
1.8 LPA

Internship at:  
Scrut Automation



**SHIBASHISH SAHA**

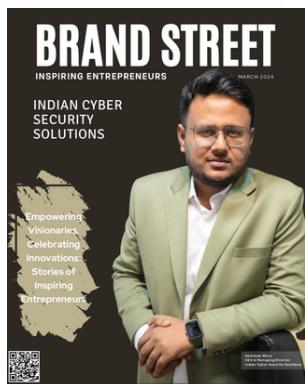
CEH

[Check Offer Letter](#)

CTC  
2.4 LPA

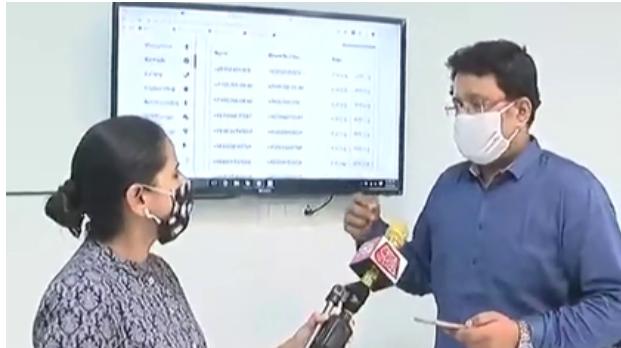


# Our Achievements





# 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**



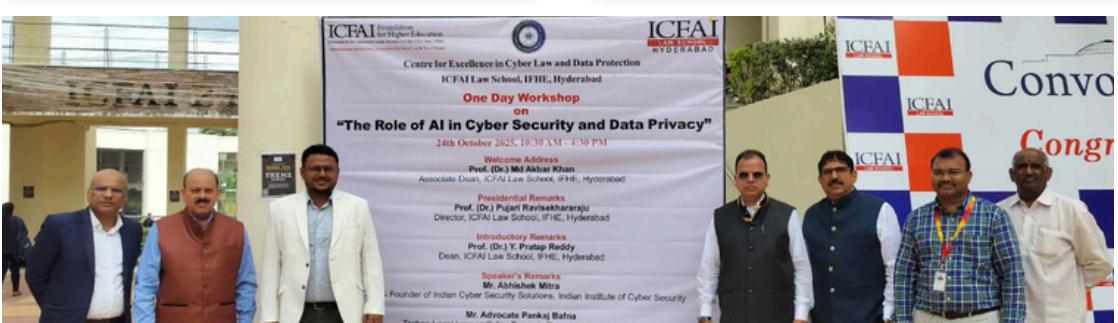
**Mr. Abhishek Mitra is invited to conduct a workshop IIT (ISM) Dhanbad.**



**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



**Deloitte.**

**BLACK BOX**



**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**

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



A WHOLLY OWNED SUBSIDIARY OF  
BHARAT FORGE



Madhyanchal Gramin Bank  
(Joint venture of Govt. of India, State Bank of India, & Govt. of MP)  
Head Office: Pundar Colony, TII, Bhopal (MP) - 462101



# Contact Us

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