Project Management

Course curriculum

Module 1: Basic Concepts & Applications of Project Management

- What the Program is all about

- Unique Challenges in the Project Management Environment

- Tools and Steps in Project Planning

- Introduction to Frameworks for Project Management (Agile, PMBOK)

- CPM & PERT

- Critical Chain Project Management

Module 2: Project Modelling and Management with Applications in MS-Project

- Project Management Simulation Exercise – Scope, Resources & Scheduling

- An Introduction to MS-Project

- Interpreting the output of an MS-Project Report

- Applications to Technical Scheduling and Resource Scheduling

- Resource Levelling

- Tracking and Monitoring Project Progress

Module 3: Financial & Risk Aspects of Projects

- Application of Financial Techniques for Analysis of Projects (NPV, IRR, Payback, Discounted Payback)

- Earned Value Management

- Project Budgeting & Cost Control

- Project Cost Estimation & Cost Reduction Strategies for Ongoing Projects

Module 4: Workshop on Risk Assessment & Management in Projects

- Financial Risk Assessment

- Designing a Project Risk Management Plan (Risk Identification, Risk Prioritization, Risk Response, Risk Management Strategies)

Module 5: People Management in Projects

- Stakeholder Analysis & Management

- Manpower Planning & Staffing in Projects

- Managing Teams in Projects

- Performance Assessment & Evaluation of Project Teams

Module 6: Project Governance & Monitoring

- Application of the ADKAR framework for Change Management

- PMO Charters & Project Management Policies

- Project Portfolio Management

Module 7A : Customized for Non-IT Professionals

- Business Law Concepts for the Indian Project Management Scenario (Selected Concepts from Contract Law & Sale of Goods Law)

- Industrial Relations & Labour Laws for Project Teams

- Project Financing & Funding Alternatives

- Project Recovery

- Contract & Vendor Management

- Procurement Strategies for Projects

- Introduction to tools for linear projects like Metros etc. (TILOS)

- Basics of Forensic Schedule Analysis. Introduction to methods of Delay Analysis (Impacted as Planned, TIA etc.)

Module 7B: Customized for IT Professionals

- Software Development Lifecycle & Software Project Management

- Deliverables Management in Software Projects – Software Maturity & Release Management, Technical Environment Management

- Software Project Management Methodologies – Agile, Managing ERP Projects, Offshore Delivery Project Management

- Project Planning, Resource Management, and Cost Estimation for IT Projects

- Quality Control, Software Vendor Management, and Contract Management for IT Projects

- Governance, Risk Management, and Change Management for IT Projects