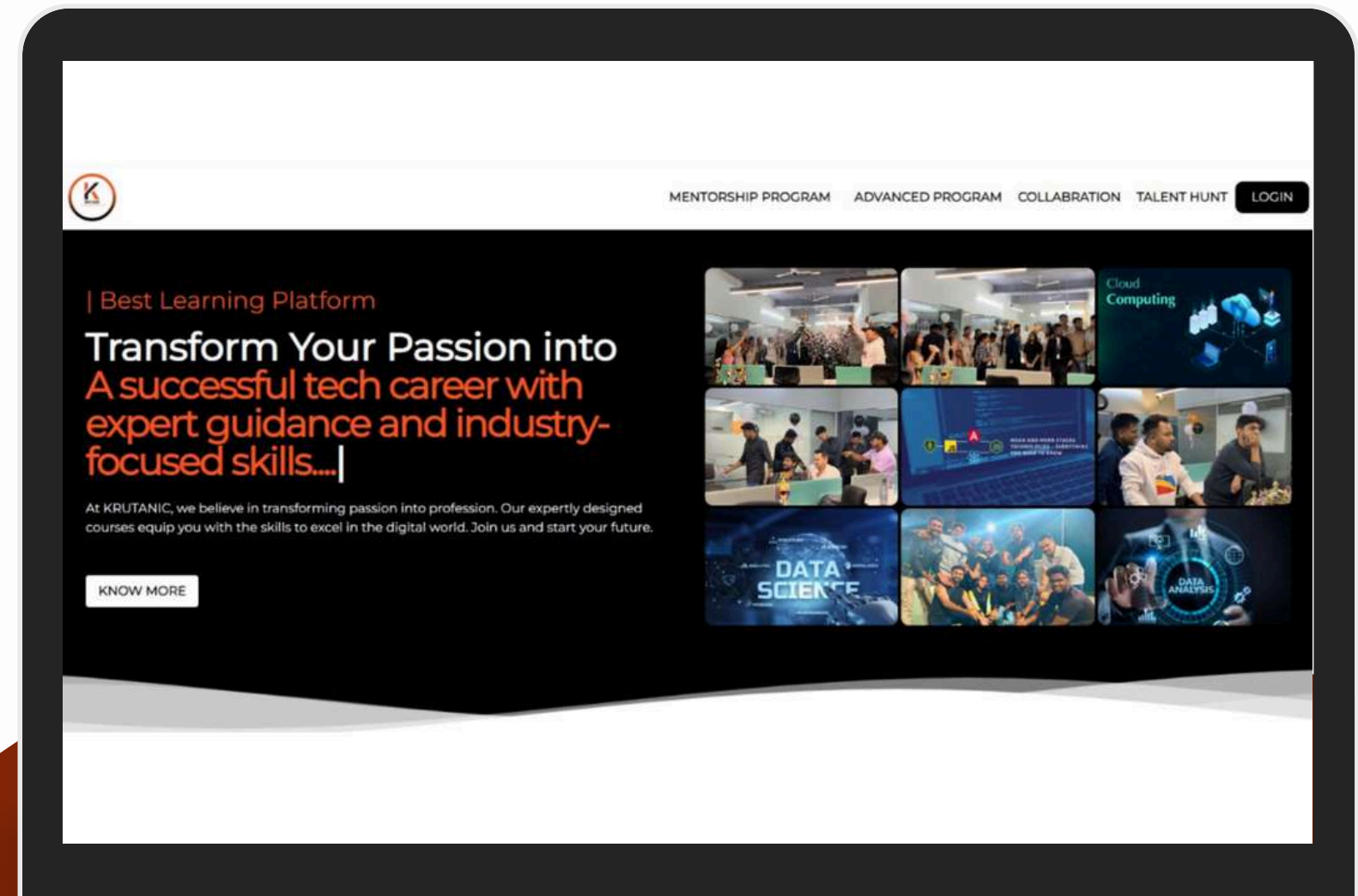




[www.krutanic.com](http://www.krutanic.com)



[support@krutanic.com](mailto:support@krutanic.com)



A photograph of three students working on a project. In the foreground, a student in a green turtleneck is focused on connecting black wires to a small electronic device. Behind them, a student in a yellow sweater is also working, and further back, a student in a red plaid shirt is visible. They are all seated at a white table covered with various electronic components, wires, and tools. The background is softly blurred, emphasizing the students' hands and the project.

# **TRAINING AND INTERNSHIP PROGRAM**



# About us

"Krutanic Solutions is at the forefront of transforming education through cutting-edge technology. Our comprehensive platform empowers learners with personalized learning experiences, collaborative tools, and real-time analytics. With adaptive assessments and interactive content creation, we enhance student engagement and achievement. Join us in revolutionizing education for the digital age, driving positive outcomes and preparing learners for success in tomorrow's world. "





# CYBER SECURITY



# Why Cyber Security?

- ☁ **Cybersecurity is a fast-growing field as cyber threats increase, creating a high demand for skilled professionals.**
- ☁ **Cybersecurity professionals, including ethical hackers and security analysts, are highly paid due to the importance of protecting data**
- ☁ **Roles range from penetration testing and network security to threat analysis, providing varied career paths in cybersecurity.**
- ☁ **With rising cyber threats globally, cybersecurity experts are sought after worldwide, offering opportunities for international work and remote jobs.**
- ☁ **Cybersecurity professionals are at the cutting edge of technology, working on solutions to protect critical data and systems.**
- ☁ **As cyber threats grow, the need for cybersecurity professionals will continue to rise, ensuring job security and career growth.**

# 1<sup>ST</sup> MONTH

## LIVE SESSIONS

Live sessions with industrial experts having experience above 10 years in the industry.

## RECORDINGS

Recordings of all live sessions available with lifelong access in our LMS portal.

## INDUSTRY RELATED

Industry related curriculum designed by the working professionals in the top hierarchy.





# <sup>ND</sup> 2 MONTH

## REAL TIME PROJECTS

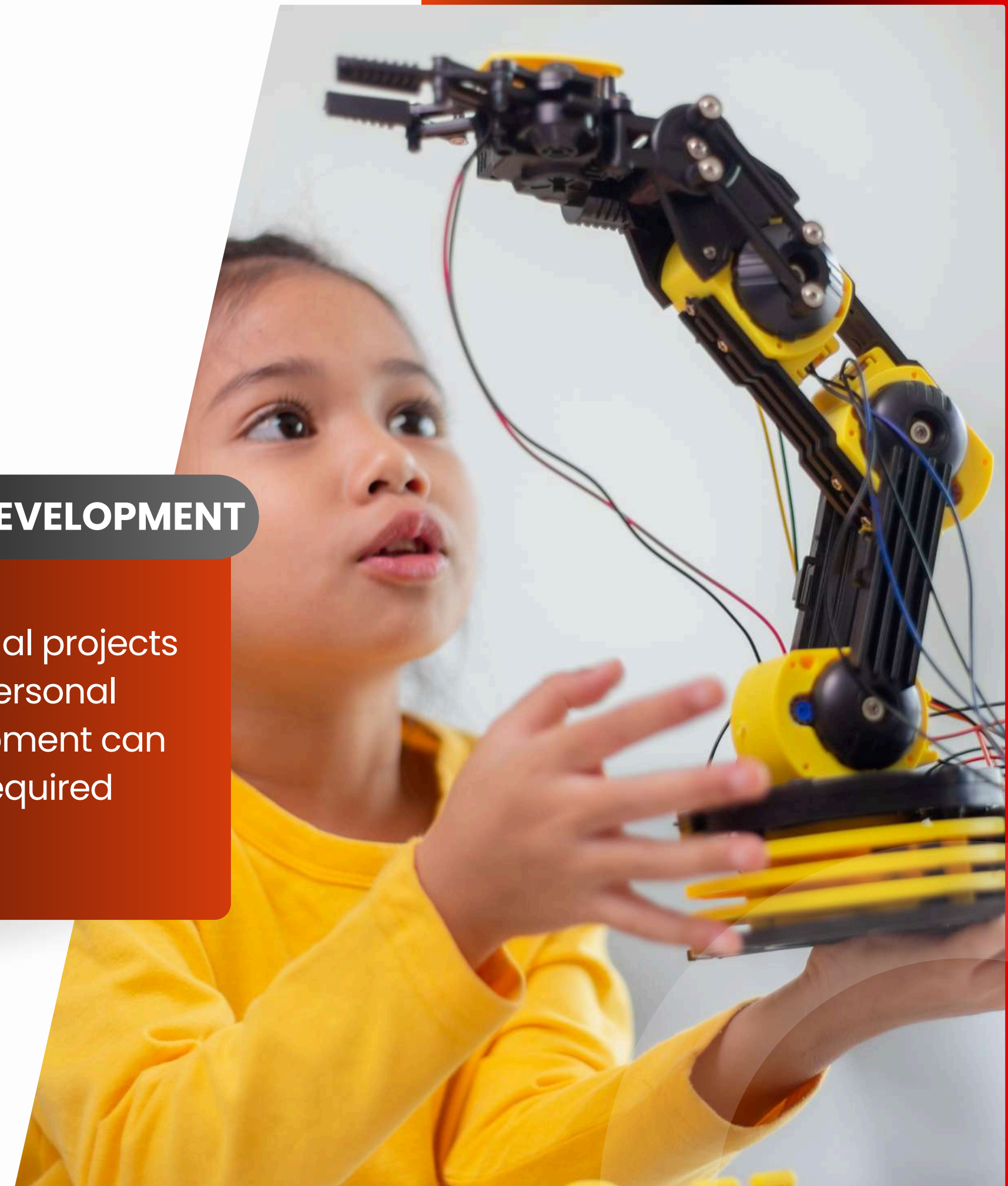
Two real time industrial projects One minor project and One major project

## ASSISTANCE

All mentors will be assigned as project leads and guide the intern till the completion of the project

## PERSONAL DEVELOPMENT

Additional projects for personal development can be required



# Curriculum included

## MODULE 1

Introduction to Cybersecurity  
Understanding the fundamentals of cybersecurity  
Overview of common cyber threats and attack vectors  
Importance of cybersecurity in modern society  
Introduction to cybersecurity frameworks and standards (e.g., NIST, ISO/IEC).

## MODULE 2

Network Security Basics of network security architecture  
Secure network design principles  
Introduction to firewalls, IDS/IPS, and VPNs  
Network protocols and their vulnerabilities  
Hands-on exercises on configuring basic network security measures

## MODULE 3

Cryptography Introduction to cryptography and its role in cybersecurity  
Types of cryptographic algorithms (symmetric, asymmetric)  
Cryptographic protocols (SSL/TLS, SSH)  
Key management and digital signatures  
Practical exercises on encryption and decryption techniques



# Curriculum included

## MODULE 4

Web Security Common web security vulnerabilities (e.g., OWASP Top 10) Cross-Site Scripting (XSS), SQL Injection, CSRF Web application firewalls (WAF) Secure coding practices and principles Hands-on labs on identifying and mitigating web vulnerabilities

## MODULE 5

Operating System Security  
Securing operating systems (Windows, Linux, macOS) User authentication and access control mechanisms Patch management and software updates Host-based intrusion detection/prevention systems Practical exercises on hardening operating systems  
Curriculum included

## MODULE 6

Cyber Threat Intelligence  
Understanding cyber threat intelligence Threat intelligence sources and feeds Threat hunting methodologies Introduction to SIEM (Security Information and Event Management) systems Hands-on labs on analyzing and responding to security incidents

# Curriculum included

## MODULE 7

Cloud Security Basics of cloud computing and its security challenges Shared responsibility model Identity and access management (IAM) in the cloud Securing cloud infrastructure and services Practical exercises on configuring cloud security controls Curriculum included

## MODULE 8

Incident Response and Disaster Recovery Incident response planning and preparedness Incident detection, analysis, and containment Forensic investigation techniques Business continuity planning and disaster recovery strategies Hands-on simulations of incident response scenarios

## MODULE 9

Legal and Ethical Aspects of Cybersecurity Cybersecurity laws, regulations and compliance requirements Ethical considerations in cybersecurity Privacy issues and data protection regulations Cybersecurity ethics case studies Discussion and debate on current legal and ethical dilemmas



# Discover why this Cyber Security course is essential for your learning journey



**Google Ratings**

**4.8 / 5**



**Mentees Trained**

**15k +**



**Hiring Partners**

**200+**



**Job Openings**

**45000+**



**Average Salary**

**10+ LPA**



**Global Size**

**USD 1.5 Trillion**

# Certifications

**01**

**Training Completion  
Certificate Validates the  
skills which acquired**

**02**

**Internship Completion  
certificate certified by  
" WIPRO dice Id "**

**03**

**LOR (Letter of  
recommendation)**

**04**

**Certificate of excellence**

**05**

**Placement Assistance**



# Our process

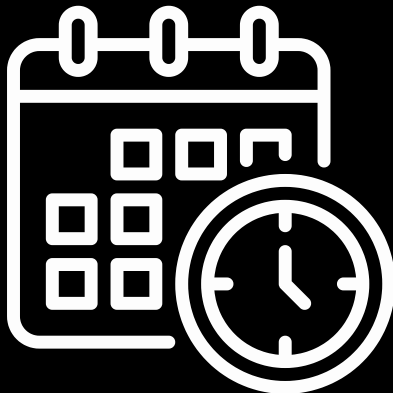
Quick guide

①



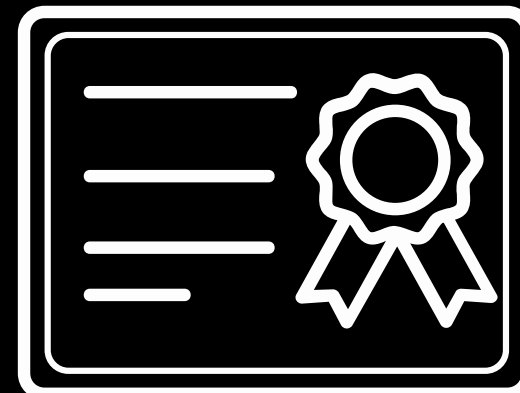
**Register with us**

②



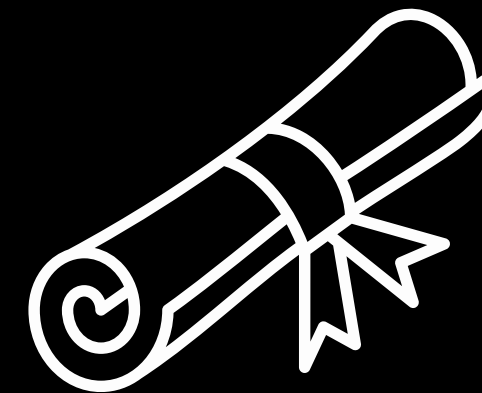
**Schedule your  
classes**

③



**Certifications**

④



**Placement  
assistance**

# Program ratings



## STUDENTS AVERAGE RATINGS



4.85 / 5



# Companies where our alumni thrive





# REACH OUT US



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