



भारतीय प्रौद्योगिकी संस्थान दिल्ली  
Indian Institute of Technology Delhi

Batch  
02

*Lead the Way in*  
**Shaping the Future of Technology!**

# Chief Technology Officer Programme

Offered by CEP, IIT Delhi

10-12 Months | Live Online Lectures



**Starts on: 9<sup>th</sup> August 2025**

# Transforming Tech for Digital Success

**\$5.61 trillion** — Worldwide IT spending is expected to reach this amount in 2025, marking a 9.8% increase from 2024, driven by investments in AI, software, and IT services

\*Gartner

**US\$19.9 billion** India's IT and business services market is projected to reach US\$ 19.93 billion by 2025

\*IBEF

**93%** of all CEOs assert that technology is key to driving product and service innovation

\*Deloitte and WSJ Intelligence Global Survey

**84%** of all CEOs say the ideal technology leader must have experience in leading change and transformation

\*Deloitte and WSJ Intelligence Global Survey

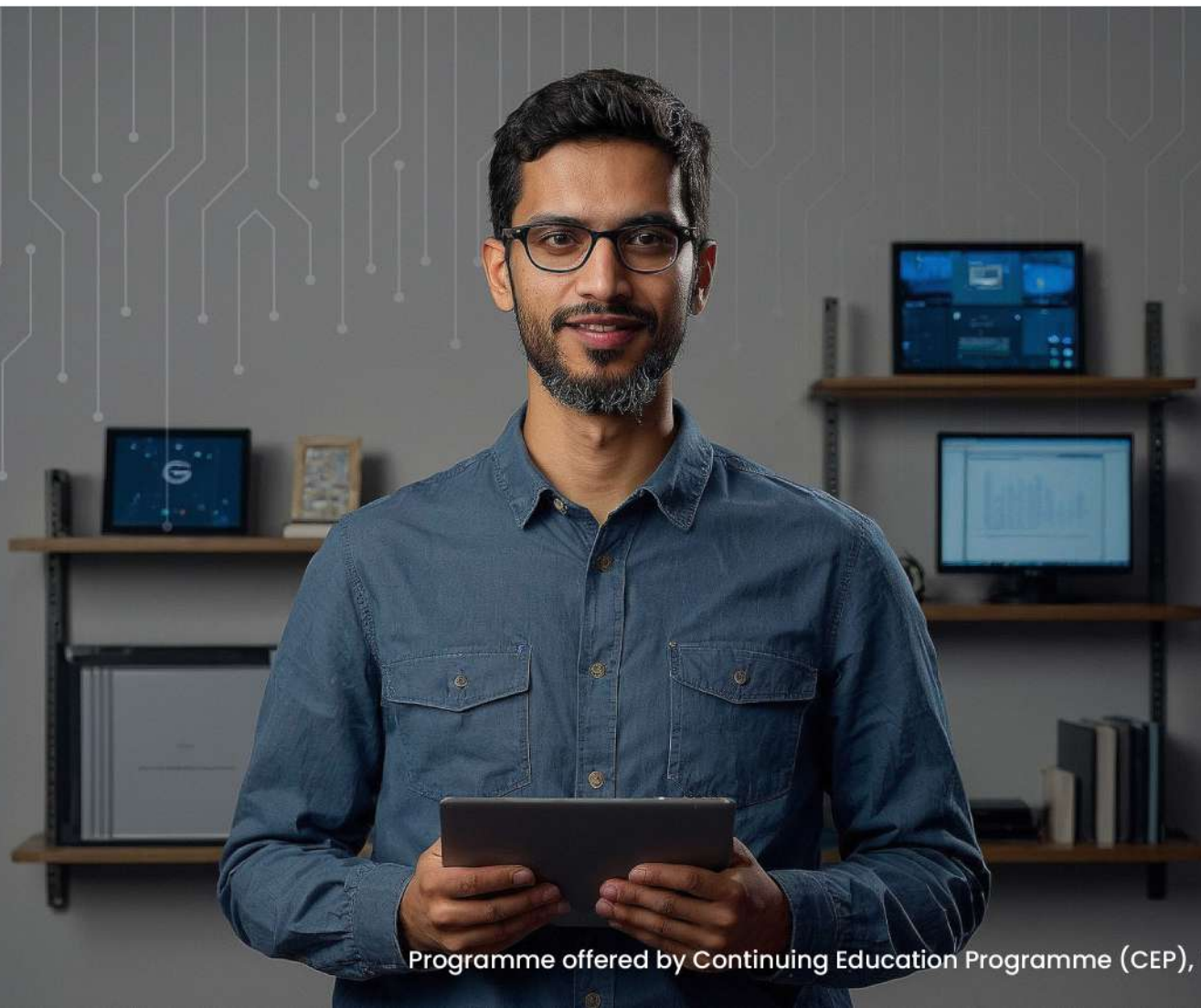
**43%** of CTOs see digital privacy, cybersecurity and compliance as the most pressing tech challenges

\*PwC

# Transforming Tech for Digital Success

The global technology landscape is experiencing significant growth, with India's IT and business services market projected to reach US\$19.93 billion by 2025. This expansion highlights the crucial role of technology in shaping economies and industries worldwide. However, as the digital realm expands, challenges such as digital privacy, cybersecurity, and compliance become more pronounced. PwC's findings indicate that 43% of Chief Technology Officers (CTOs) identify these issues as their most pressing concerns. Navigating these challenges is essential for organizations to fully leverage their technological investments, especially in an era where data security is paramount.

The IT and Business Process Management (BPM) market constitutes a substantial 9.3% of India's GDP, contributing significantly to the nation's economic fabric. India's role in the global outsourcing market is also noteworthy, accounting for 56% of the total market, as per a recent report on IBEF. In this landscape of growth and challenges, skilled CTOs with a blend of strategic vision, cybersecurity acumen, and compliance expertise are imperative. As the IT sector continues to be a linchpin in global economies, professionals equipped with comprehensive skills will play a pivotal role in driving innovation and steering organizations towards success.



# Key Challenges Faced by India's Technology Sector

## ● Digital Privacy and Cybersecurity

### Way Forward

- Navigate the complexities of ensuring digital privacy and cybersecurity in an increasingly interconnected world.
- Develop and implement robust measures to safeguard sensitive data.

## ● Compliance Management

### Way Forward

- Stay abreast of evolving regulatory frameworks and ensure compliance with data protection laws.
- Mitigate legal risks associated with technology operations.

## ● Talent Acquisition and Retention

### Way Forward

- Address the shortage of skilled technology professionals by implementing effective talent acquisition and retention strategies.
- Foster a conducive work environment to attract and retain top-tier talent.

## ● Technological Innovation

### Way Forward

- Drive continuous technological innovation to maintain a competitive edge.
- Balance the adoption of emerging technologies with the need for stability and reliability.

## ● Globalization and Outsourcing

### Way Forward

- Navigate the challenges and opportunities presented by globalization, including outsourcing decisions.
- Optimize global technology operations to enhance efficiency and reduce costs.

In navigating these challenges, CTOs play a pivotal role in shaping the technological landscape of India and contributing to global technological advancements.

## Overview

In the technology-driven business world of today, the need for proficient Chief Technology Officers (CTOs) and Chief Digital Officers (CDOs) is on the rise. A CTO programme empowers professionals with the expertise to excel in these pivotal roles, enhancing their leadership capabilities in technology strategy, innovation, and decision-making. By bridging the divide between business and IT, the programme enables CTOs to align technology initiatives with organizational objectives and drive digital transformation. This interdisciplinary programme targets individuals seeking to enhance leadership skills, comprehend CTO/CDO responsibilities, explore technology strategy, and gain a tech-led competitive advantage.



# Key Differentiators



Case Studies  
Driven Learning



Certificate of  
Successful Completion  
from CEP, IIT Delhi



Exposure to World-class  
Knowledge and Global  
Best Practices



Live Interactive Sessions  
by IIT Delhi Faculty



Networking Opportunities with  
Future High-Value Individuals



2 Days of  
Campus Immersion

# WHO Can Attend?

The following professionals, particularly those at the pre-CXO (Chief Experience Officer) levels, should consider enrolling for this intake:

- **Technical Head:**

To stay updated on the latest advancements and trends in technology that can impact their role and responsibilities.

- **VP Digital Product:**

To gain insights into innovative product development strategies and digital trends that can enhance their product offerings.

- **Digital Transformation Manager:**

To learn about successful digital transformation case studies and strategies that can be applied to their organization.

- **Senior Product Manager:**

To understand the evolving landscape of digital products and how to drive product success in a digital-first world.

- **Digital Transformation Leader:**

To exchange ideas and strategies with peers and experts in the field and to lead digital transformation initiatives effectively.

- **Deputy General Manager**

To stay informed about industry changes and new approaches to leadership and management in the digital era.

- **General Manager:**

To gain a broader perspective on digital strategies that can drive organizational success and competitive advantage.

- **Associate Vice President:**

To expand their knowledge of digital solutions and trends that can contribute to the growth of their department or division.

- **Consultant:**

To gather information on emerging market trends and technologies, which can be valuable for providing informed advice to clients.

- **Senior Consultant:**

To enhance their expertise and keep their consulting services aligned with the latest industry developments.

Designed for professionals to stay at the forefront of digital transformation and gain insights into strategies that can drive success in their respective roles and industries.



# Key Learning Outcomes

**1**

**Strengthen core leadership skills**

**2**

**Build strategic and functional responsibilities of a CTO, CDO**

**3**

**Explore strategy, ideation, and adaptation in technology**

**4**

**Create a Tech-Led Competitive Advantage for their organization**

**5**

**Master system dynamics modelling approach to model technical innovation**

# Programme Content

## Rise of Digital Business Ecosystems

- Digitalization and Digital Transformation
- Digital Consumer Behavior
- Ecosystem Collaboration & Orchestration
- Digital Marketplaces

## Aligning Technology and Business Strategies

- Strategic Information Systems Matrix
- Business-IT Strategic Alignment
- Business Operating Models

## Emerging Technologies—Blockchain, AIML, Digital Twins, Generative AI

- Emerging Technologies 101: Blockchain, Challenges
- AIML, Digital Twins, Generative AI
- Applications for competitive advantage

## Enterprise Architecture and IT Infrastructure

- Information systems pyramid
- Cloud Infrastructure Management
- Enterprise Architecture Frameworks
- IT Infrastructure Optimization

## Managing and Implementing Complex IT Projects

- Project Management Methodologies
- Technology Governance
- Risk Management in IT Projects

## Building an AI-driven or an Intelligent Organization

- Understanding AI and Problem Solving
- AI for Strategic Decision-Making
- Generative AI and Its Business Applications
- Building and Deploying AI Models at Scale

## Digital Transformation and Change Management

- Change Leadership
- Change Communication
- Cultural Transformation
- Change Measurement and Metrics

## **Digital Innovation Strategies**

- Open and Closed Innovation Systems
- Process of innovating with digital technologies
- Innovation Labs
- Design Thinking in Innovation

## **Digital Product Management and Go-to-Market Strategy**

- Product Lifecycle Management
- Product-Market Fit
- Go-to-Market Strategies

## **Data Monetization and Analytics**

- Data Monetization Models
- Advanced Analytics
- Big Data Strategies
- Data Governance

## **Digitised Value Chains**

- Value Chain Optimization
- Supply Chain Digitization
- Digital Operations
- Integrated Value Chain Models

## **Digital Platforms**

- Platform Business Strategies
- Ecosystem Development
- Platform Governance

## **Managing Hybrid Enterprises**

- Hybrid IT Infrastructure
- Hybrid Cloud Strategies
- Hybrid Workforce Management

## **Crisis Management**

- Crisis Communication
- Business Continuity Planning
- Risk Mitigation
- Crisis Leadership

## **Leading Teams & Organizational Dynamics**

- Chief Digital Officers & CXOs
- Team Dynamics and Collaboration
- Organizational Dynamics

## Cybersecurity, Risk, and Compliance Management

- Cybersecurity Frameworks and Standards
- Incident Response and Recovery Planning
- AI Risk and Threat Modelling
- Regulatory and Ethical AI Compliance

## Technology Policy, Privacy, and Security

- Privacy by Design & AI Governance
- Responsible Use of Generative and Agentic AI
- Security Policies and Internal Governance
- Technology Policy and Societal Impact

## Automation & the Future of Work

- AI in Workforce Automation
- Workforce Upskilling
- Ethical Considerations in Automation

## Finance for CTOs

- IT Budgeting and Cost Management
- ROI Analysis for Technology Investments
- Total Cost of Ownership (TCO) for IT Projects
- Financial Metrics for Evaluating IT Performance

## Best practices from the Industry

- Industry-Specific Case Studies
- Success Stories in Digital Transformation
- Lessons Learned
- Industry Benchmarking

Note: This is an indicative list of course topics and is subject to change at IIT Delhi's discretion.



*Driving*  
**Innovation Through  
Leadership**

## Programme Details



**Application Closure Date | 31<sup>st</sup> July 2025**  
**Commencement Date | 9<sup>th</sup> August 2025**

### Duration

- 10 Months | 35 Sessions | 105 Hours of Learning

### Delivery

- Live Online Sessions delivered through Direct-to-Device (D2D)

### Schedule

- Session Timings: Saturday, 05:00 pm to 08:00 pm

### Eligibility

- Graduation (10+2+3) from a recognized university (UGC/AICTE/DEC/AIU/State Government/ recognized international universities) in any discipline with a minimum of 5 years of working experience.

### Screening & Selection

- Screening and selection will be done by IIT Delhi

### Admission Criteria

- Selections will be based on a detailed Profile of the Candidate in his own words elaborating on his Academic record, Profile, Designation, Salary, Roles, Responsibilities, Job Description, and a write-up on "Expectations from the Programme".



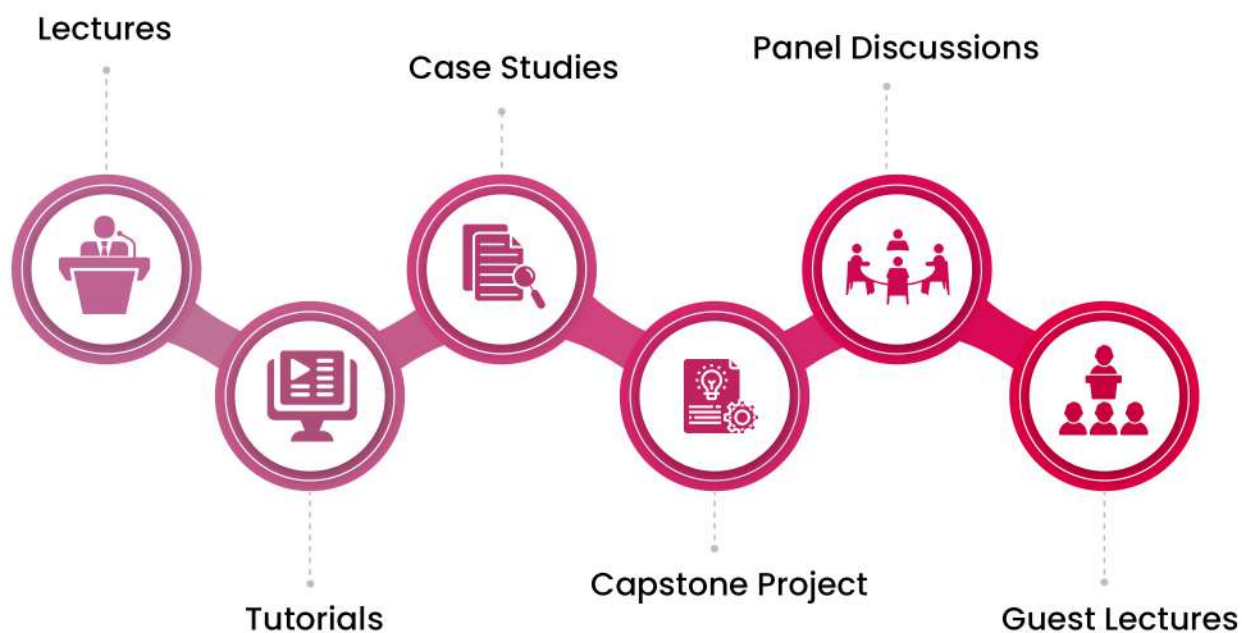
## Assessment

- One mid-term exam - 25%
- One end-term exam - 25%
- Capstone project - 25%
- Assignments - 25%
- Exams shall be based on the content covered in the course. It will be open ended and application oriented
- Learners will get 24 Hours to submit the answers
- Capstone project - It will be a group exercise. Learners are expected to undertake a real life project from their organization and implement the ideas generated from the course.
- Assignments - Periodic assignments shall be assigned during the course for continuous assessment

## Attendance

- 50% attendance is mandatory

## Pedagogy



# Real-World Case Studies: Learn from Global Trailblazers

As part of the curriculum, learners will explore 10+ in-depth case studies showcasing cutting-edge digital transformation strategies from leading global organizations. These real-world examples offer practical insights into how top companies leverage technology for competitive advantage. Featured case studies include:

- **Digital Twins in Action:** Explore how the Norwegian power sector leveraged digital twin technology to enhance operational efficiency.
- **AUDI AG:** Discover how Audi embedded big data analytics at the heart of its digital transformation.
- **DBS Bank:** A deep dive into DBS's journey towards becoming a fully digital bank through strategic business innovation.
- **Walmart Canada:** Understand how blockchain technology revolutionized their freight invoice processing.
- **Carestream Health:** Analyze the end-to-end digital transformation roadmap of a leading healthcare imaging company.
- **Adidas:** Learn how a contrarian IT multisourcing strategy delivered tangible business benefits.
- **Hummel:** Gain insights from Hummel's shift to omnichannel retailing through digital transformation.
- **American Express:** Examine the social media strategy that strengthened brand engagement and customer loyalty.
- **AI in Legal Services:** Investigate the complexities of integrating machine learning and AI in knowledge-intensive law firm environments.

These case studies are not just stories—they are blueprints for transformation, offering learners actionable insights they can apply within their organizations.

## Programme Fee Details

### Programme Fee Structure

Application Fee (non-refundable)\*  
INR 1,000/- + GST

**TOTAL  
PROGRAMME FEE\***

**INR 2,50,000/-  
+ GST**

### Instalment Pattern

Instalment 1: INR 1,50,000/- + GST  
As per the offer letter

Instalment 2: INR 1,00,000/- + GST  
10<sup>th</sup> August 2025

## Easy EMI Options Available\*

\*Application Fee of INR 1,000/- + GST is non-refundable and will not be adjusted in the total programme fee.

\*Payment of fees should be submitted in the IIT Delhi CEP account only and the receipt will be issued by the IIT Delhi CEP account for your records.

\*Loan Options is a service offered by Jaro Education. IIT Delhi is not responsible for the same.

### Withdrawal & Refund from Programme

Candidates can withdraw within 15 days from the programme start date. A total of 80% of the total fee received will be refunded. However, the applicable tax amount paid will not be refunded on the paid amount.

Candidates withdrawing after 15 days from the start of the programme session will not be eligible for any refund.

If you wish to withdraw from the programme, you must email [cepaccounts@admin.iitd.ac.in](mailto:cepaccounts@admin.iitd.ac.in) and [crm.supportiitd@jaro.in](mailto:crm.supportiitd@jaro.in), stating your intent to withdraw. The refund, if applicable, will be processed within 30 working days from the date of receiving the withdrawal request.

# Programme Certification

Participants who receive at least 50% in the assessment will receive a '**Certification of Completion.**'

Participants who do not meet the evaluation criteria but meet the attendance requirements will be presented with a '**Participation Certificate.**'



This is a template for a participation certificate from the Indian Institute of Technology Delhi. It features the IIT Delhi logo and name at the top, followed by the department/centre/school name. The certificate is for a Continuing Education Programme. It states that the participant, identified by name and title, has participated in the online certificate programme on a specific title, held from a start date to an end date. The certificate is signed by the Programme Coordinator, Head of the Department, and Head/Associate Head, QIP/CEP. A QR code is located at the bottom center. The footer mentions it is an initiative under eVIDYA@IITD.

Indian Institute of Technology Delhi  
HAUZ KHAS, NEW DELHI- 110016

Department/Centre/School of .....

Continuing Education Programme  
On  
Title of the Programme

This is to certify that

Mr./Ms. Name Of The Participant

has participated in the online certificate programme on "Title of the Programme" held from ..... to ..... by the Indian Institute of Technology Delhi.

Prof. Programme Coordinator

Prof. Head of the Department

Prof. Head/Associate Head, QIP/CEP

An initiative under eVIDYA@IITD (E-Form@IITD)



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Prof. Head/Associate Head, QIP/CEP

An initiative under eVIDYA@IITD (E-Form@IITD)

- The above e-certificate is for illustrative purposes only, and the format of the certificate may be changed at the discretion of IIT Delhi.
- Only an e-certificate will be provided, and it will be issued by CEP, IIT Delhi.
- The organising department of this programme is the Department of Management Studies, IIT Delhi.

## Hear from our Participants



### **Mr. Bhavya Bansal**

Head of Engineering,  
Easyres Travel Technologies Pvt. Ltd.

"Joining the IIT Delhi CTO Programme was driven by my passion for learning and a fascination with how tech executives shape company direction. This programme has enriched my decision-making skills and expanded my network, positioning me to advance towards becoming a successful CTO. The experience at IIT Delhi, paired with exceptional faculty, has been a dream come true. Overall, my journey with Jaro Education has been fantastic, thanks to their unwavering support and commitment to providing a great learning experience. I highly recommend this programme for its profound insights and invaluable connections."

### **Mr. Jayesh Jadhav**

Senior Manager, Technology,  
Publicis Sapient.



"Pursuing IIT Delhi's CTO Programme was an enriching experience in my journey toward becoming a CTO. The programme offered clear insights into the role, emphasizing essential areas like AI and Finance. Learning from esteemed faculty like Mr. Vignesh, whose interactive and responsive teaching style was truly inspiring, was a highlight. I highly recommend this certification for anyone aspiring to excel in a CTO role. My experience with Jaro Education was exceptional, with seamless coordination that greatly enhanced my learning journey. As a first-time participant, I appreciated the clarity and support provided throughout the course."

## Programme Coordinator

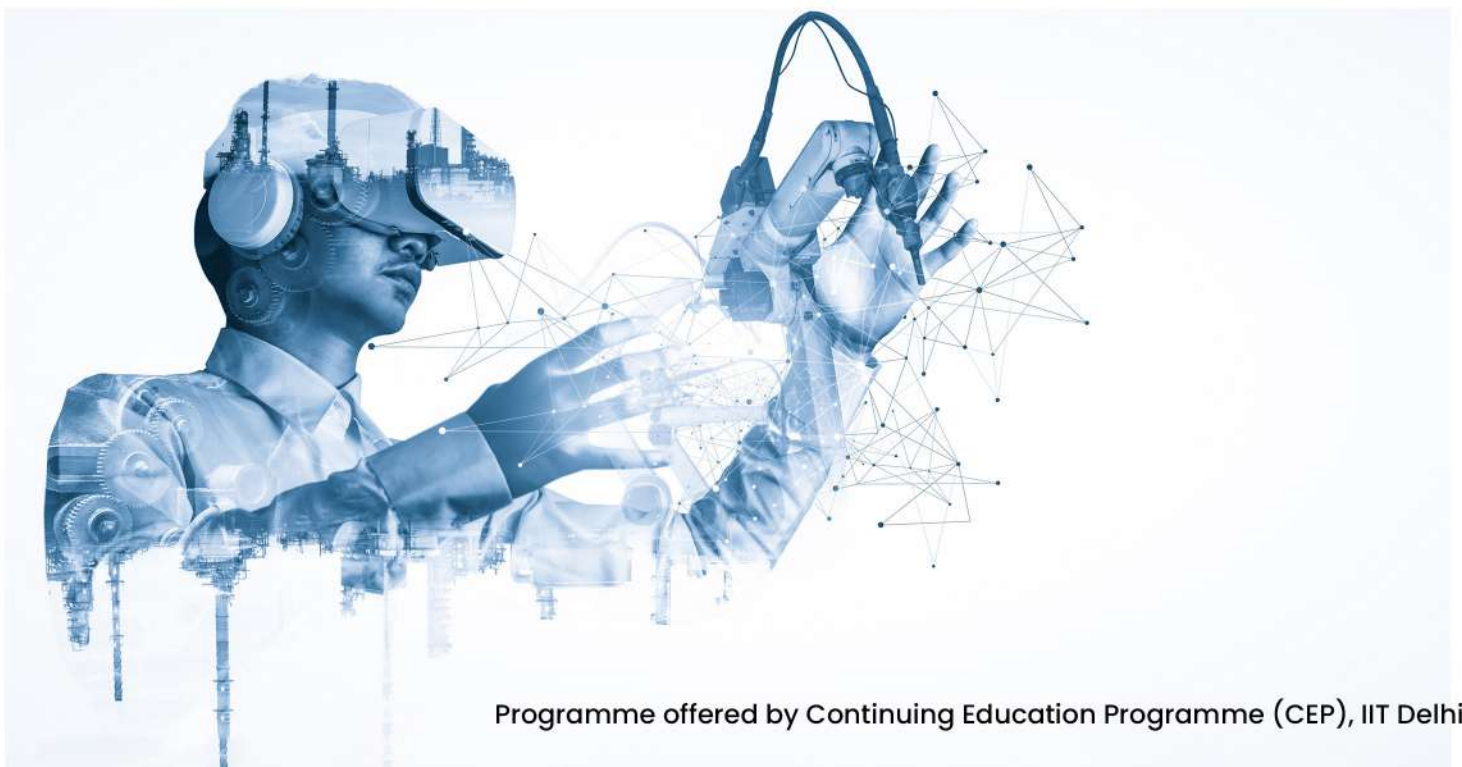


### **P. Vigneswara Ilavarasan**

Abdulaziz Alsagar Chair Professor, Dept.  
of Management Studies,  
Indian Institute of Technology Delhi

P. Vigneswara Ilavarasan (PhD – IIT Kanpur) is Abdulaziz Alsagar Chair Professor at the Dept. of Management Studies, Indian Institute of Technology Delhi. He researches and teaches about the interaction of information and communication technologies (ICTs), society & business.

Dr. Ilavarasan is one of the top 2% of cited scholars in the world in 2022, as per the Elsevier & Stanford study. He has been a Visiting Research Fellow at United Nations University (Macau), Curtin University and the University of Queensland. He is a recipient of the Outstanding Young Faculty Fellowship Award at IIT Delhi and the Prof. M.N. Srinivas Memorial Prize of the Indian Sociological Society. He is also a Senior Research Fellow at LIRNEasia, a leading regional ICT policy and regulation think tank. He has received large research grants from the Department of Science & Technology (Govt of India), ICSSR (India), IDRC (Canada), Oxford Analytica (UK), IPTS (European Commission), CIPPEC (Argentina), Ford Foundation and others. He is currently a Section Editor of Society & Politics, Heliyon (Elsevier & Cell Press). His research has appeared in all the leading international journals and conferences of repute.

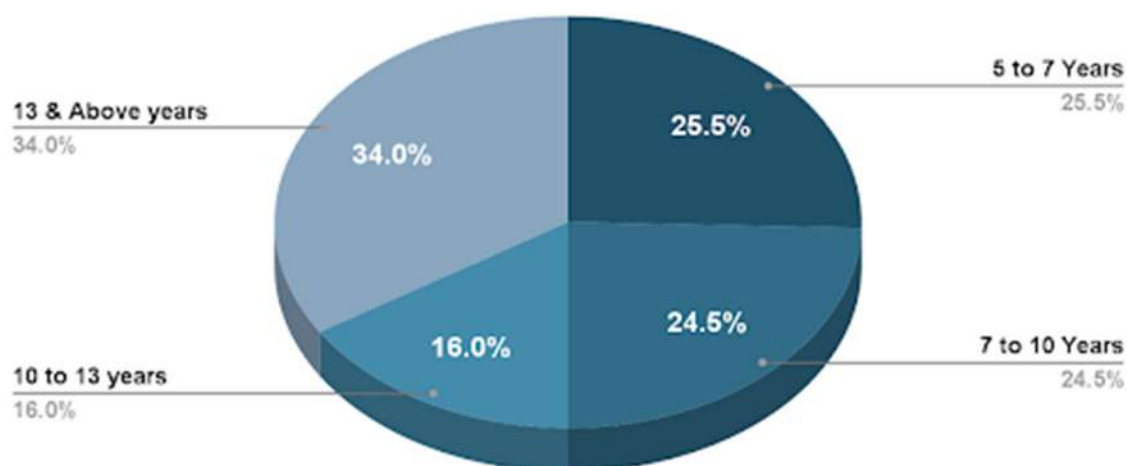


# Participant Snapshot: A Closer Look at Our Latest Cohort's Demographics

## Work Experience

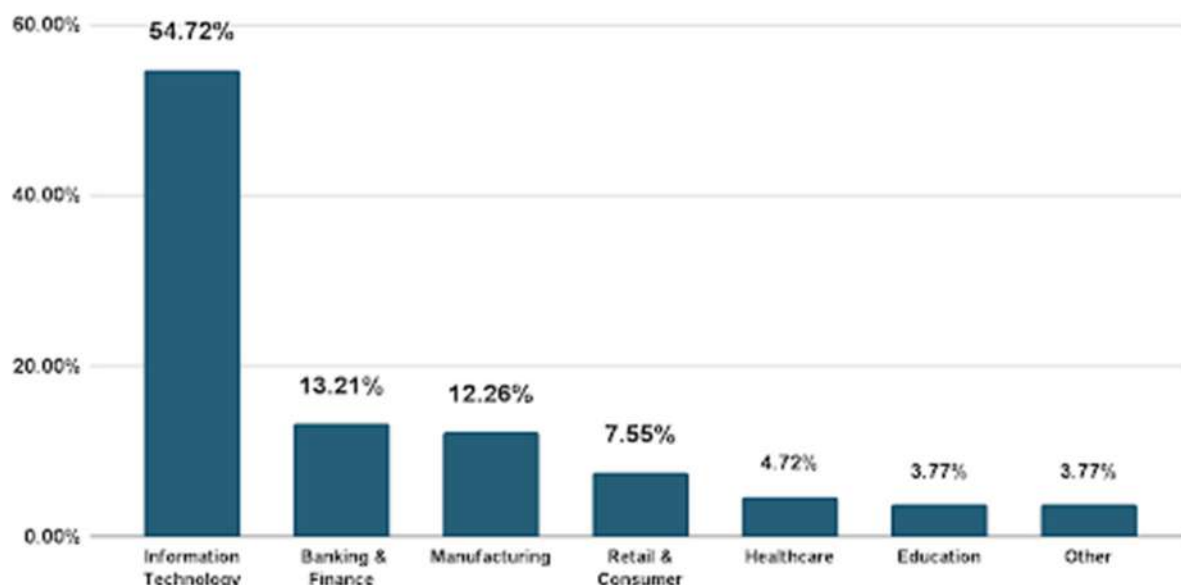
A highly experienced cohort with substantial industry exposure:

Past Experience of Professionals



## Industry Representation

Industry profile of Professionals



## Leading Organizations Where Our Participants Work



McKinsey  
& Company

J.P.Morgan



Rakuten



WELLS  
FARGO

watsonx

HCLTech



accenture



/thoughtworks

Infosys

## Key Roles & Designations

- Chief Technology Officer (CTO)
- Chief Product Officer
- Director
- Senior Vice President (SVP)
- Vice President (VP)
- Associate Vice President (AVP)
- General Manager (GM)
- Head of IT
- Principal Architect
- Technology Lead

### Note:

- Past performance does not guarantee future results.
- All company names are trademarks or registered trademarks of their respective holders. Use of these names does not imply any affiliation with or endorsement by them.
- This is a partial list.

## About IIT Delhi



in Asian University Rankings  
Southern Asia as per  
QS World University  
Rankings (2025)



as per NIRF India Rankings (2024)  
(Management category)

The Indian Institute of Technology Delhi (IIT Delhi) is one of the 5 initial IITs established for training, research and development in science, engineering and technology in India. Established as College of Engineering in 1961, the Institute was later declared as an Institution of National Importance under the "Institutes of Technology (Amendment) Act, 1963" and was renamed as "Indian Institute of Technology Delhi". It was then accorded the status of a Deemed University with powers to decide its academic policy, to conduct its examinations, and to award its degrees.

Since its inception, over 48000 students have graduated from IIT Delhi in various disciplines, including Engineering, Physical Sciences, Management, Humanities and Social Sciences. Of these, nearly 5070 received PhD degrees. The rest obtained a Master's Degree in Engineering, Sciences and Business Administration. These alumni today work as scientists, technologists, business managers and entrepreneurs. There are several alumni have moved away from their original disciplines and have taken to administrative services, active politics, or are with NGOs. In doing so, they have significantly contributed to the building of this nation and industrialization around the world.

# About Continuing Education Programme (CEP)

Executive education is a vital need for companies to build a culture that promotes newer technologies and solutions and builds a workforce that stays abreast of the rapidly transforming needs of the technological, business and regulatory landscape. Committed to the cause of making quality education accessible to all, IIT Delhi has launched Online Certificate Programmes under eVIDYA@IITD (ई-विद्या@IITD): enabling Virtual & Interactive-learning for Driving Youth Advancement@IITD for Indian as well as international participants. These outreach programmes offered by the Indian Institute of Technology Delhi (IIT Delhi) are designed to cater to the training and development needs of various organizations, industries, society and individual participants at national and international level with a vision to empower thousands of young learners by imparting high-quality Online Certificate Programmes in cutting-edge areas for their career advancement in different domains of engineering, technology, science, humanities and management.



SERVICES PROVIDED BY:

**jaro education**

Jaro's Programme Expert

Mr. Mrinal Modak

[mrinal.modak@jaro.in](mailto:mrinal.modak@jaro.in)

8291069737

For any feedback, please write to  
CEP, IIT Delhi at [contactcep@admin.iitd.ac.in](mailto:contactcep@admin.iitd.ac.in)

**APPLY NOW!**

Online Certificate Programmes are offered by the Indian Institute of Technology Delhi under the aegis of Continuing Education Programme (CEP) so that the Institute can realise its vision of serving as a valuable resource for industry and society, and fulfil its mission to develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.