INDIAN CYBER SECURITY SOLUTIONS
A unit of CYBERSECOPS PVT LTD

D | WPS

DIPLOMA IN WEB APPLICATION SECURITY

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

Indian Cyber Security Solutions

in association with

Indian Institute of Cyber Security

Kickstart your cybersecurity journey with our Diploma in Web Application Security, created by Indian Cyber Security Solutions in collaboration with the Indian Institute of Cyber Security. This program gives you practical, hands-on skills to identify vulnerabilities, perform web penetration testing, and secure modern applications against real-world threats.

Learn essential concepts like SQL injection, XSS, authentication flaws, access control issues, and API security using industry-standard tools and guidance from professionals. Build a strong foundation for roles in VAPT, SOC, and application security.

Start your path toward becoming a Web Application Security specialist today.

About the Program

Vulnerability Assessment

Web Application Security

Penetration Testing

In this specialized diploma program, we focus on the essential skills required to secure modern web applications against today's evolving cyber threats. You'll receive hands-on training in Web Application Security, Vulnerability Assessment, and Penetration Testing, gaining practical experience with industry-standard tools and real-world attack scenarios. The program covers key concepts such as authentication flaws, access control issues, injection vulnerabilities, API security, and secure coding practices. Whether you're starting your cybersecurity journey or looking to advance your expertise, this diploma equips you with the knowledge and practical capabilities needed to analyze, identify, and safeguard web applications with confidence.

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 Training
Course Fee: INR 37,300/- (One-time payment) **Course Duration: 3 Months Training** 2 Classes Per Week X 2 Hours Each Day **Batch Timing** Week End Classes | Week Days Classes	**Course Fee: INR 37,300/-** (One-time payment) **Course Duration: 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

C|EH Course Module

MODULE - 01
Introduction to Ethical Hacking

MODULE - 02
Foot Printing and Reconnaissance

MODULE - 03
Scanning Networks

MODULE - 04
Enumeration

MODULE - 05
Vulnerability Analysis

MODULE - 06
Android Malware

MODULE - 07
Malware Threats

MODULE - 08
Sniffing

MODULE - 09
Social Engineering

MODULE - 10
Denial-of-Service

MODULE - 11
Session Hijacking

MODULE - 12
Evading IDS, Firewalls, and Honeypots

MODULE - 13
Hacking Web Servers

MODULE - 14
Hacking Web Applications

MODULE - 15
SQL Injection

MODULE - 16
Hacking Wireless Networks

MODULE - 17
Hacking Mobile Platforms

MODULE - 18
IoT and OT Hacking

MODULE - 19
Cloud Computing

MODULE - 20
Cryptography

Certified Web Application Penetration Testing

Course Module:

MODULE - 01
Introduction

MODULE - 02
Lab Set Up

MODULE - 03
What is Vulnerability

MODULE - 04
SQL Injection

MODULE - 05
Cross Site Scripting (XSS)

MODULE - 06
Cross Site Request Forgery (CSRF)

MODULE - 07
Different Type of Injection

MODULE - 08
Security Misconfiguration

MODULE - 09
Session Hijacking

MODULE - 10
Webshell or Webserver Hacking

MODULE - 11
Burp Suit Manual Testing

MODULE - 12
Vulnerability Scanner Automation Testing

MODULE - 13
URL Redirect & Forward

MODULE - 14
Insecure Deserialization

MODULE - 15
Using Components with Known Vulnerabilities

MODULE - 16
Insufficient Logging & Monitoring

MODULE - 17
Broken Authentication

MODULE - 18
Broken Access Control

C|PP – CERTIFIED PYTHON PROGRAMMER

(Basic)

MODULE - 01
Introduction of Python

MODULE - 02
Installation of Python

MODULE - 03
Basics of Python

MODULE - 04
Python Strings

MODULE - 05
Python Lists

MODULE - 06
Python Tuples

MODULE - 07
Python Dictionary

MODULE - 08
Python Set

MODULE - 09
Python Control Statement

MODULE - 10
Python Functions

MODULE - 11
Python Files I / O

MODULE - 12
File Handling

MODULE - 13
Python OOPS Concept

MODULE - 14
Python Modules

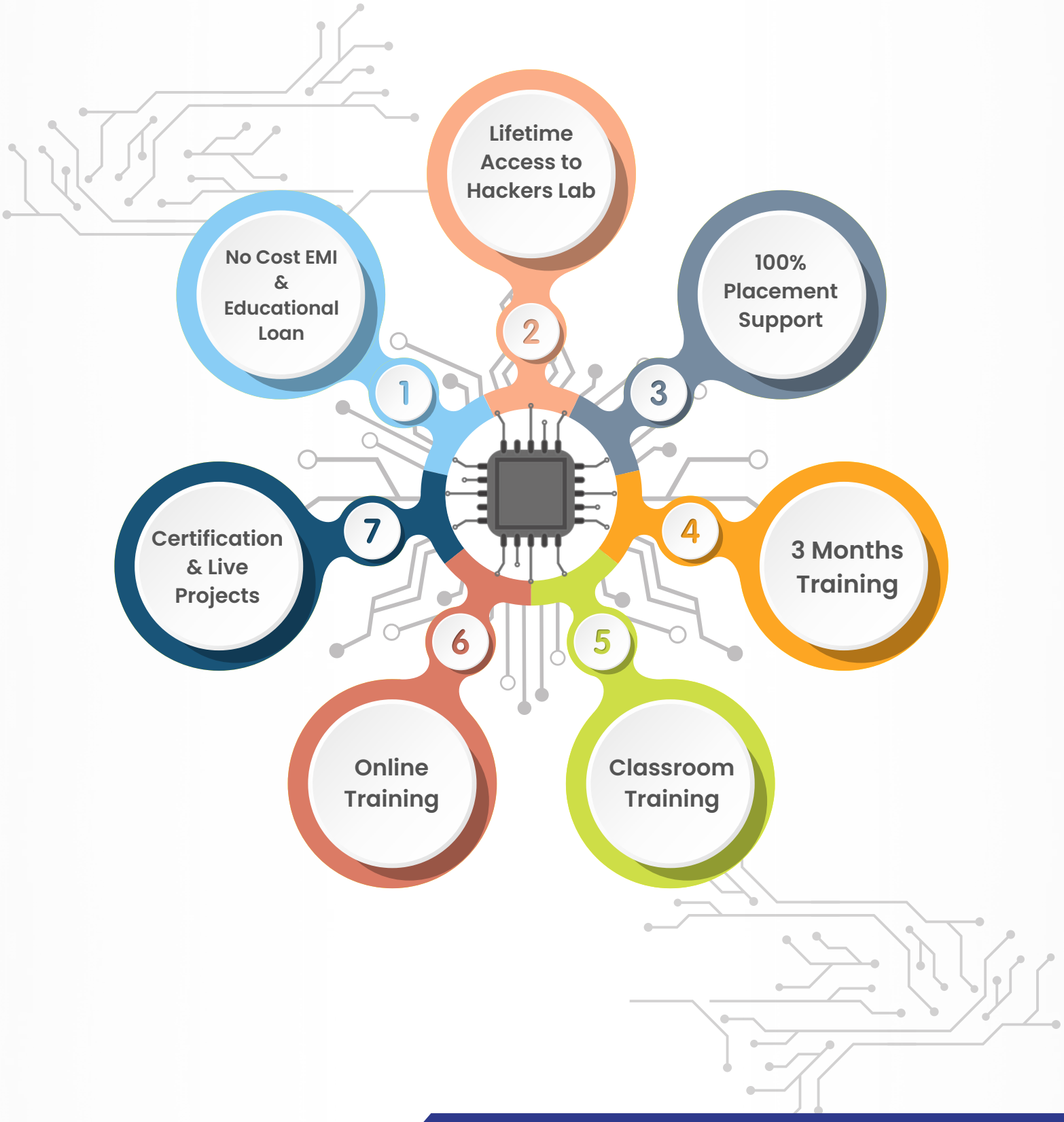
MODULE - 15
Python Exceptions

MODULE - 16
Python Date

MODULE - 17
Python Network Programming

Django Training Course Module

Key Highlights



Why Choose
D | WPS Training at ICSS

Experienced and Renowned Instructors

ICSS is home to a group of knowledgeable and well-respected lecturers that bring their real-world expertise and insider understanding of the business to the classroom.

Practical and hands-on Training

Our program understands the value of flexibility and convenience, offering both online and in-person options. We prioritize accommodating your busy lifestyle.

The program is affordable and flexible

Our program understands the value of flexibility and convenience, offering both online and in-person options. We prioritize accommodating your busy lifestyle.

Global Recognition & Networking Opportunities

Our program understands the value of flexibility and convenience, offering both online and in-person options. We prioritize accommodating your busy lifestyle.

Eligibility Critaria

Technical

Individuals with a technical background can strengthen their cybersecurity career by mastering core concepts of web security through the Diploma in Web Application Security.

- Graduates in Science or Engineering (B.Tech/B.Sc in CSE, IT, ECE, or similar fields) are eligible.
- Can begin with foundational programming skills (Python recommended).
- Option to pursue advanced certifications in Ethical Hacking or Web Application Penetration Testing.

Non-Technical

Students from non-technical backgrounds can also enroll in the Diploma in Web Application Security and gradually build the skills needed to secure modern web applications.

- Arts, commerce, and other non-science graduates are eligible.
- Start with the basics of networking and cybersecurity fundamentals.
- Progress toward hands-on modules in vulnerability assessment and web penetration testing.

Job Opportunities

Diploma in Web Application Security

1 Web Application Penetration Tester

Identifying and exploiting vulnerabilities in web applications to ensure robust security and prevent real-world cyberattacks.

2 Application Security Analyst

Protecting software and web platforms by assessing risks, reviewing code, and implementing secure development practices.

3 Vulnerability Assessment Specialist

Conducting systematic scans and assessments to detect weaknesses in web systems and recommend remediation strategies.

4 Security Consultant

Providing expert guidance to organizations by designing secure architectures, evaluating risks, and strengthening web security frameworks.

5 SOC Analyst (Level 1/2)

Monitoring security events, analyzing web-based threats, and responding to incidents that target applications and APIs.

6 Secure Code Reviewer

Evaluating application source code to identify insecure patterns, enforce best practices, and enhance overall security posture.

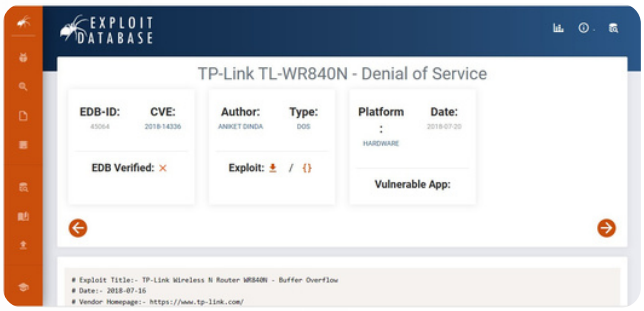
Trainers Profile

- At Indian Cyber Security Solutions (ICSS), our Web Application Security trainers combine strong academic backgrounds with real-world industry expertise to deliver impactful and practical cybersecurity education.
- Our trainers bring hands-on experience in core areas such as Web Application Penetration Testing, Vulnerability Assessment, Secure Coding Practices, API Security, and OWASP Top 10 methodologies.
- The team includes certified ethical hackers, penetration testers, and application security engineers with proven experience working on enterprise-level security assessments across industries like finance, healthcare, e-commerce, and cloud services.
- They stay updated with emerging vulnerabilities, modern attack vectors, and evolving security standards, ensuring students learn current, industry-relevant techniques through real-world case studies and practical sessions.
- ICSS emphasizes a hands-on learning approach—our trainers guide students through live demonstrations, lab-based exercises, capture-the-flag challenges, and real-time exploitation scenarios to build job-ready skills.
- With personalized mentorship, progress reviews, and practical projects, our trainers help learners gain confidence in identifying vulnerabilities and securing web applications effectively.
- The goal is to prepare students for successful careers in cybersecurity roles such as Web Application Penetration Tester, Application Security Analyst, VAPT Engineer, and SOC Analyst.

Student Achievements

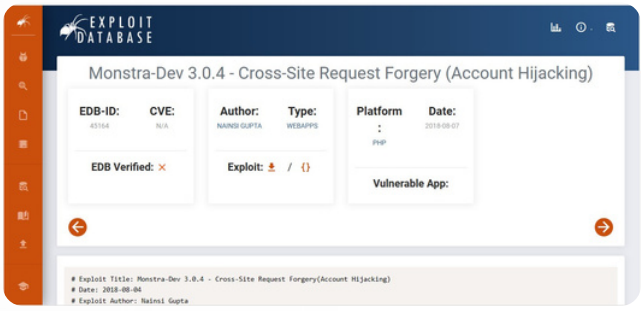
Rabsun Sarkar one of our students has found zero-day vulnerabilities in Google and in the Security Talent Website and also reported the same:

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

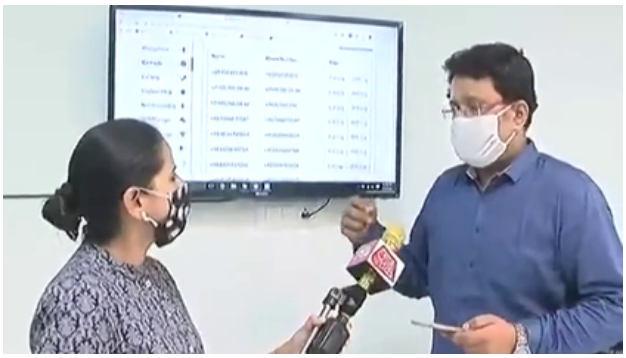
SHIBASHISH SAHA

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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