



PROJECT MANAGEMENT

Domain Course Outline





Module 1: Introduction to Project Management

1.1 Overview of Project Management

- Definition and Importance of Project Management
- Project Lifecycle and Phases

1.2 Role of a Project Manager

- Responsibilities and Skills Required
- Career Paths in Project Management

1.3 Project Management Methodologies

- Waterfall Processes (SDLC)
- Agile and Scrum Methodologies

Module 2: Project Initiation

2.1 Project Selection and Justification

- Business Case Development
- Feasibility Studies

2.2 Project Charter and Stakeholder Identification

- Creating a Project Charter
- Identifying and Analysing Stakeholders

2.3 Defining Project Scope

- Scope Statement
- Scope Management Plan

2.4 Project Initiation Document

Resources:

- o Sample Project Charters
- o Stakeholder Analysis Templates

3.1 Work Breakdown Structure (WBS)

- **Creating a WBS**
- **Creating a project Plan**
- **Managing a project plan – The role of a project manager**

3.2 Schedule Management

- **Gantt Charts and Network Diagrams**
- **Critical Path**
- **Dependency Management**

3.3 Cost Management

- **Estimating Costs**
- **Budgeting and Cost Baselines**

3.4 Quality Management

- **Defining Quality Standards**
- **Quality Assurance and Control**

3.5 Risk Management

- **Identifying Risks**
- **Risk Assessment and Response Planning**

3.6 Communication Management

- **Communication Plan**
- **Stakeholder Engagement**

3.7 Resource Management

- **Resource Planning**
- **Team Management**
- **Resources:**
 - o **WBS and Gantt Chart Tools**
 - o **Risk Management Templates**
 - o **Cost Estimation and Budgeting Tools**

Module 4: Project Execution

4.1 Directing and Managing Project Work

- Executing Project Plan
- Coordinating People and Resources

4.2 Quality Assurance

- Implementing Quality Assurance Processes
- Continuous Improvement

4.3 Communication and Stakeholder Management

- Managing Stakeholder Expectations
- Effective Communication Strategies
- Resources:
 - o Case Studies on Project Execution
 - o Communication Management Tools

Module 5: Project Monitoring and Controlling

5.1 Project Reporting & Dashboard

- Reports
- Dashboard

5.2 Change Control Management

- Change Control Processes
- Managing Change Requests

5.3 Risk Monitoring and Control

- Tracking Identified Risks
- Implementing Risk Responses

5.4 Quality Control

- Conducting Quality Audits

- **Process Adjustments**
- **Resources:**
 - o **Performance Reporting Templates**
 - o **Change Control Tools**

Module 6: Project Closure

6.1 Closing Project or Phase

- **Final Deliverable Handover**
- **Contract Closure**

6.2 Post-Project Evaluation

- **Lessons Learned**
- **Project Closeout Report**
- **Resources:**
 - o **Project Closure Checklists**
 - o **Lessons Learned Templates**

Module 7: Agile Project Management

7.1 Agile Principles and Values

- **Scrum Framework**

7.2 Agile Practices

- **Iteration Planning**
- **Daily Stand-ups and Retrospectives**

Module 8: Tools and Techniques

8.1 Project Management Software

- **Overview of Popular Tools (e.g., Microsoft Project, Asana, Jira)**
- **Tool Selection Criteria**