



भारतीय प्रौद्योगिकी संस्थान दिल्ली
Indian Institute of Technology Delhi



ONLINE

ASSISTANCE

PORT



Lead the Way in Shaping the
Future of Technology!

CHIEF TECHNOLOGY OFFICER PROGRAMME

Offered by CEP, IIT Delhi

10 Months | Live Online Lectures

Starts on: 6th April 2024

\$5.1 trillion

Expected growth in Worldwide IT spending
by 2024

*Gartner, CIOSEA News, ETCIO SEA

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.
- Develop and implement robust measures to safeguard sensitive data.

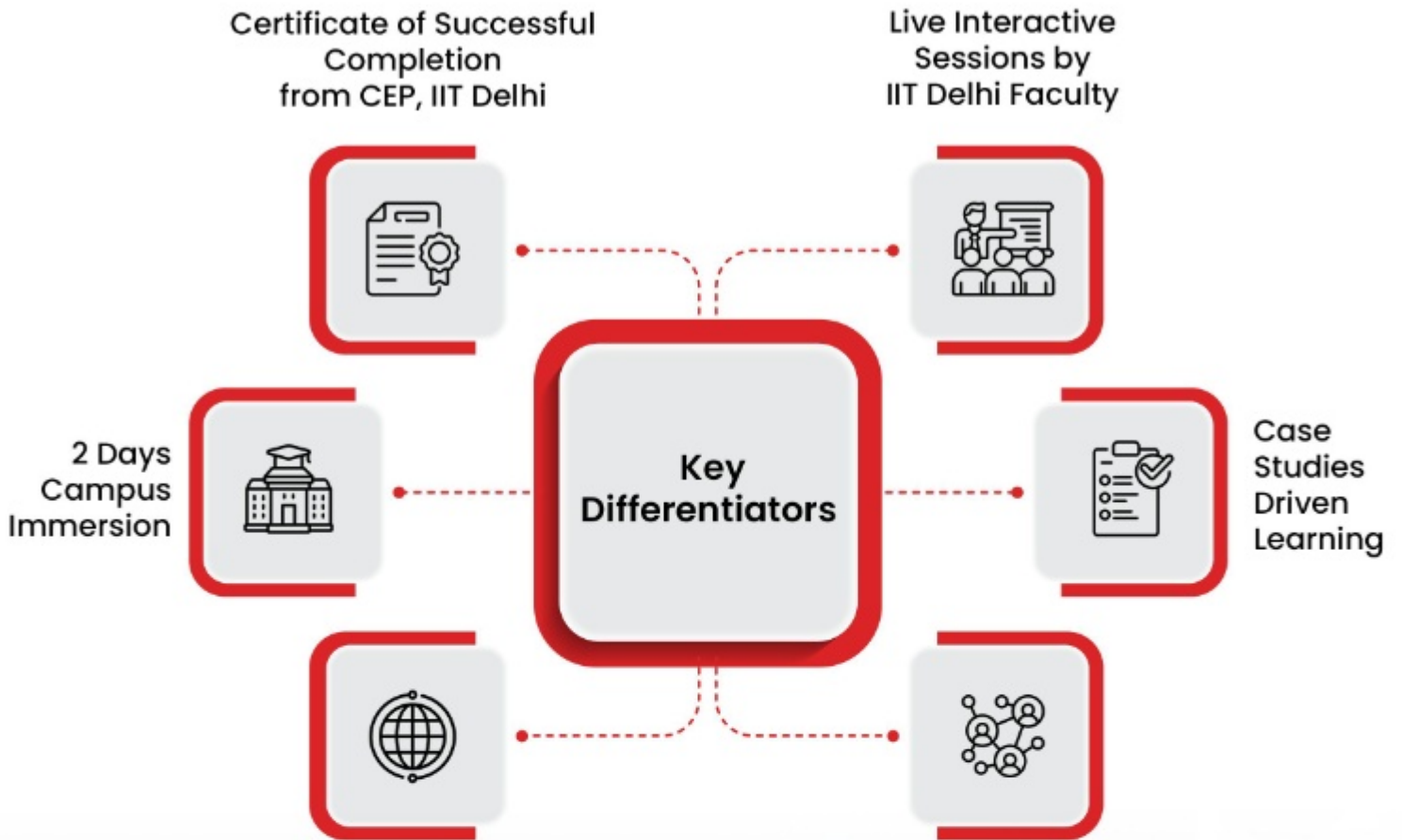
In navigating these challenges, CTOs play a pivotal role in shaping the technological landscape of India and contributing to global technological advancements.

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



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

- Strengthen core leadership skills
- Build strategic and functional responsibilities of a CTO, CDO
- Explore strategy, ideation, and adaptation in technology
- Create a Tech-Led Competitive Advantage for their organization
- Shape the R&D strategy and portfolio of an organization based on a set technology roadmaps and R&D execution
- Master system dynamics modelling approach to model technical innovation



Rise in the 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 Operating Models
- ▶ Business-IT Strategic Alignment

Emerging Technologies – Blockchain, AIML, Digital Twins, Generative AI

- ▶ Emerging Technologies 101: Blockchain, AIML, Digital Twins, Generative AI
- ▶ Applications for Competitive Advantage
- ▶ Challenges

Enterprise Architecture and IT Infrastructure

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

Managing and Implementing Complex IT Projects

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

Digital Transformation and Change Management

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

Programme Content

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 Platform Business Models

- ▶ Platform Business Strategies
- ▶ Ecosystem Development
- ▶ Platform Governance

Managing Hybrid Enterprises

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

Programme Content

Crisis Management

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

Cybersecurity, Risk, and Compliance Management

- ▶ Cybersecurity Frameworks
- ▶ Incident Response Planning
- ▶ Risk Assessment and Management
- ▶ Compliance and Regulatory Challenges

Technology Policy, Privacy, and Security

- ▶ Privacy by Design
- ▶ Regulatory Compliance
- ▶ Security Policies and Standards

Leading Teams & Organizational Dynamics

- ▶ Chief Digital Officers & CXOs
- ▶ Team Dynamics and Collaboration
- ▶ Leadership in Remote Work Environments

Automation & the Future of Work

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

Best Practices from 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 as per IIT Delhi's discretion.

Programme Details



Application Closure Date | 25th March 2024

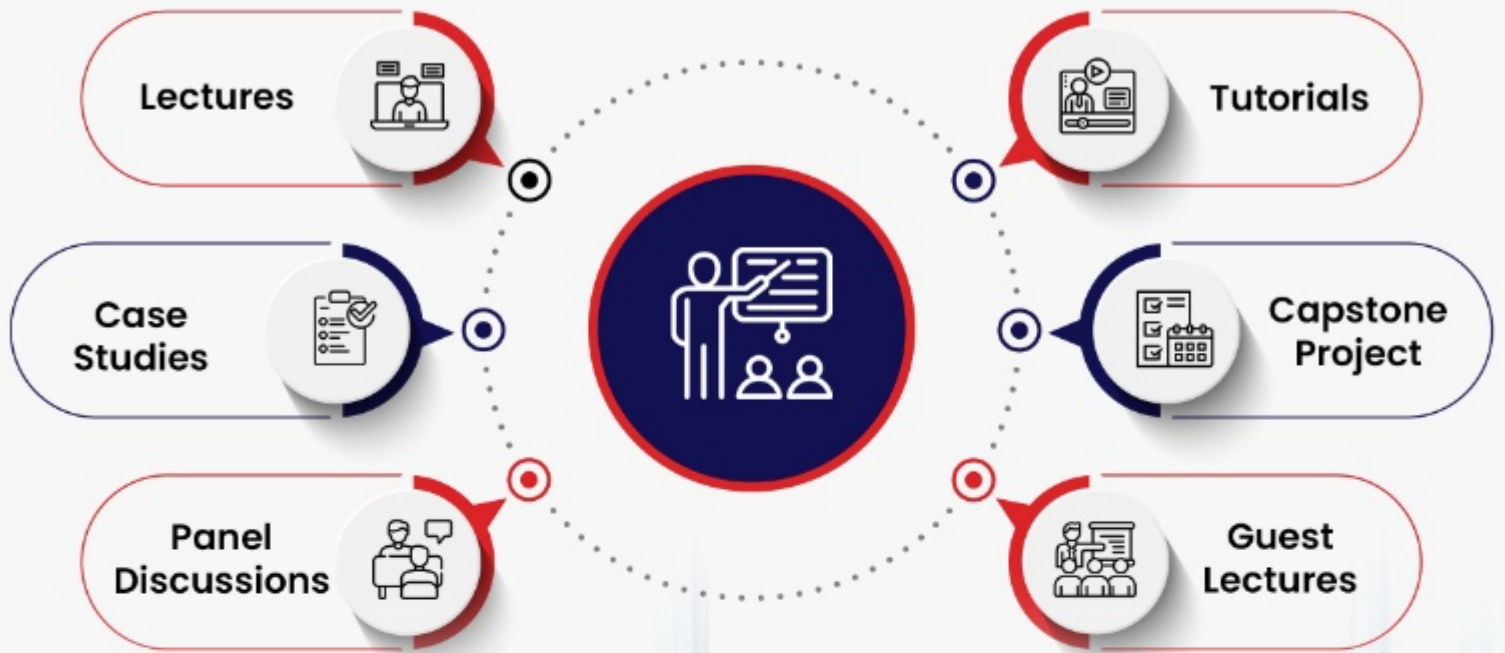
Commencement Date | 6th April 2024

Duration	10 Months 33 Sessions 100 Hours of Learning		
Delivery	Live Online Sessions delivered through Direct-to-Device (D2D)		
Screening & Selection	Screening and selection will be done by IIT Delhi		
Eligibility	Graduation (10+2+3) from a recognized university (UGC/ AICTE/ DEC/ AIU/ State Government/ recognized international universities) in any discipline with a minimum 5 years of working experience		
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"		
Session Timings	Saturday, 05:00 pm to 08:00 pm		
Assessment			
One Mid-Term Exam 25% (weightage)	One End-Term Exam 25% (weightage)	Capstone Project 25% (weightage)	Assignments 25% (weightage)

Note:

- 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 - 70% attendance is mandatory.

Pedagogy



PROGRAMME FEE STRUCTURE

TOTAL PROGRAMME FEE

**INR 2,25,000/-
+ GST**

INSTALMENT PATTERN

Instalment 1: INR 1,00,000/- + GST
3 days from release of offer letter

Instalment 2: INR 1,25,000/- + GST
4th June 2024

Easy EMI Options Available*

*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 and 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.'

The certificate is from the Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016. It is for a Continuing Education Programme on a specific title. The text states: '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.' The certificate is signed by the Programme Coordinator, Head of the Department, and Head/Associate Head, QIP/CEP. It includes a QR code and the text 'An initiative under eVODYAGATD (e-Reggato)'.

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

The certificate is from the Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016. It is for a Continuing Education Programme on a specific title. The text states: '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.' The certificate is signed by the Programme Coordinator, Head of the Department, and Head/Associate Head, QIP/CEP. It includes a QR code and the text 'An initiative under eVODYAGATD (e-Reggato)'.

- 70% attendance is mandatory.
- 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 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.



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 interaction of information and communication technologies (ICTs), society & business.

Dr. Ilavarasan is one of the top 2% 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 University of Queensland. He is a recipient of the Outstanding Young Faculty Fellowship Award at IIT Delhi. and 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 Dept 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.

About IIT Delhi



as per NIRF India
Engineering Rankings
(2023)



IITD is ranked
as per QS World University
Rankings (2024) in India



as per ARIIA
Ranking (2021)

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 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 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 significantly contributed to the building of this nation and to 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 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.

Services provided by

jaro education

Jaro Programme Expert

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For any feedback, please write to CEP IIT Delhi at
contactcep@admin.iitd.ac.in

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.