

ARALIS

LEARN WITH ARALIS



Top Faculty

Flexible Learning

Paid Internships for Top Performers

Strong Industry Partnerships



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ABOUT US

Aralis primarily focuses on practical, real-world skill development through its Education and Training vertical. We offer a blend of theoretical knowledge and hands-on experience to prepare individuals for career success in a dynamic job market.

05 KEY FEATURES

- **Certification Courses:** Earn industry-recognized certificates.
- **Hands-On Training:** Real-world applications and interactive modules.
- **Expert Instructors:** Learn from alumni of IITs and IIMs.
- **Paid Internships:** Top 10% of students receive paid internship opportunities.
- **Career Readiness Support:** Guidance to become job-ready.

WHY CHOOSE ARALIS?

- **Top Faculty** — Learn from renowned educators and industry leaders.
- **Flexible Learning** — Offers both online and offline modes.
- **Paid Internships** — Rewarding top-performing students.
- **Industry Partnerships** — Collaborations with leading companies.



MISSION

Our mission at Aralis is to deliver exceptional consultancy services by integrating cutting-edge training, robust recruitment processes, and insightful data analytics. We aim to create a seamless ecosystem that nurtures talent, meets market demands, and propels businesses toward sustainable growth.

VISION



Our vision is to be the leading consultancy firm renowned for transforming education and recruitment landscapes. We aspire to build a future where every individual is equipped with the skills needed to succeed, and every business has access to the insights required to excel. Through innovation and dedication, we strive to make Aralis synonymous with excellence in consultancy services.



ROADMAP FOR TRAINING AND INTERNSHIP PROGRAM



Level 1: Introduction to the Course

All students will start by enrolling in Level 1 of the course. This foundational level will cover key topics and prepare students for more advanced learning. Upon completion of Level 1, students will receive a certificate.



Level 2: Advanced Learning

Students who wish to continue their education can opt for Level 2. This level will provide deeper insights and skills building. After completing this level, students will earn an additional certification.



Level 3: Specialization

Level 3 will focus on specialization in the chosen area. This advanced training will help students develop expertise in the subject. Once completed, they will receive a final certification.



Internship Opportunity

After completing all three levels of the course, students will have the opportunity to apply for an internship. This will be offered to those who have successfully completed all three levels of training and are eager to gain hands-on experience in their field.

**Top 10% students of evaluation
will get the internship!**

CYBER SECURITY FUNDAMENTALS



DESCRIPTION

This comprehensive course provides a foundational understanding of cybersecurity concepts, threats, and best practices. You will learn about fundamental cybersecurity principles, explore common attack vectors, and understand the importance of security measures in today's digital world. Through interactive labs, case studies, and expert insights, this course equips you with the knowledge and skills needed to protect digital assets and mitigate cyber threats effectively.

PREREQUISITES

- Basic understanding of computer systems and networks.
- Familiarity with operating systems (Windows, Linux).
- Basic programming knowledge (optional but beneficial).

OUTCOMES

Upon successful completion of this course, students will be able to:

- Define and explain key cybersecurity concepts and principles.
- Identify and mitigate common cyber threats and vulnerabilities.
- Apply cryptographic techniques to secure data.
- Design and implement security measures for various types of systems.
- Understand and apply cybersecurity frameworks and standards.
- Conduct basic cyber forensics investigations.

Modules

Module 1: Introduction to Cybersecurity

- Definition and importance of cybersecurity
- Types of cybersecurity: Network, Application, Information, Cloud, Mobile, IoT
- Case Study: LinkedIn Phishing Scam

Module 2: Cybersecurity Threats and Vulnerabilities

- **Types of threats:** Internal, External, Natural
- **Threat actors:** Hackers, Script Kiddies, Insiders
- **Popular attacks:** Ransomware (WannaCry), Botnet (Mirai), Phishing (Ukrainian Power Grid)
- **Common vulnerabilities:** Buffer Overflows, SQL Injection, Cross-Site Scripting (XSS)

Module 3: Cybersecurity Fundamentals and Cryptography

- **Key concepts:** CIA Triad, Defense in Depth, Risk Management
- **Cryptography:** Symmetric and Asymmetric, Caesar Cipher, Stream Cipher, Block Cipher, Key Pair Principle, MAC, Digital Signatures
- **Security goals:** Authentication, Authorization, Confidentiality, Data Integrity, Availability

Module 4: Cybersecurity Design, Implementation, and Frameworks

- **Designing a security system:** Threat Modeling, Security Controls
- **Secure software development:** Input Validation, Error Handling, Secure Coding Practices
- **Cybersecurity frameworks:** NIST, ISO 27001
- **Introduction to Cyber Forensics:** Process, Types (Disk, Network, Malware, Mobile), Cyber Forensics vs. Cybersecurity



ARALIS

**“THE JOURNEY OF EDUCATION IS LONG,
BUT EVERY STEP TAKES YOU CLOSER TO GREATNESS.”**



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