

# PROJECT MANAGEMENT

DURATION: 3 DAYS

## PROGRAM CONTEXT

Complex, technically demanding projects in terms of scope, technologies and regulatory requirements are generally delivered to customers through contractual arrangements involving clients, project management consultants, contractors and sub-contractors. Since these projects are developed in an increasingly challenging environment, a solid understanding of the tendering/contracting process is critical for proper management of projects. The various phases of project management cycle are: project formulation, negotiation, design, documentation, implementation, tracking, monitoring, control and closure.

Many of the projects have failed not due to lack of technical expertise but due to inaccuracies, ambiguities or inconsistencies in the design of project and coordination failure by the team leaders and managers. Understanding the legal underpinnings of projects and managing risks to both technical and contractual delivery is critical to success. Effective project planning, monitoring and control can reduce costs, minimize risks and ensure timely completion of the project. This course is designed to impart necessary skills in managing small and large projects (e.g. turnkey and lump-sum turnkey projects) in different domains like construction, infrastructure, power plants, irrigation, industry, etc.

## LEARNING OBJECTIVES

The objective of the program is to acquaint the participants with practical, in-depth guidance for carrying out vital responsibilities of project management and handling uncertainties that typically arise during the life of the project. This course exposes participants with various effective approaches for analyzing project initiation, project planning, project execution and smooth project termination along with behavioral aspects of project management.

## DELIVERABLES – THE PROGRAM THEMES

The deliverables are mentioned below. Further, PERT/CPM, Crashing Analysis, Resource Levelling and Earned Value Management will be carried out in MS-Project Software.

- Project Portfolio Management Systems
- Initiating a Project (Project Charter, Feasibility Analysis: Go/No-Go, Identifying Stakeholders)
- Project Scope Management (Collect Requirements, Define Scope, Create WBS)
- Project Schedule Management/Network Techniques (PERT/CPM)
- Project Budgeting and Cost Management (Estimate Budget and Costs)
- Resource Allocation, Resource Levelling
- Cost versus Time Trade-Off (Crashing) Analysis
- Project Management Information Systems
- Earned Value Management
- Contract Management
- Project Risk Management
- Leadership: Being an Effective Project Manager
- Managing Project Teams, Managing Conflicts and the Art of Negotiation
- Critical Chain Project Management
- Agile Project Management
- Ethics in Project Management

## PEDAGOGY

The methodology would include an appropriate mix of lectures, experience sharing, discussions, case studies, group activities and hands-on with MS-PROJECT software.

## AUDIENCE

Decision makers, senior and middle level managers involved in planning, implementing and monitoring of projects in power plants, refinery sectors, infrastructural sectors, IT sector, etc. would benefit from this program.

## ADMINISTRATIVE DETAILS

**DURATION :** Three days  
**FEE (mode) :** 35,000 (on-campus) and INR 25,000 (online)

## PROGRAM DIRECTOR



### Prof. Mrinalini Shah

Prof. Mrinalini Shah is a seasoned professor in the field of Supply chain & Decision Sciences. Prof. Shah’s educational background is truly interdisciplinary which gives her a vast canvas for teaching, training & research in the field of Decision Sciences, Operations Strategy and Digital supply chain and analytics. Prof. Shah has won state, national & international scholarship for merit throughout her study. She is trained from Harvard Business School in education Management. She is trained and certified as Entrepreneurship Educator by NEN, IIMB & Stanford joint program of two-year duration.

Prof. Shah is founder chairperson of Entrepreneurship cell & incubation centre at IMT Ghaziabad. Prof. Shah was nominated as coveted ICCR Chair professor by republic of India to Republic of Greece and served at Athens university of Economics & Business. Prof. Shah has served as mentors and advisors of many start-ups. She has vast research publications in refereed international journals, presented papers and chaired the sessions nationally and internationally.

Her hobby includes trekking, cooking and reading (literature, spiritual, stories anything). She is presently learning photography as an amateur and believes life is all about upskilling.

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