

**Course Name: Project Scheduling & Cost Planning Skills**

**Reference Code: Projec104**

**About the course:**

This Project Management training course focuses on how to deliver comprehensive reliable plans with time and cost estimates that gives the owner or sponsor of projects, high levels of confidence for project delivery. In addition, the plans need to be realistic with a full view of any risks faced during and after the project lifecycle.

**Course Objective:**

Confidently estimate project timescales and costs with appropriate resource management plans

Identify, assess and manage schedule, cost, scope and resource risks

Understand project performance and control

Measure, forecast and control project performance by employing earned value techniques

Develop a project recovery plan for budget and schedule overrunsWho

**Should attend?.**

- 1- project managers,
- 2- cost estimators,
- 3- project schedulers,
- 4- project designers,
- 5- project planner,

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6- contract professionals,

7- project procurement and purchasing staff,

8- project control

9- business services professionals who have the responsibility for preparing cost / schedule estimates and project proposals in client and contracting companies

Senior managers who want to understand best practice in project management

Those who are interested in knowing more about estimation and control in a project environment

### Course Methodology:

This training course is designed to be a hands-on, stimulating experience. The training course is highly interactive with many discussion and practice sessions.

☑ Relevant computer simulations and videos .

☑ Copies of all presentation material.

☑ Variety of Learning Methods.

☑ Pre-test and final test.

☑ Case Study

☑ Training Groups.

☑ Presentation.

☑ Lectures

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**Course Outline:**

**Day One:**

Project Estimating Basics

Basic project management definitions

Triple constraints – Time, Cost, Scope

Project selection methods

Defining project scope

Cost & schedule estimation, cost budgeting & control

Project schedule management using the Critical Path Method

**Day Two:**

Developing Project Budget & Schedule Control

Resource requirements

Direct & indirect project costs

Planning and scheduling limited resources

Options for accelerating the schedule

Crashing the schedule - How?

**Day Three:**

Managing the Risk

Risk identification, analysis & management

Contingency reserve

PERT, probability and standard deviation formulae

Network activity risk profiles

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Application: Estimating project duration

Project risk strategies

**Day Four:**

Measuring Project Performance

Critical chain analysis and use of buffers

Comparison of unbalanced with balanced schedules

Measuring planned progress on schedule

Risk distribution in contracting

Actual progress and work conditions

Managing variable conditions

**Day Five:**

Managing and Recovering Project Estimates

Schedule variances & cost variances

Progress control charts -trend analysis

Schedule and cost variance forecasting

Schedule and cost recovery analysis

Schedule and cost recovery plan

Project recovery baselines and controls

**Time:** 08:00 AM -03:00 PM **Numbers of hours:** 35 Hours

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