ADVANCED PROJECT MANAGEMENT

PRM008

COURSE DESCRIPTION

Project management is growing exponentially. It is now used in virtually all industries. Projects are how these organizations streamline to improve productivity and often require resources that are not under the direct control of the project manager. Therefore, the project manager will need to work with the relevant line manager to control these resources as and when they are required in order to reduce the deviation between actual performance and planned performance. This five-day course covers the major aspects of project planning and control: Tracking the progress of the project, evaluating performance vs. plan, and correcting discrepancies between planned and actual progress.

COURSE GOAL

To enhance the participants' knowledge, skills, and abilities necessary for the proactive planning and control of projects.

COURSE OBJECTIVES

By the end of this course, participant will be able to:

- Plan their project and control it's progress.
- Control the project's cost and man-hour.
- Understand the project services.
- Use the computerized project control Systems.

WHO SHOULD ATTEND

Project Managers of Complex Projects and those who are looking for formal project control training.

COURSE DURATION

 5 Working Days

1. **Planning & Progress Control: An Overview**

   - Planning Objectives.
   - Resource Estimation.
   - Work Breakdown Structure.
   - Progress Measurement and Control.
   - Reporting.

2. **Project Management Scalable Methodology guide**

   - Scope management.
   - Time management.
   - Cost management.
   - Quality management.
   - HR management.
   - Communications management.
   - Risk management.
   - Procurement management.
   - Multi-project oversight.
   - Risk Analysis.

3. **Cost & Man-hour Control**

   - Objectives.
   - Method.
   - Man-hour Control.
   - Updating and Reporting.

4. **Performance Measurements and Management**

   - Works-cope Change Management; technical, cost, and schedule performance measurement: actual and projected dates.
   - Activity status and event/milestone status.
   - How to model status.
   - Impact analysis through schedule rippling, resource impacts, & effects to total float.
   - Potential versus real impacts.
   - Path dynamics and management strategies / actions.
   - The impediments of large databases.

- The practical level of project modeling.
- The tiers of management and the distribution of management responsibilities.
- The need for supportive working level detail planning and management, as well as executive support and involvement.

5. Reports

- Management information – the right product for each specific purpose.
- Graphic versus tabular reporting.
- Software utilities (filtering and sorting).
- Coding to exploit data capabilities.
- Description and purpose of various products.
- How to use Project Model Diagrams for problem analysis.
- Reporting schedule and resource problems.

6. Risk & opportunity Management

- What is 'Risk Management' – Process of risk/opportunity identification, analysis, prioritization, and resolution; qualitative and quantitative analysis.
- Basics of CPM 'What-if' analysis, PERT process and the value of 3-time estimates, Monte Carlo Simulations.
- Risk resolution and opportunity instigation strategies.