

Executive Programme in Artificial Intelligence and Cyber Security for Organizations [EPAI&CSO]

Programme by IIM Indore



NIRF India
Rankings 2024

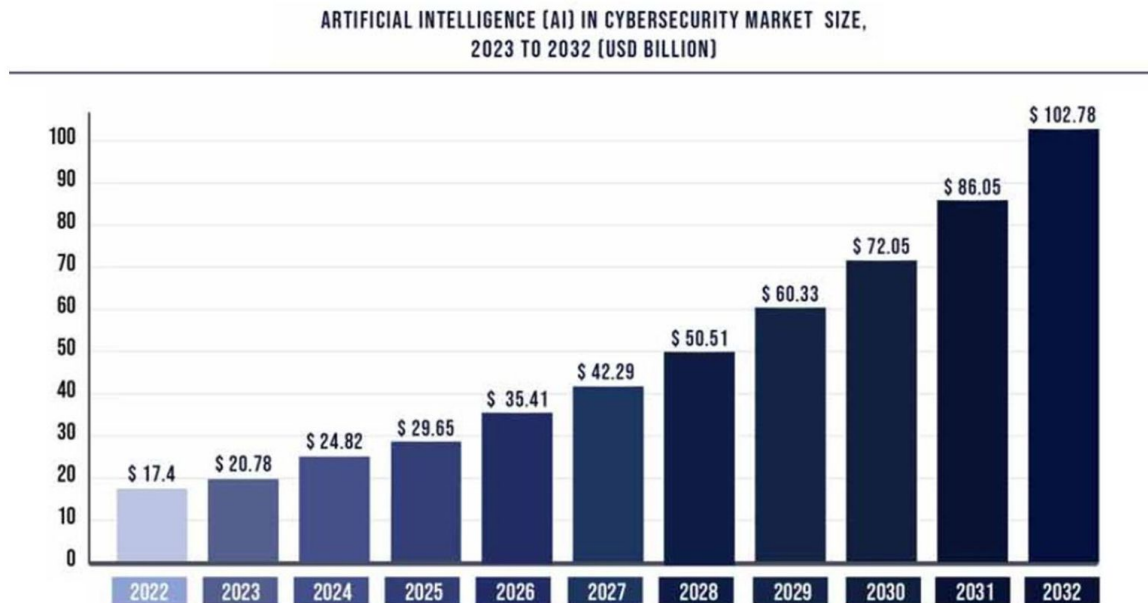


Marketing Partner

jaro education

Harness AI to Combat Cyber Heists and Safeguard Data

The global artificial intelligence (AI) in cyber security market size accounted for **USD 17.4 billion** in 2022 and it is expected to reach around **USD 102.78 billion** by 2032.



*Precedence Research

“

97% of Indian organizations are investing in AI & ML technology.

*DSCI report | Business Standard

69% of companies believe that combating cybercrimes requires intervention by AI.

*DSCI report | Business Standard

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Harness AI to Combat Cyber Heists and Safeguard Data

Harnessing the power of artificial intelligence (AI) is paramount in the ongoing battle against cybercriminals and safeguarding sensitive data. Organizations deploy cutting-edge AI algorithms to proactively identify and thwart potential threats before they manifest into full-blown cyber heists. AI-driven solutions offer real-time monitoring, anomaly detection, and predictive analytics, enabling swift response to evolving cyber threats. Moreover, AI enhances data encryption and authentication protocols, fortifying digital defenses against unauthorized access and data breaches. Protecting data assets from cyber heists is an ongoing challenge in today's interconnected world. To mitigate risks effectively, businesses increasingly turn to AI solutions. By leveraging AI technologies like machine learning and predictive analytics, organizations detect anomalous patterns and potential security breaches before they escalate. AI-driven systems provide real-time threat intelligence and automate responses, enabling rapid mitigation of cyber threats. Through continuous learning and adaptation, AI strengthens defenses against evolving cyber threats, safeguarding sensitive data and preserving trust in digital ecosystems. Embracing AI technology empowers enterprises to stay ahead of cybercriminals and uphold the integrity and confidentiality of their valuable data assets. This approach necessitates a proactive and adaptable stance in navigating the delicate balance between innovation and security.



Overview

This programme is designed for non-technical professionals, engineers, IT project managers, and early-career IT professionals seeking to understand and mitigate cyber threats. It equips participants with essential skills in artificial intelligence, digital transformation, and cybersecurity, making it ideal for career switchers and professionals aiming to advance in this field.

The curriculum covers AI fundamentals, machine learning, big data analytics, data visualization (Power BI, Tableau), generative AI, and emerging technologies like blockchain and quantum computing. It also delves into cybersecurity, risk management, threat mitigation, incident response, digital forensics, and compliance with global regulations.

With a strong focus on leadership and communication, this programme empowers professionals to navigate AI-driven innovations and the evolving cybersecurity landscape for career growth.



Programme Highlights

Executive
Execution Alumni
Status- IIM Indore



Certificate of
Completion from
IIM Indore

Holistic
Curriculum



Designed
for Working
Executives

Interactive
Online Learning



Curriculum taught
by Best of the
Domain Experts

Programme Objectives

For Artificial Intelligence

- To provide participants with a comprehensive understanding of the principles, theories, and methodologies underlying artificial intelligence.
- Equip participants with the technical skills necessary to implement AI algorithms and solutions, including programming, data manipulation, and model building
- Enable participants to apply AI techniques to real-world problems across various domains, fostering hands-on experience and project-based learning. Develop participants' ability to critically evaluate AI techniques and solutions, considering factors such as performance, scalability, and ethical implications.
- Develop participants' ability to critically evaluate AI techniques and solutions, considering factors such as performance, scalability, and ethical implications.
- Integrate knowledge from multiple disciplines, including computer science, mathematics, and cognitive science, to provide a holistic understanding of AI.
- Foster an understanding of the ethical considerations and societal implications associated with the development and deployment of AI technologies.
- Cultivate participants' ability to work effectively in interdisciplinary teams, leveraging diverse perspectives to tackle complex AI problems.
- Encourage participants to explore emerging trends and advancements in AI research, fostering a culture of innovation and continuous learning.

For Cyber Security:

- To provide participants with a holistic understanding of the cyber security field and equip them with the knowledge and skills necessary to understand and mitigate cyber threats facing organisations.
- To enable participants to apply the concepts learned during the program to real-world scenarios and hands-on exercises.
- To provide participants with the opportunity to network with industry experts and professionals working in the field.

To prepare participants for career advancement in the cyber security field, whether as early-career IT professionals or career switchers.

- To provide participants with a multi-disciplinary approach to cyber security and help them to think critically about the threat landscape and vulnerabilities in the cyber security field.

Learning Outcomes

For Artificial Intelligence

- Participants will gain a comprehensive understanding of fundamental concepts in artificial intelligence, including machine learning, neural networks, natural language processing, and computer vision.
- Participants will be able to apply various AI algorithms to solve real-world problems, including classification, regression, clustering, and reinforcement learning.
- Participants will develop proficiency in programming languages commonly used in AI development, such as Python and big data environments including Hadoop and Spark.
- Participants will learn techniques for data preprocessing and feature engineering to prepare raw data for AI models effectively, including data cleaning, normalization, and dimensionality reduction.
- Participants will understand methods for evaluating the performance of AI models and techniques for model optimization, including hyperparameter tuning and cross-validation.
- Participants will explore ethical considerations surrounding AI technologies, including bias and fairness, privacy concerns, and the societal impact of AI deployment.
- Through analyzing case studies and engaging in discussions, participants will develop critical thinking skills to assess the strengths and limitations of different AI approaches and apply them creatively to new challenges.

For Cyber Security:

- Participants will comprehensively understand the cybersecurity landscape, including the latest technologies, best practices, and emerging threats.
- Participants will be able to apply risk management methodologies to identify and mitigate cyber threats facing organisations.
- Participants will be able to understand and use technologies used to secure networks and systems, including firewalls, intrusion detection systems, and encryption.
- Participants will be able to respond to and investigate cyber incidents, including how to collect and analyse digital evidence.
- Participants will be able to understand and comply with laws and regulations that govern cybersecurity.
- Participants will develop the ability to communicate effectively with stakeholders and lead a cybersecurity team.

Programme Content

The programme is designed to provide participants with a holistic understanding of cyber security, including the latest technologies, best practices, and emerging threats. The curriculum is structured to cover the following key areas:

» Module 1

- Introduction to Artificial Intelligence and Digital Transformation
- Machine Learning and AI
- Big Data and Analytics
- Data Visualization
- Generative AI including Prompt Engineering
- Emerging Technologies like Blockchain and Quantum Computing

» Module 2

- Introduction to Cyber Security: Issues and Challenges
- Introduction to Defensive and Offensive Cyber Security Landscape
- Security in the inter-connected world: Cloud, Mobile, IoT
- Incident Response and Digital Forensics
- Ethical Hacking
- Identity and Access Management (IAM) Concepts, IAM
- Layers and Technology
- Data Privacy, and Data Protection
- Overview of Cyber Crime
- Information Security: Strategy and Policy
- Designing Cyber Security Framework for an Organization
- Overview of Prevailing Cyber Law

*Courses are subject to change at IIM Indore's discretion.



Pedagogy

Live
Lectures

Case
Discussions

Quizzes

Assignments

Programme Details

Session Duration:	<ul style="list-style-type: none">• 10 Months
On-campus Module:	<ul style="list-style-type: none">• TBD
Programme Schedule:	<ul style="list-style-type: none">• July 2025 -May 2026
Commencement Date:	<ul style="list-style-type: none">• 19th July 2025
Application Closure:	<ul style="list-style-type: none">• 30th June 2025
Session Timings:	<ul style="list-style-type: none">• The academic sessions will be held on Saturday.• First Session: 5.30 pm to 6.45 pm• Second Session: 7.00 pm to 8.15 pm

Note:- The time gap between two consecutive sessions is to give the participants a break. On some days, the classes may extend beyond the mentioned time. In addition to attending interactive sessions, participants have to undertake online quizzes, assignments, and examinations.



Admission & Evaluation Criteria

Eligibility

- Diploma (10+2+3)/Graduate/Post Graduate from Universities recognised by the Association of Indian Universities with minimum 50% marks in either diploma, graduation, or post-graduation (or its equivalent) with at least two years of work experience.

*Internships and Trainee experiences are not considered full-time work experience.

Attendance Criteria

- Participants are expected to attend all sessions of a given course. However, Participants may take leave on account of emergencies, subject to the approval of the Programme Coordinator. However, a 75% minimum attendance requirement would be considered for the final grading. For less than 75% attendance, a grade cut as per the norms will be applied.

Evaluation Methodology

- Performance of participants will be monitored on a continuous evaluation basis through quizzes, assignments, tests and examinations. The participant is required to score minimum marks/grades as decided by the Institute from time to time to complete the course.



Fee Structure and Instalment Pattern

Fee Details	Amount (in INR)
Registration Fee	INR 2,500/- + GST
Programme Fee	INR 2,00,000 + GST

Instalment Pattern	Amount (in INR)
1st Instalment (payable at the time of admission)	INR 70,000/- + GST 3 Days from the date of Offer
2nd Instalment	INR 70,000/- + GST 15 th October 2025
3rd Instalment	INR 57,500/- + GST 15 th January 2026

*The above fee does not include the Executive education alumni fee.

*Registration fee is non-refundable.



Executive Education Alumni Status - IIM Indore

- The participants who will complete the programme successfully will be eligible for the Executive Education Alumni status of IIM Indore. They will require to apply separately along with the necessary fee to register their name. Current alumni membership plans are as follows:

2-year membership – INR 1000/- + applicable taxes

Lifetime membership – INR 10,000/- + applicable taxes

✓ Benefits available to Executive Education Alumni:

- Communication of brochures and newsletters from IIM Indore.
- Access to the IIM Indore Campus Library (onsite access only).
- Official email ID of the institute.
- ID Card.

Mere successful completion of the programme, application submission, and fee does not entitle a participant to be eligible for executive education alumni status. IIM Indore reserves the right to confer executive education alumni status.

IIM Indore reserves the right to modify the above conditions at its discretion at any time without notice. Only the courts at Indore will have the territorial jurisdiction to try any disputes arising in respect of the Executive Alumni membership being granted.



Certification

Participants who successfully meet the evaluation criteria will receive the prestigious 'Certificate of Completion' from IIM Indore.



*The sample certificate is indicative. The Institute reserves the right to revise it.



Know the Facilitator



PROF. SAURABH KUMAR

Saurabh Kumar is a Faculty in Information Systems area at IIM Indore. He has completed his FPM degree from Indian Institute of Management Lucknow. Prior to joining IIM Indore, he was working as a faculty at Indian Institute of Management Nagpur, India.

He has also served as a Visiting Research Scholar at Beedie School of Business, Simon Fraser University, Canada for 6 months for conducting his thesis research work. Prior to his FPM degree, he has served in Tata Consultancy Services Bangalore. He holds an engineering degree in computer science from SASTRA University, Tamil Nadu. He has various publications in reputed journals like Behaviour & Information Technology, Expert Systems with Applications, and so on. His research and teaching interests include business analytics, data mining, soft computing techniques, privacy and security issues in big data.



IIM Indore at a Glance



भारतीय प्रबंध संस्थान इंदौर

Indian Institute of Management Indore

सिद्धिपूर्व प्रबन्धनम्
भा. प्र. सं. इन्दौर
IIM INDORE



The Department of Higher Education, Ministry of Education, Government of India established Indian Institute of Management Indore (IIM Indore) as an institution of excellence for imparting high quality management education and training. IIM Indore is recognized as a premier management institution, comparable to the best in the world for teaching, research and interaction with industries. It was established in 1996 and is promoted and nurtured by the Ministry of Education, Government of India. IIM Indore is an institute of national importance under the Indian Institutes of Management Act 2017.

IIM Indore strives to provide the best possible education to its students by interfacing with the industry, government, and PSUs. The institute is committed to promoting excellence in management education and research that benefits society as a whole.



Career Assistance

Profile Building

Rigorously building the candidate's profiles and resume scrutinizing with their LinkedIn profiles. Jaro Education enables personalised feedback to boost overall virtual presence.

Resume Review

Moving forwards with carefully curated resumes reviews that ensures you are interview-ready for the workplace of tomorrow.

Career Enhancement Sessions

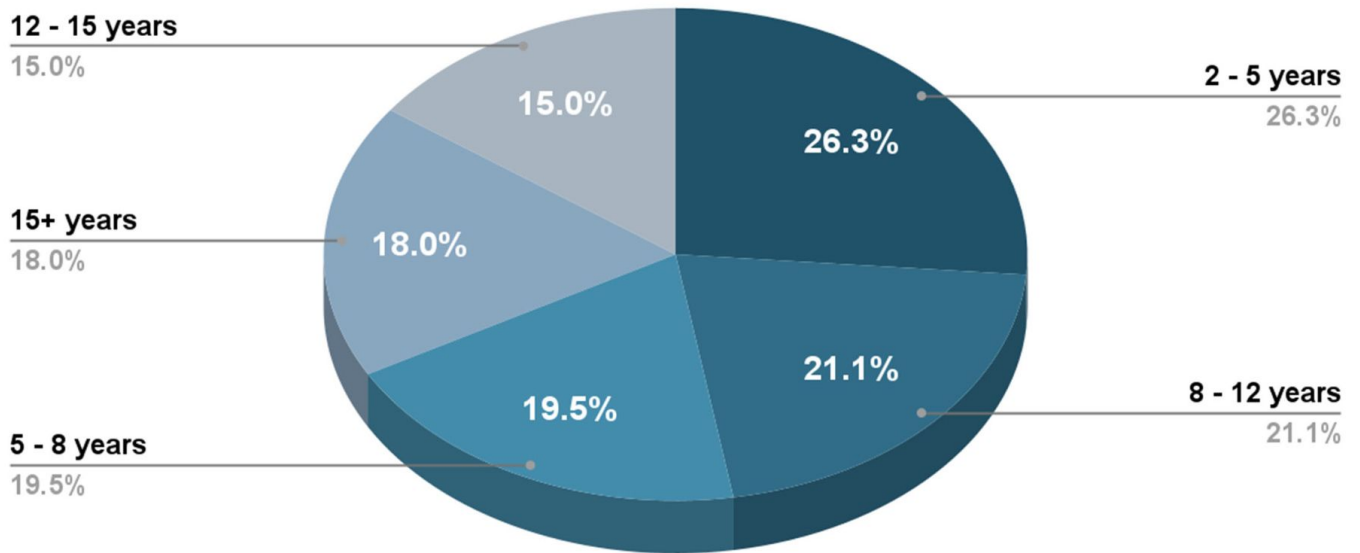
Bridging connectivity to link the best talent with organizations through eminent sessions from top-class industry speakers.

Note: IIM Indore or Jaro Education do not guarantee or promise you a job or advancement in your existing position. Career services are simply provided as a service to help you manage your career in a proactive manner. Jaro Education provides the career services described here. IIM Indore is not involved in any way with the career services described above and offers no commitments.

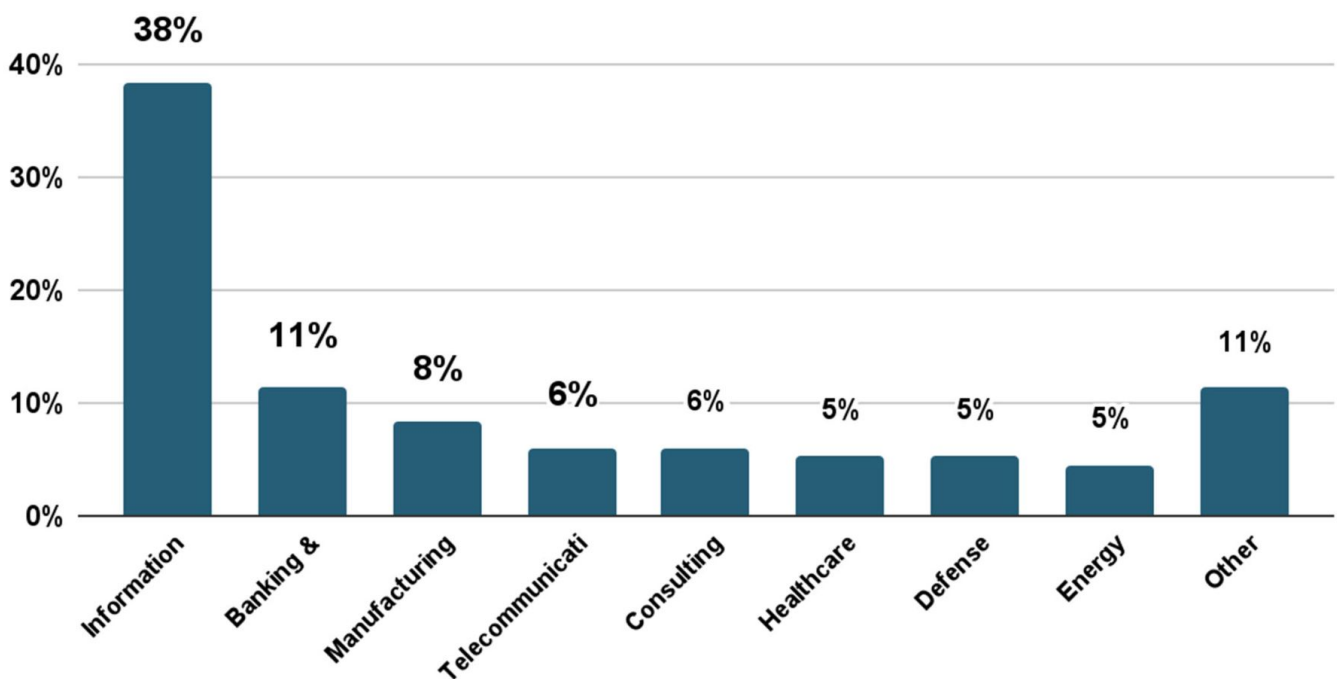


Recent Batch Analysis

Work Experience



Industry Wise Bifurcation



Top Companies Where Our Alumni are Working at:



Top Designations:

Chief Information Security Officer

Chief Security & Resilience Officer

Head IT Infrastructure & Ops

Head-security

DEPUTY COMMISSIONER OF POLICE

Associate General Manager

Product Security Lead

Intelligence Specialist

Operations Manager

Note:

- Past performance records do not guarantee any future opportunities.
- All company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them.
- The list is partial.

About Jaro Education

3,50,000+
Career Transformed

120+
Programs from
Diverse Domains

30+
World's Leading
Academic Partners

23+
Learning Centres across
India, USA & Singapore

18+
Top NIRF Ranked Indian
Institutes & Universities

10+
Top QS Ranked Global
Institutes & Universities



e-India Awards

The Best ICT Enabled
Higher Education
Institute Award



**Educational
Excellence Awards**

Most Innovation &
Successful online MBA
Program in India



MODI Awards

Outstanding
Contribution in Online
Education



**ABP Education
Awards**

Best Digital Learning
Innovation Award



**World HRD
Congress**

National Best
Employer Accolade



**World HRD
Congress**

Edtech Leadership
Awards

OUTLOOK BUSINESS



**Outlook Business Icon
Awards 2023**

India's Most Trusted
Online Higher Education Company

Jaro Education is India's most trusted online higher education company. The Edtech firm, a pioneer in the executive education industry, was founded in 2009 by Dr Sanjay Salunkhe and has been profit-making since its inception and is self-funded. The company has been awarded the Edtech leadership award and the National best employer accolade by World HRD Congress in March 2022. The company aims to nurture entrepreneurs & working professionals from entry-level to C-Suite level in every field and industry by offering executive education programs that cater to their requirements.





jaro education

**Schedule a call with our
admission representative today**

Priya Rathod

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🌐 jaroeducation.com

Jaro Education's Presence

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