

Institute for Advanced Learning and Skill Development



IALSD

INSTITUTE FOR ADVANCED
LEARNING
& SKILL DEVELOPMENT



INSTITUTE PROFILE

About The Institute

At the Institute for Advanced Learning and Skill Development, we are committed to bridging the gap between academic knowledge and industry requirements. Our institute provides high-impact training programs, skill development courses, and hands-on projects designed to enhance employability, entrepreneurial abilities, and real-world problem-solving skills.

With a curriculum aligned to NEP 2020 and the University internship framework, we offer specialized internship programs, skill-based training modules, and research-driven projects across various disciplines.

Our Focus Areas:

- ✓ Hands-on skill development through internships and projects
- ✓ Interdisciplinary learning for real-world applications
- ✓ Employment-oriented training in traditional and emerging fields
- ✓ Expert mentorship and industry collaborations



Vision And Mission

Vision

To be a center of excellence in skill development and professional training, fostering a culture of innovation, research, and interdisciplinary learning. We aim to bridge the gap between academic knowledge and industry requirements, ensuring students become job-ready professionals and future leaders in their respective fields.

Mission

- ✓ To offer skill-based, industry-aligned training that enhances employability and entrepreneurial capabilities.
- ✓ To foster interdisciplinary learning by integrating traditional and modern knowledge systems.
- ✓ To provide hands-on, experiential education through live projects, internships, and case studies.
- ✓ To empower students with emerging and conventional skill sets through structured certification programs.
- ✓ To create a collaborative learning environment that nurtures critical thinking, problem-solving, and leadership skills.

Core Concept

Innovation First

We believe in continuously upgrading our programs with cutting-edge technologies.

Hands-on Learning

Our pedagogy emphasizes doing, building, and solving—beyond just theory

Inclusive Growth

We provide opportunities for learners from all backgrounds.

Industry Collaboration

Programs are built in sync with tech leaders and domain experts.

Student Success

Our focus is on meaningful careers, not just certifications.

Why Choose Us?



Industry-Aligned Curriculum

Courses are co-designed with industry professionals and based on current market trends and job roles.



Hands-on Projects & Labs

Every course includes live simulations, tools, and capstone projects for real-world application.



Experienced Mentors

Learn from experts with years of professional experience in AI, Cybersecurity, Cloud, IoT, and more.



Placement Assistance & Career Support

Get help with resume building, mock interviews, job referrals, and internship opportunities.



Certification & Recognition

Receive government-aligned or industry-certified credentials that boost your employability.



Flexible Learning Modes

Choose from in-person, online, or hybrid formats to fit your schedule and learning preference.



Project-Based
Learning



Case Study
Discussions



**Learning
Methodology**



Live Tool
Demos

Soft Skills &
Interview Prep
Modules



- Final-year students & fresh graduates looking for job-ready skills.
- Working professionals seeking career upgrades.
- Entrepreneurs and freelancers building tech-driven businesses.
- Enthusiasts passionate about AI, cybersecurity, data, and innovation.

**Who Should
Join?**

Industries In Focus



Startups &
Innovation
Labs



IT & Software
Services



FinTech &
Banking



Telecom &
Smart Cities



eCommerce &
Retail



Healthcare &
Biotech



Manufacturing
& Automation



Government &
Defense

Our Advanced Certificate Courses

Advanced Certificate in Data Analytics with Gen AI (With Full Placement Support)

Outcomes of the Training: A training program on Data Analytics can deliver impactful results, equipping participants with job relevant knowledge and practical skills to leverage data effectively.

Eligibility: Btech/BCA/MCA/Any Graduate with (Eco/Stat/Maths)

Duration: 150 Hours plus Capstone Project

Course Fee: INR 25,000

Course Outline: The curriculum for this certification course covers the full aspect of Data Analytics with Gen AI focus. This includes:

- Fundamental of Programing
- Fundamental of Statistics
- Introduction to Data Analytics
- Statistical Foundations and Data Science Basics
- Data Handling and Wrangling
- Programming for Data Analytics
- Data Visualization
- Machine Learning and Predictive Analytics
- Deep Learning and Neural Networks
- Generative AI and Advanced Applications
- Big Data and Cloud Analytics
- Business and Soft Skills for Data Analytics
- Capstone Project



TOOLS COVERED



and more...

Our Advanced Certificate Courses

Advanced Certificate in AI-ML with Gen AI (With Full Placement Support)

Outcomes of the Training: A training program on Artificial Intelligence (AI), Machine Learning (ML), and Generative AI equips participants with cutting-edge knowledge and skills to thrive in one of the most transformative fields of technology.

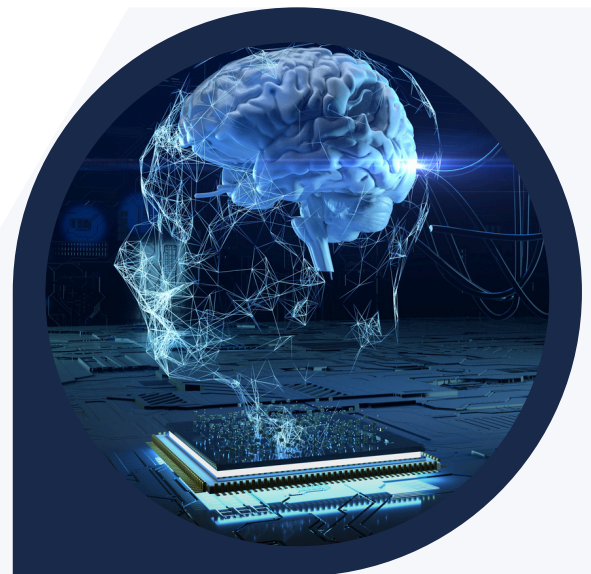
Eligibility: Btech/BCA/MCA/Graduate with (Comp.Sc/Maths)

Duration: 150 Hours plus Capstone Project

Course Fee: INR 25,000

Course Outline: The curriculum for this certification course covers the full aspect of AI-ML with Gen AI focus. This includes:

- Fundamental of Programing
- Fundamental of Statistics
- Foundations of AI and Machine Learning
- Mathematics and Statistics for ML
- Programming for AI and ML
- Supervised Machine Learning
- Unsupervised Machine Learning
- Neural Networks and Deep Learning
- Specialized Deep Learning Architectures
- Generative AI (Gen AI)
- Advanced Applications of Gen AI
- Natural Language Processing (NLP)
- Reinforcement Learning
- AI in the Cloud
- Ethical AI and Explainability
- Capstone Project



TOOLS COVERED



and more...

Our Advanced Certificate Courses

Advanced Certificate in UI/UX Design (With Full Placement Support)

Course Overview: This immersive 150-hour program is designed to transform learners into job-ready UI/UX professionals through hands-on training in design tools, UX research, wireframing, prototyping, interaction design, and usability testing. Learners will graduate with a strong portfolio, interview preparation, and the skills needed to start a career in tech, startups, or creative agencies.

Learning Objectives: This course equips learners with the skills to design user-centric digital interfaces through UX research, visual design, wireframing, prototyping, and usability testing using industry-standard tools. It prepares students to build a professional portfolio and confidently step into roles in UI/UX design.

Who Should Join?: Graphic designers/Web developers/Graduate looking for creative tech careers

Duration: 150 Hours plus Capstone Project

Course Fee: INR 25,000

Course Outline: The curriculum for this certification course covers the full aspect of Data Analytics with Gen AI focus. This includes:

- Introduction to UI/UX Design & Career Landscape
- UX Research & User Psychology
- Information Architecture & UX Strategy
- Wireframing & Low-Fidelity Prototypes
- Visual Design & UI Components
- Tools Mastery – Figma & Adobe XD
- Interaction Design & Microinteractions
- UX Writing & Accessibility
- Usability Testing & Feedback Loops
- Mobile & Cross-Platform Design
- Design Systems & Team Collaboration
- Portfolio Development & Career Prep
- Capstone Project



TOOLS COVERED



Our Advanced Certificate Courses

Advanced Certificate in Cybersecurity (With Full Placement Support)

Learning Objectives: On successful completion of the course, the students will learn how to Detect a cyber-attack and respond during an attacked scenario. Identify, assess and mitigate cyber risk. Assess the cyber security posture and requirement of the any enterprise. Find technical vulnerabilities of any IT infrastructure. Identify legal, regulatory and statutory requirements impacting cyber security.

Who Should Join?: BTech/BCA/MCA/Science Graduate with knowledge of Networking

Duration: 150 Hours plus Capstone Project

Course Fee: INR 25,000

Course Outline: The curriculum for this certification course covers the full aspect of Cybersecurity.

- Fundamental of Computer Networks
- Fundamental of Operating Systems
- Introduction of IT Security
- Penetration & Exploitation
- Mobile Security
- Network and Wireless Security
- Web Application, Database, OS and Host Security
- Cloud Security
- IoT Exploitation & Security
- Social Engineering
- OS Hardening
- Threat Hunting, OSINT & Threat Intelligence and Vulnerabilities
- SIEM & SoC
- Cryptography
- Deep & Dark Web
- Malware Analysis and Reverse engineering and Digital Forensic
- IT Regulations & Mandates
- Capstone Project



TOOLS COVERED



and more...

Our Advanced Certificate Courses

Advanced Certificate in Blockchain & Cryptocurrency (With Full Placement Support)

Course Overview: This comprehensive program is designed to equip learners with in-depth knowledge of blockchain technology, cryptocurrency mechanisms, smart contracts, and decentralized applications (dApps). The course bridges theory with hands-on development, preparing students for careers in Web3, FinTech, and blockchain startups. Through real-world use cases and tools like Ethereum, Solidity, and Hyperledger, learners gain the skills to build secure, scalable, and innovative blockchain-based systems.

Learning Objectives: This course empowers learners to build blockchain-based solutions by mastering the fundamentals of decentralized networks, smart contract development, dApp creation, crypto asset management, and blockchain security — preparing them for real-world roles in Web3 and FinTech industries.

Who Should Join?: graduates in CS/IT, Engineering, or Finance, Working professionals in IT, banking, or fintech, Crypto enthusiasts.

Duration: 150 Hours plus Capstone Project

Course Fee: INR 25,000

Course Outline:

- Introduction to Blockchain Technology
- Cryptography & Consensus Algorithms
- Bitcoin & Cryptocurrency Fundamentals
- Ethereum & Smart Contracts with Solidity
- dApp Development (Decentralized Applications)
- Blockchain Frameworks & Platforms
- DeFi, NFTs, and DAOs
- Blockchain Security & Auditing
- Deployment & Real-World Project
- Capstone Project

Tools & Technologies Covered:

- Ethereum, Solidity, Web3.js, Ganache, Truffle
- MetaMask, Remix IDE, Hardhat, IPFS
- Hyperledger (Fabric overview)
- GitHub, VS Code, Etherscan
- Polygon, Chainlink, OpenZeppelin, Firebase (for dApps)





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Contact Us

Phone

+91 8697948648
+91 9830140460
+91 9330903118

Email

ialsd@ialsd.com

Website

www.ialsd.com

Address

1st Floor, Convergence Contact Center
Block, D2, EP & GP, 2, GP Block, Sector V, Bidhannagar,
Kolkata, West Bengal 700091

Connect us on:     