भारतीय प्रौद्योगिकी संस्थान दिल्ली
Indian Institute of Technology Delhi
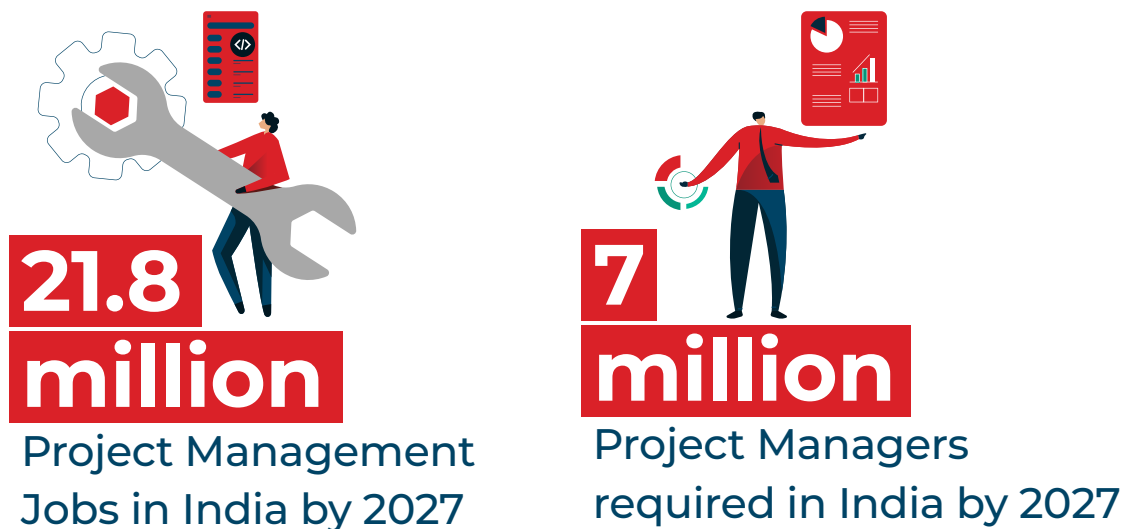

Executive Programme in Advanced Project Management Batch 03

6 Months | Starts 23rd March, 2025 | Live Online Lectures

Project Management Scope in India

The Indian economy has become more project-oriented with major policy initiatives such as 'Make in India', 'SMART Cities', 'Stand-Up India', 'Digital India', and mega infrastructure development projects like ports, railways, airports, highways, etc.

Clearly, demand is high for practitioners with the necessary mix of competencies—a combination of technical, management, and leadership skills. A PMI report cited in the Economic Times, says that by 2027, India will have the second-largest number of project management-oriented jobs in the world, behind China.

21.8 million
Project Management Jobs in India by 2027

7 million
Project Managers required in India by 2027

Source: economictimes.indiatimes.com

This is a clarion call for working professionals who are currently in project management roles, or others wishing to transition into such roles, to upgrade and upskill themselves with knowledge and skills benchmarked to global standards, in this critical and growing field.

Programme Overview

"Great projects are not just delivered—they are crafted through strategic alignment, innovation, and leadership."

Welcome to **IIT Delhi's Executive Programme in Advanced Project Management (EPAPM) -** Batch 03! In today's fast-paced and project-driven economy, effective project management has become a cornerstone for successful businesses. This programme is designed to empower professionals with advanced tools and methodologies to excel in managing complex projects across industries. Through this 6-month programme, you will master project management fundamentals, including strategic alignment with organisational goals, resource management, and project risk management, while developing skills to lead projects from planning to closure. Explore agile practices and advanced strategies for building high-performance teams, managing communication, and resolving conflicts to excel in dynamic project environments.

Whether you are a seasoned project manager seeking to refine your expertise or an aspiring professional aiming to transition into this dynamic eld, IIT Delhi's EPAPM will elevate your project management capabilities, preparing you for leadership roles in a rapidly evolving global landscape.

Join us and transform your approach to project management with insights from one of India's top-ranked institutions.

Programme Highlights

A Programme from the Department of Management Studies, IIT Delhi; DMS is ranked #4 in NIRF (2024) and IITD is ranked #2 as per QS World University Ranking 2024 in India

6-month, online programme for working professionals

Peer-learning and networking opportunities

3 hours sessions per weekend

IIT Delhi Continuing Education Programme (CEP) Certificate

Hands-on experience using Primavera P6

Experiential Learning with Harvard Case Studies

Learning Outcomes

Develop a comprehensive understanding of project management principles, including strategic alignment, resource management, and risk management.

Acquire hands-on skills to effectively plan, monitor, and control projects using agile methodologies, ensuring high-quality outcomes and timely delivery

Lead high-performance teams by improving communication, managing resources, and resolving conflicts.

Navigate project outsourcing and contracts to ensure successful stakeholder collaborations.

Enhance your career prospects as a strategic project management leader across industries.

Who should attend?

- Professionals working or aspiring for a role as project manager
- Graduates or post-graduates seeking a career in this growing industry
- Project managers who want to upgrade their skills and knowledge to manage complex projects more effectively
- Entrepreneurs who want to manage their projects more effectively and efficiently

Programme Curriculum

Module	Topics
Introductions to Project Management	a. Project Lifecycle b. Current Drivers of Project Management c. Project Governance d. Project Management Processes and Their Classification e. Project Integration Management
Organization Strategy & Project Management	a. Strategic Management Process b. Project Portfolio Management c. Financial Models to Evaluate Project Feasibility d. Managing the Portfolio System e. Project Management Structure and Organisation Culture
Project Planning	a. Project Scope and Priorities b. Work Breakdown Structure (WBS) and Integration c. Responsibility Matrices d. Estimating Project Times and Costs e. Methods for Estimation f. Critical Path Method g. Crashing in CPM h. Project Evaluation Review Technique i. Monte Carlo Simulation Methods in Project Management
Project Scheduling	a. Resource Scheduling Problem b. Types of Resource Constraints c. Classification of Projects Based on Resources d. Resource Allocation Methods e. Benefits of Scheduling Resources f. Multiproject Resource Schedules g. Developing Project Cost Baseline

Module	Topics
Critical Chain Project Management	a. Theory of Constraints b. Critical Chain Solution to Project Scheduling c. Critical Chain Activity Network d. Critical Chain Project Portfolio Management
Project Budgeting	a. Cost Management Basics and Cost Estimation b. Creating a Project Budget c. Top-down and Bottom-up Budgeting d. Activity-based Costing e. Budget Uncertainty and Risk Management f. Risk Management Process g. Risk Breakdown Structure h. Contingency Planning i. Opportunity Management j. Change Control Management k. Risk Management Tools and Risk Mitigation Strategies
Real Options Valuation	a. Basics of Financial Management b. Options c. Futures and Contracts d. Real Options e. Real Options in Project Management f. Advantages of Using Real Options in Project Management
Project Team Building and Leadership	a. Project leadership b. Managing Project Stakeholders c. Social network building d. Team development models e. Building high performance project teams f. Managing virtual project teams g. Project team pitfalls
Digital Communication and Collaboration for multi-geographical teams	a. Enhancing Virtual Communication through Digital Collaboration Tools b. Virtual Project Team Management Strategies c. Best Practices for Digital Presentations and Reporting in Projects d. Global Issues in Project Management

Module	Topics
Project Management Control, Monitoring, and Information Systems	a. The Planning-Monitoring-Controlling cycle b. Monitoring Project Performance c. Earned Value analysis and Indexes d. Purposes of Project Control e. Control of change and scope creep
Agile project Management	a. Traditional Versus Agile Methods b. Steps in Agile PM c. Agile PM in Action: Scrum d. Applying Agile PM to Large Scale Projects e. Limitations and Concerns f. When to Opt for Agile PM? g. Advanced Topics in Agile PM and Use Cases in Agile PM

Project outsourcing and contracts	a. Transactions cost theory and the theory of firms
	b. Outsourcing project work
	c. Best practices in outsourcing
	d. Managing customer relations
	e. Contract Management –
	   i. Fixed Price Contracts
	   ii. Cost Plus Contracts
	   iii. Contract Management Control System

Data-Driven Decision Making and Analytics in Project Management	a. Data analytic methods in project management b. Data analytics applied to Project Selection c. Resource Assignment, Resource Scheduling, and Project risk management d. Use Cases of Data driven decision making in project management
Digital Transformation in Project Management	a. Applications of AI and Machine Learning Techniques in Project Management b. Use Cases for Machine Learning and AI for issues in project Management c. Impact of Digital Tools and Software on Project Efficiency (e.g., Jira, Asana, MS Project) with hands-on training

Project Auditing and Closure	a. Project Audit b. Project Audit life cycle c. Audit report d. Types of project closure e. Wrap-up closure activities f. Post-Implementation evaluation g. Retrospectives

Programme Details

Eligibility
Graduates at least (10+2+3) in any stream from a recognised University

Delivery
Live Online Sessions
Direct 2 Device (D2D)

Duration
6 Months

Class Schedule
Sunday, 10:00 AM to 01:00 PM

Admission Criteria
Selection based on application review

Evaluation
Evaluation is project based.
Certificate of completion criteria: Attendance, case studies, quizzes, assignments, and project completion

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

Certification*

- Candidates who score at least 50% marks overall and have minimum attendance of 60% will receive a 'Certificate of Successful Completion' from CEP, IIT Delhi.

- Candidates who score less than 50% marks overall and have minimum attendance of 60% will receive a 'Certificate of Participation' from CEP, IIT Delhi.

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

Only e-certificates will be issued by CEP, IIT Delhi.

Programme Coordinator

DR. PRASANNA

Assistant Professor
Department of Management Studies
Indian Institute of Technology Delhi

Dr. Prasanna is an Assistant Professor of Operations at the Department of Management Studies, Indian Institute of Technology Delhi. He is a Fellow in Production and Quantitative methods from the Indian Institute of Management Ahmedabad and a post-doctoral fellow from John Molson School of Business, Concordia University, Canada. Prior to his fellow degree, he worked at Mahindra Auto Sector where he obtained a rich industrial experience in New Product Development, Project Management, and Manufacturing & Supplier Quality Assurance. His research broadly falls into applications that include, Project and Process Management, Business Analytics, Supply chain logistics, and Network Design Applications. He has been associated with projects under the Ministry of Tribal Affairs, Archaeological Survey of India, and Food Corporation of India, and has also conducted similar CEP, MDP, and TEQIP programmes.

Programme Fee

Particulars	Amount (₹)
Application Fee*	2,000/-
Programme Fee (Excluding Application fee)	1,10,000/-
GST @18%	19,800/-
Total Fees	1,29,800/-

Note:

- *GST will be additional as applicable.

- The application fee is not included in the programme fee. Once paid, the application fee of ₹2,000 is non-refundable.

- All fees should be submitted in the IITD CEP Account only, and the details will be shared post-selection.

- The receipt will be issued by the IIT Delhi CEP account for your records.

- Easy EMI options available.

- Loan and EMI services are provided by TimesPro. IIT Delhi is not responsible for the same.

Withdrawal and Refund

- 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 icare@timespro.com, stating your intent to withdraw. The refund, if applicable, will be processed within 30 working days from the date of receiving the withdrawal request.

Instalment Schedule

Instalment	Instalment Date	Amount (₹)*
I	Within one-week of offer-rollout	35,000/-
II	10th May, 2025	35,000/-
III	10th July, 2025	40,000/-

**GST @18% will be charged extra in addition to the fee.

Programme Timelines

Application Closure Date	1st December, 2024
Programme Start Date	23rd March, 2025
Programme End Date	September 2025

APPLY NOW

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 the College of Engineering in 1961, the Institute was later declared 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, conduct its own examinations, and award its own degrees. Since its inception, over 48,000 students have graduated from IIT Delhi in various disciplines including Engineering, Physical Sciences, Management, and Humanities & Social Sciences. The management department of IIT Delhi is ranked 4th among all B-Schools in management education in terms of national rankings (NIRF rankings by Ministry of Education) and 3rd in international rankings (QS rankings).

For more details, please visit: www.iitd.ac.in

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 in 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 and 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 levels 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://cepqip.iitd.ac.in

4th in NIRF Ranking 2024 (Management)	**4th** in Outlook ICARE Rankings 2022 (Engineering)	**2nd** in QS World University Rankings 2024 in India

Opus Park, 5th and 6th floor, Opp. SEEPZ Main Gate, Plot No. F-21, MIDC Central Rd, SEEPZ, Andheri East, Mumbai - 400093, India.

1800-120-2020
admissions@timespro.com
www.timespro.com

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.