€TRAINING

Software Project Management

Software Project Management

Introduction:

This training program provides participants with essential knowledge and skills in managing software projects. It empowers them to plan, execute, and close projects effectively, ensuring successful delivery within scope, time, and budget constraints.

Program Objectives:

At the end of this program, participants will be able to:

- Understand the fundamentals of software project management.

- Develop comprehensive project plans and schedules.

- Manage project resources and stakeholders efficiently.

- Monitor and control project progress.

- Implement best practices for risk and quality management.

Targeted Audience:

- Project Managers.

- Software Developers.

- IT Managers.

- Business Analysts.

- Personnel involved in software project management.

Program Outline:

Unit 1:

Introduction to Software Project Management:

- Overview of project management principles.

- Role of a software project manager.

- Project lifecycle phases.

- Key project management methodologies Agile, Waterfall.

- Importance of effective project management.

Unit 2:

Project Planning and Scheduling:

- Defining project scope and objectives.

- Developing a project plan.

- Creating a work breakdown structure WBS.

- Estimating time and resources.

- Setting up a project schedule.

Unit 3:

Resource and Stakeholder Management:

- Identifying project resources.

- Allocating and managing resources.

- Engaging and managing stakeholders.

- Communication planning.

- Conflict resolution strategies.

Unit 4:

Monitoring and Controlling Projects:

- Tracking project progress.

- Managing project changes.

- Performance measurement techniques.

- Earned value management EVM.

- Reporting and documentation.

Unit 5:

Risk and Quality Management:

- Identifying project risks.

- Risk analysis and mitigation.

- Quality planning and assurance.

- Implementing quality control measures.

- Continuous improvement practices.