



C | ESRP

**EMBEDDED
SYSTEM &
ROBOTICS**

Member of: **nasscom**



PROMOTING DATA PROTECTION



Indian Chamber of Commerce



Indian Cyber Security Solutions

in association with

Indian Institute of Cyber Security



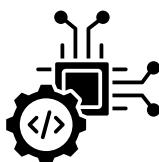
Step into the world of innovation with our Embedded System & Robotics Training Program, crafted through the collaboration of Indian Cyber Security Solutions and the Indian Institute of Cyber Security. This program equips you with practical, hands-on expertise in microcontrollers, electronic circuit design, sensors, actuators, automation, and robotic systems.

Gain real-time experience in building embedded applications, programming hardware, integrating IoT devices, and developing intelligent robotic solutions under the guidance of industry experts.

Kickstart your journey toward becoming a skilled embedded system engineer or robotics professional—shape your future in automation and smart technologies today!



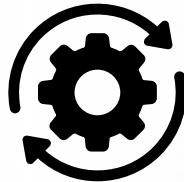
About the Program



Embedded Circuit Design



Microcontroller Programming



Robotics & Automation

In this dynamic training, we explore a wide range of essential concepts designed to equip you with the practical skills and understanding required in the field of embedded systems and robotics. Our program offers hands-on training in **Microcontroller Programming**, **Embedded Circuit Design**, and **Robotics & Automation**.

You'll work with real hardware, learn sensor integration, motor control, IoT development, and build functional robotic systems through real-world simulations and projects. Whether you're an electronics enthusiast or an aspiring robotics engineer, this program prepares you to design, build, and deploy smart embedded solutions.



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

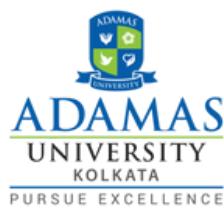
Class Room Training	Online LIVE Training
<p>Course Fee: INR 13,000/ (One-time payment)</p> <p>Course Duration: 40Hours 3 Months Training</p> <p>2 Classes Per Week X 2 Hours Each Day</p> <p>Batch Timing</p> <p>Week End Classes Week Days Classes</p>	<p>Course Fee: INR 13,000/ (One-time payment)</p> <p>Course Duration: 40Hours 3 Months Training</p> <p>2 Classes Per Week X 2 Hours Each Day</p> <p>Batch Timing</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



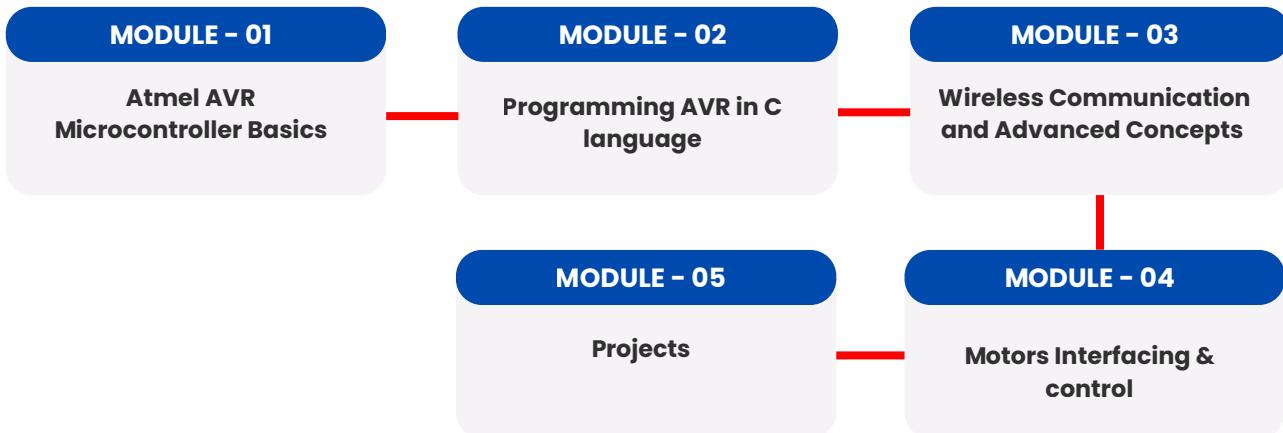
UNIVERSITY OF ENGINEERING & MANAGEMENT
Good Education, Good Jobs





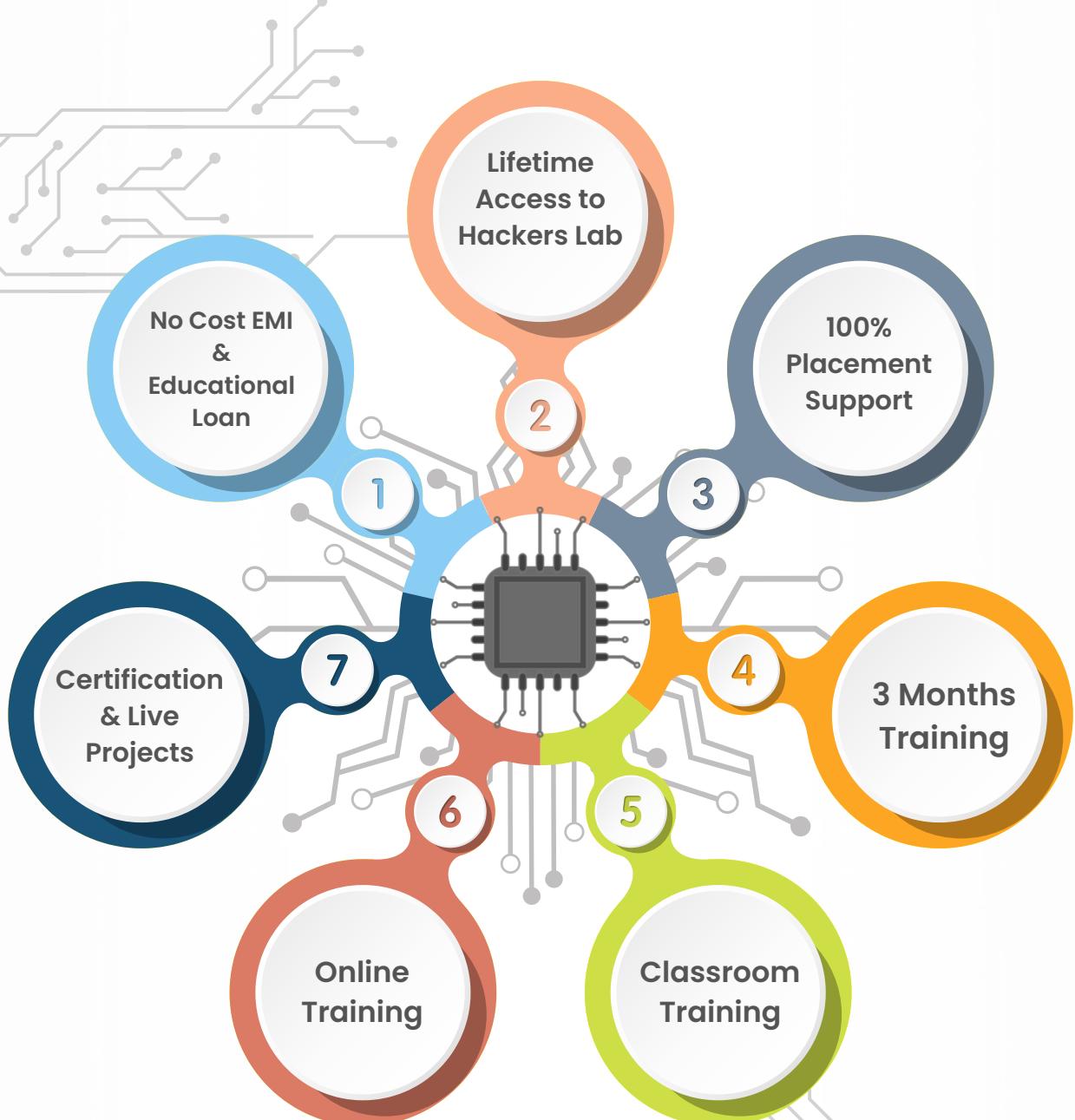
Embedded System & Robotics

Training- Course Module





Key Highlights





Why Choose

Embedded System & Robotics at ICSS

Expert Instructors



Learn from industry professionals with real-world experience in embedded systems, electronics, robotics, IoT, and automation.

Practical and Hands-on Training

Master embedded systems through lab-based learning, real-time hardware projects, microcontroller programming, sensor integration, and robotics development.



Flexible Learning Options



Choose between online and classroom training designed to fit your schedule—ideal for both students and working professionals.

Global Recognition & Networking Opportunities

Gain industry-ready skills that open doors to careers in embedded engineering, robotics development, IoT solutions, and automation technologies.





Eligibility Critaria

Technical

Individuals with a Technical foundation can expand their expertise by enrolling in Embedded System & Robotics

- 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 Embedded System & Robotics

- 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

Embedded System Engineer

Designing and developing microcontroller-based systems, circuits, and real-time embedded applications.

2

Robotics Engineer

Creating and programming robotic systems, sensors, actuators, and automation-based solutions.

3

IoT Developer

Building smart IoT devices by integrating sensors, networking modules, and cloud-connected embedded hardware.

4

Embedded Hardware Designer

Designing PCB layouts, electronic circuits, and hardware components for embedded and automation projects.

5

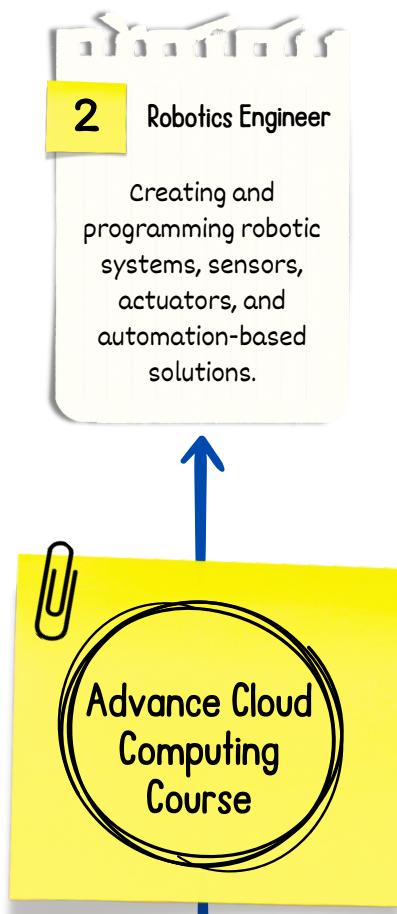
Automation & Control Engineer

Managing industrial automation systems, motor controls, PLC-based operations, and intelligent machines.

6

Firmware Developer

Writing low-level code, developing embedded firmware, and optimizing hardware-software interactions.





Trainers Profile

- **Experts Trainer:**

Trainers with deep experience in microcontrollers, electronic circuits, robotics, automation, IoT development, and real-time embedded applications.

- **Hands-On Teaching Approach:**

Live practical labs covering Arduino, Raspberry Pi, sensors, actuators, motor control, IoT modules, PCB design, and real-world robotics projects.

- **Years of Industry Experience:**

Professionals with strong backgrounds in embedded engineering, robotics design, industrial automation, and smart device development.

- **Corporate Training Expertise:**

Experience delivering embedded and IoT training to organizations, aligned with industry standards and modern automation technologies.

- **Personalized Learning Support:**

One-on-one guidance, project feedback, and continuous support to ensure every student builds strong hands-on technical skills.

- **Career Guidance & Mentorship:**

Support with resumes, interviews, certification paths, and career direction in embedded systems, IoT, robotics, and automation roles.



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

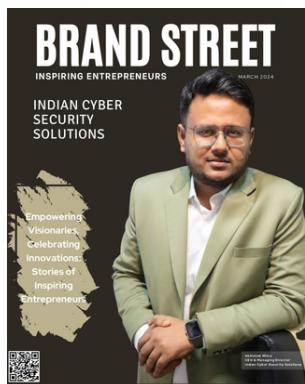
CEH

[Check Offer Letter](#)

CTC
2.4 LPA

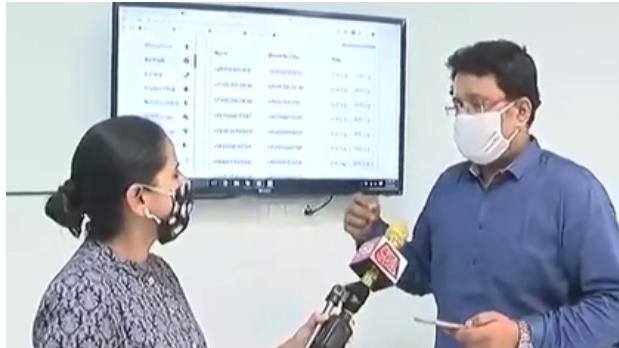


Our Achievements





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

Aabhishek Mitra
Founder & CEO
98313 18312



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Corporate Office
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Kamanahalli, Bangalore
560084



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