



COST ENGINEERING AND EARNED VALUE MANAGEMENT

The program will equip participant with the skill and knowledge to control cost in there projects. They will learn the basics of cost estimating, cost control and planning.

CONTENT SPECIFICATION OVERVIEW

▶ **MODULE 1 COST**

- Cost Elements
- Pricing
- Materials
- Labour
- Engineering
- Equipments, Parts, and Tools
- Economic costs
- Activity Based Cost Management

▶ **MODULE 2 COST ESTIMATING**

- Estimating
- Process product Manufacturing
- Discrete Product Manufacturing

▶ **MODULE 3 PLANNING & SCHEDULING**

- Planning
- Scheduling

▶ **MODULE 5 PROJECT MANAGEMENT**

- Project Management
- Project organization Structure
- Project Planning
- Project Labour cost control
- Leadership and Management of Project People
- Quality Management
- Value Analysis
- Contracting for Capital Projects
- Strategic Asset Management

▶ **MODULE 6 ECONOMIC ANALYSIS**

- Basic Engineering Economics
- Applied Engineering Economics

▶ **MODULE 7 STATISTICS, PROBABILITY, & RISK**

- Statistics & Probability
- Basic Concepts in Descriptive Statistics
- Risk Management

MODULE 4 PROGRESS & COST CONTROL (EARNED VALUE MANAGEMENT)

- Progress Measurement and Earned Value
- Earned Value for Variable Budgets
- Tracking Cost and schedule performance

Performance and Productivity Management

DURATION: 3 days