

UNIT I

Chapter 1 : Introduction to Project Management
1-1 to 1-32

Importance, Objectives and Functions of Management, Principles of Management, Categories of Project, Project Failure, Project - Life Cycle Concept and Cost Components, Project Management Book of Knowledge (PMBOK) – Different Domain Areas, Project management Institute and Certified Project Management Professionals (PMP). Importance of Organizational Structure in Management - Authority / Responsibility Relation, Management By Objectives (MBO).

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UNIT II

Chapter 2 : Project Planning and Scheduling 2-1 to 2-29

WBS – Work Breakdown Structure, Gantt / Bar chart and its Limitations, Network Planning, Network analysis, C. P. M.- . Activity on Arrow (A.O.A.), Critical Path and Type of Floats, Precedence Network Analysis (A.O.N), Types of Precedence Relationship, P.E.R.T. Analysis

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UNIT III

**Chapter 3 : Project Resources and Site Planning
3-1 to 3-32**

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Resource Allocation – Resource Smoothing and Leveling, Network Crashing - Time - Cost - Resource Optimization, Project Monitoring - Methods, Updating and Earned Value Analysis, Introduction to Use of Project Management Software’s – MS Project / Primavera, Case study on Housing Project Scheduling for a Small Project with Minimum 25 Activities.

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UNIT V

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