

# PROJECT MANAGEMENT

## Introduction

Project Management is the art of directing and coordinating all kinds of resources throughout the life of a project by using modern management techniques to achieve predetermined objectives of scope, cost, time, and quality and customer satisfaction. It ensures effective planning, execution, procurement, cost control, human resource management, occupational health and safety management for project success.

This program aims to provide inputs on overall project management concepts and scheduling tools and techniques. By the end of this program participants will be able to understand the ten knowledge areas of project management and apply the concepts for project planning, execution and control, risk management and procurement management to various projects.

## Objectives of the Program

The objectives of the program are:

1. To provide an understanding of the concepts of project management.
2. To understand project lifecycle phases such as defining, planning, executing and closing.
3. To discuss ten knowledge areas of project management.
4. Apply project scheduling techniques in deterministic and probabilistic contexts.
5. Apply resource allocation and levelling techniques.
6. Understand earned value analysis as a project monitoring and control tool.
7. Plan a project and perform earned value analysis using MS Project.
8. Understand different types of project procurement approaches and contracts.
9. Identify project risks and different risk response actions.
10. To learn tools and techniques useful for project risk management.
11. This program is intended for project professionals like project managers, project team members, project planners and project procurement managers who are involved in planning, coordination, and execution of projects.

## Pedagogy of the Program

The program includes several learning methodologies, including interactive lectures, case studies, excel and MS Project exercises. Participants will be motivated to describe their experience in managing projects and class room discussions will be initiated to link the management practices with project management theory. Case and examples from the industry will be included for the class room exercises and as examples.

## Indicative Content of the Program

1. Introduction to Project Management
2. Project life cycle phases, overview of ten knowledge areas of Project Management
3. Project scope management, work break down structure
4. Project planning and scheduling techniques like CPM and PERT
5. Crashing in project network
6. Project resource allocation and leveling
7. MS Project/Excel exercise
8. Project monitoring and control
9. Project risk management
10. Simulation for risk analysis
11. Project procurement approaches and contract management

**Program Director: Prof. Vijaya Dixit & Prof. Pritee Ray**

**Fees (Per Candidate):Rs 27300+GST (Non Residential-In Campus),Rs 21000+GST(Online)**

**Proposed Dates:October 03 to 04,10,2021**