



भारतीय प्रौद्योगिकी संस्थान दिल्ली  
Indian Institute of Technology Delhi

# Advanced Programme in Technology and AI Leadership

*Shape Your Future as a Visionary*

7 Months | Live Online Sessions | 2-day campus immersion



IIT Delhi is Ranked # 4 amongst Management Colleges in India (NIRF 2024)

Programme offered by Continuing Education Programme (CEP), IIT Delhi

# Programme Overview

In dynamic times, smart businesses reinvent to navigate change successfully. In PwC's 27th Annual CEO Survey, Indian CEOs outlined their top three reinvention priorities to create and deliver value. 'Adopting new technologies' came out on top. As per EY's CEO Survey, Indian leaders are implementing AI technologies rapidly into their business agenda with **70% of CEOs planning increased spending on new tech and AI.**

Visionary business leaders are going a step further. They are taking proactive steps to create long-term competitive advantage through strategic use of new technologies. Whether it's using blockchain to digitise supply chains, quantum computing to make better predictions, or Gen AI to fast-track the next big innovation, these leaders are taking giant steps.

Gen AI, in particular, has captivated the imagination of Indian CEOs. Close to 50% of them believe Gen AI will increase revenue and 71% believe it will improve their employees' efficiency. According to a recent Goldman Sachs report, GenAI has the potential to increase global GDP by 7% and boost productivity growth by 1.5 percentage points over a ten-year period.

With technology disrupting every facet of how we create value today, 'tech leadership', once an aspiration, has quickly emerged as a critical success factor for growth, efficiency, and customer experience. In fact, one might argue that today 'tech leadership' is almost synonymous with 'business leadership'. They are two sides of the same coin.

To complement this exciting paradigm shift, **IIT Delhi has launched its Advanced Programme in Technology and AI Leadership.** This programme equips you with the technology strategy, innovation, and leadership skills to thrive in today's dynamic landscape. The curriculum empowers you to become a visionary tech leader, capable of driving successful technology initiatives and navigating the complexities of an ever-evolving environment. Whether you're a tech pioneer, strategist or entrepreneur, this programme strengthens your ability to leverage technology as a catalyst for innovation. Join and gain the edge you need to succeed in the era of digital disruption.



Starts on:  
**December 30, 2024**



Duration:  
**7 Months**



Programme fee:  
**INR 1,69,000 + GST**

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# Why Advanced Programme in Technology and AI Leadership?

- **Master a comprehensive approach to technology leadership** with a focus on AI, ML, digital transformation, blockchain, and quantum computing.
- **Magnify global perspectives and networks** with erudite, ambitious peers from across domains.
- **Make deep industry impact** with learning that's rooted in real-world case studies and exposure to 10+ industry expert sessions.

## Programme Highlights



100% live delivery by renowned IIT Delhi instructors



A guided capstone project by IIT Delhi faculty



Hands-on guidance through no code tools to accelerate tech agility



A two-day immersion at the IIT Delhi campus\*



Access to tried and tested 'practitioner insights' via 10+ sessions by tech leaders



Sharp industry-readiness with real-world case studies

Note:

\*IIT Delhi will not provide accommodation during the campus visit. Learners shall have to arrange for stay on their own.

# Who Is This Programme For

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Whether you're an aspiring tech leader or a functional manager, this programme's focus on technology executive development will support the evolving role of the technology strategy and management in modern-day business.

- **New and emerging tech leaders and IT decision makers** seeking to hone their technology management skills and strategic acumen for driving successful and impactful digital transformations
- **Functional managers in Core business functions** who want to embrace technology to drive up efficiency and innovation and aspire to bigger, more powerful leadership positions and global roles
- **Business consultants, analysts, and tech entrepreneurs** who want to acquire advanced skills to reimagine aspects such as AI strategy, capture new markets, disrupt business models, and build a stronger, more relevant and agile brand with their customers



**“If you don't innovate fast, disrupt your industry, disrupt yourself, you'll be left behind.”**

**John Chambers**

*Chairman Emeritus of Cisco and CEO of JC2 Ventures*

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# Programme Coordinator

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Prof. Arpan Kar is Professor in Information Systems in the Indian Institute of Technology Delhi. He has a joint appointment in the Department of Management Studies and School of Artificial Intelligence. He also supports ministries and universities in advisory boards, assessment and faculty selection committees.

He focuses on adoption, usage, user experiences and impacts of emerging ICTs such as AI/ML, social media, digital platforms, mobile apps, metaverse and blockchain. He has authored over 200 publications and edited 14 books. As per Google Scholar, he has over 17,000 citations and an H index of 58 (August 2024). He is the Editor in Chief of IJIM Data Insights, published by Elsevier. He is a Senior Editor in Decision Support Systems (ABDC A\*). He is Associate Editor in Int. J. of Information Management (ABDC A\*), Communications of the AIS (ABDC A), J. of Computer Information Systems (ABDC A), and Global J. of Flexible Systems Management (ABDC A). Besides these journals, he has been an Editor in special issues for JAIS and MIS Quarterly as well.

He has undertaken over 40 sponsored projects and training programmes with organisations like BASF, PwC, Fidelity, EY, World Bank, Facebook, CIPPEC, Govt. of India (MEITY, DST, MoT, DRDO, MHRD, etc). He has generated revenue exceeding 200 Million INR.

He received the Research Excellence Award by Clarivate Analytics. He is also BK Birla Distinguished Researcher Awardee. He received the Best Seller Award from Ivey / Harvard. He has received more than 20 other awards such as 3 IFIP Best Papers, ACM ICEGOV Research Award, Careers 360 Excellence Award, Tata Consultancy Services Gold Medal, Project Management Institute Award, AIMS Best Researcher, and IIT Delhi Teaching Excellence, etc.



## Prof Arpan Kumar Kar

Professor and Joint Faculty  
Department of Management Studies and School of  
Artificial Intelligence  
Indian Institute of Technology Delhi.

# Industry-Aligned Curriculum

Our holistic curriculum has been designed to meet the multi-faceted demands of the new tech landscape. The goal is to enable participants to balance business vision, tech agility, customer values, operational rigor, and regulatory guardrails.



## Module 01

### **Managing AI and ML for Business**

- Overview of AI, ML and Data Science
- Computational approaches in Artificial Intelligence
- Deep Learning, Computer Vision, and Generative AI
- Hands-on in Machine Learning for Leaders
- Governance and Strategies for Managing Responsible AI



## Module 02

### **Managing Digital Transformation and Strategic Alignment**

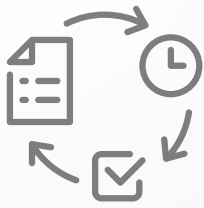
- Technology and Business Strategy Fusion: Strategic Alignment
- Process and Challenges of Digital Transformation
- Planning and executing AI-led Digital Transformation
- Enterprise Systems and Enterprise Architecture



## Module 03

### **Organisational Leadership in the World of AI and DT**

- Talent Acquisition, Development, and Retention Strategies in Technology Teams
- Change Management in Digital Transformation
- Organisation Culture Management and Skill Development in Technology-led Organisation
- Systems Thinking and Design Thinking



#### Module 04

### **Project Leadership and IT Project Management**

- Software Project Management and Agile Paradigms
- Lean Methodologies - Resource Planning and Budgeting
- Orchestrating Deployment: DevOps
- Project Finance, Budgeting, Valuation and ROI



#### Module 05

### **Cyber Resilience and Information Assurance**

- Overview to Cyber Security Threats in an AI Era
- Cyber Vulnerability and Threat Management
- Audits of Cyber Security Initiatives
- Human Factors in Cyber Security



#### Module 06

### **Emerging Digital Technologies and Business Models**

- Cloud Enterprise Systems and Quantum Computing in Enterprises
- Blockchain, Cryptocurrencies and Financial Technologies
- Digital Platforms and Platform Economy
- Leveraging Emerging Technologies for Digital Content Management in Search Engines -- Google case-study
- Mixed Reality (MR) and Extended Reality (XR)

**Note:**

-Modules/ topics are indicative only, and the suggested time and sequence may be dropped/ modified/ adapted to fit the total programme hours. Case studies, real world examples and numerical illustrations are an integral part of multiple modules included in the course.

-The primary mode of learning for this programme is via live online sessions with faculty members.

-Post session video recordings will be made available until the course duration.

# Capstone Project

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- Part A: Emerging Technology Deep Dive
- Part B: Emerging Technology Readiness Assessment

## Forge Your Tech Leadership Path with a Collaborative Capstone Project

Supercharge your learning by tackling a real-world technology challenge or opportunity facing your organisation. In this team-based capstone project, you'll leverage the collective power of:



### **Classroom knowledge:**

Apply foundational and cutting-edge tech concepts.



### **Expert insights:**

Gain valuable perspectives from esteemed faculty and guest speakers.



### **Peer collaboration:**

Learn and grow alongside diverse classmates.

## Campus Immersion

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This immersive experience combines cutting-edge technological education with hands-on leadership training, providing participants with a unique blend of theoretical knowledge and practical application. The immersion includes workshops, seminars, and real-world projects, guided by industry experts and IIT Delhi's esteemed faculty.

**Together, you'll develop a concrete, actionable solution and create a strategic road map informed by expert and peer feedback. This immersive experience will refine your technology leadership skills and equip you to present your project's valuable learnings with confidence.**

## Tools Included

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*Note: All product and company names mentioned in this material are trademarks or registered trademarks of their respective holders. Their use does not imply any affiliation with or endorsement by them.*





# High-Impact Learning Journey

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## Deepen your Intellectual Capital

- World-class curriculum and teaching by leading faculty
- Peer-to-peer interaction and collaboration



## Manage Your Brand Capital

- Industry-recognised, top-ranked IIT education on your resume



## Enhance Your Career Capital

- Accelerate your technology leadership career with cutting-edge insights
- Learn while you earn and make new life-long connections with experienced global peers

**“The future of AI is going to be about creating systems that are not just smart, but also safe, ethical and transparent.”**

**-Mark Zuckerberg, Facebook**

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# Programme Certificate

Participants who score at least 40% in the evaluation components and maintain a minimum of 40% attendance in both lectures and tutorials will be awarded a completion certificate. Participants who are unable to score 40% in the evaluation components will be eligible for a participation certificate if their attendance is above 40% in both lectures and tutorials.

We encourage you to attend all the live sessions and make the best out of these interactive learning experiences. Post session video recordings will be made available until the course duration.

Programme Code: .....

 **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 successfully completed 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 (ई-विद्या@IITD)



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Note: :-All certificate images are for illustrative purposes only and may be subject to change at the discretion of IIT Delhi.

-Only e-certificate will be issued by CEP IIT Delhi.

-The organising department for this programme is the Department of Management Studies.

# Strategic Learning Outcomes

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This programme doesn't just build proficiency in new technology. It also helps participants grasp the connection between technology, strategy, and operations, so they can run a competitive, efficient, safe, and resilient organisation in these volatile times, through the power of new technology.



## **Decide**

Assess emerging technologies to outline new possibilities and create relevant action items for strategic advantage.



## **Disrupt**

Integrate cutting-edge platforms and ecosystem strategy to solve complex business challenges and enhance innovation within your organisation.



## **Democratise**

Cultivate an environment that encourages innovation, continuous learning, and adaptive thinking to stay ahead in the evolving tech landscape.



## **Thrive**

Drive tech projects using agile methods, ensuring efficient delivery, strategic alignment and financial accountability.



## **Protect**

Proactively identify, assess, and mitigate technology-related risks, ensuring robust cybersecurity and operational resilience.

**“Generative AI is the most powerful tool for creativity that has ever been created. It has the potential to unleash a new era of human innovation.”**

**Elon Musk, Tesla**

# Programme Details

**Programme Fee**      INR 1,69,000 + GST

**Class Schedule**      Sunday, 6:00 pm to 9:00 pm

	Instalment 1	Instalment 2	Instalment 3
Remarks	Within 5 days post-selection	Dec 24, 2024	Mar 24, 2025
Amount	INR 33,800 + GST	INR 67,600 + GST	INR 67,600 + GST

Note:

- The actual programme schedule will be announced closer to the programme start.
- GST (currently @ 18%) will be charged extra on these components.
- Postage charges for books and study materials sent to locations outside of India will be paid for by the student.
- Loan and EMI services are provided by Eruditus Learning Solutions Pte Ltd, and IIT Delhi is not responsible for the same.

## Eligibility

Graduate (10+2+3) or Diploma holders (Only 10+2+3) from a recognised university (UGC/AICTE/DEC/AIU/State Government/recognised international universities) are eligible to apply.

## Attendance

40% attendance is a prerequisite for successful completion.

## Evaluation

The methodology is at the discretion of the faculty and includes online exams, case analyses, class contribution, assignments, and other components. Participants will have to secure the minimum pass marks in the respective components.



# Programme Details

## Programme Schedule

Duration	7 Months
Technical Orientation	December 30, 2024
First Academic Session	January 19, 2025
Programme Fee	<b>INR 1,69,000 + GST</b>

*Note:*

- *The actual programme schedule will be announced closer to the programme start.*
- *GST (currently @ 18%) will be charged extra on these components.*
- *Loan and EMI services are provided by Eruditus Learning Solutions Pvt Ltd, and IIT Delhi is not responsible for the same.*

## Programme Schedule

Last Date to Apply	Dec 03, 2024
Shortlisted Candidates Will Be Informed by	Dec 10, 2024
Last Date to Submit the Fee	Within 5 days post selection

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



# Application Requirements

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## Graduation and Post-Graduation Education:

- Consolidated Graduation Marksheet (All Semester)
- Final year students may submit the marksheets up to the previous semester

## ID Proof:

- Any Government-issued photo ID like PAN Card/ Driving License/ Passport, etc.
- Submission of passport-size photo during application is mandatory

# System Requirements

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This programme includes online learning classes conducted on Zoom. To attend an online learning class you will need to have a PC/ Laptop/ Mac with:

- Speakers and microphone: built-in or a USB plug-in or wireless Bluetooth
- Webcam: built-in or USB plug-in
- Processor: with Dual Core 2Ghz or higher (i3/ i5/ i7 or AMD equivalent)
- RAM: 4 GB or higher
- OS: Either MacOS 10.7 or higher OR Windows 8 or higher
- An internet connection: Minimum bandwidth of 3.0 Mbps (up/ down)
- Browser: IE 11+, Edge 12+, Firefox 27+, Chrome 30+
- Zoom software client installed on your PC/ Laptop/ Mac

We use the Zoom software application to conduct online learning classes. Zoom works on a variety of PCs/ Laptops/ Mac systems and also on phones and tablets.

You can join your online learning class from a phone or tablet if it supports the Zoom client.

We recommend that you attend classes from a PCs/ Laptops/ Mac.

# Withdrawal and Refund from Programme

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

# About IIT Delhi

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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 own academic policy, to conduct its own examinations, and to award its own degrees. Since its inception, over 48000 have graduated from IIT Delhi in various disciplines including Engineering, Physical Sciences, Management and Humanities & 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 who have moved away from their original disciplines and have taken to administrative services, active politics or are with NGOs. In doing so, they have contributed significantly to the building of this nation, and to industrialisation around the world. For more details, please visit: [www.iitd.ac.in](http://www.iitd.ac.in)

## About Continuing Education Programme

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Executive Education is a vital need for the organisations to build a culture that promotes newer technologies and solutions and builds a workforce that stays abreast of the rapidly transforming needs to 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 organisations, 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. For more details, please visit: <http://cepqjp.iitd.ac.in>

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**APPLY NOW**

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For registration and any other information,  
please get in touch with us at [iitd.execed@emeritus.org](mailto:iitd.execed@emeritus.org)

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

 [WhatsApp an Advisor On +91 86570 38243\\*](https://wa.me/918657038243)

\*This number does not accept any calls. Please message your queries.



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.

**Programme offered by Continuing Education Programme (CEP), IIT Delhi**