

PROJECT MANAGEMENT (THEORY) MT-301

Pre-requisite: None

Credit Hours 02

Contact Hours 32

RECOMMENDED BOOKS

- Michael C. Thomsett, “The Little Black Book of Project Management”, Third Edition, AMACOM. 2010, ISBN: 0814415296

REFERENCE BOOKS

- Project Management: A Systems Approach to Planning, Scheduling, and Controlling by Kerzner (10th Edition)

OBJECTIVE OF COURSE

The objective of this course is to improve the skill to implement and manage the industrial project effectively. To help better understanding of basic and latest advanced knowledge about project management and its importance in locally as well as internationally. To give practical knowledge and skill to apply project management techniques are required in identification, planning, management and execution of the project.

S.NO	CLO/PLOs MAPPING	DOMAIN	PLO
01	Describe the basic project definition ,project scope, project constraints, attributes and skills required	C1	10,11
02	Use scheduling techniques to effectively organize projects	C3	09
03	Solve the complex tasks of time and cost estimating with the help of sophisticated methods CPM and PERT.	C3	11
04	Explain Project Life Cycle	C2	11,12

COURSE CONTENTS

Introduction to Project Management

- Introduction to project management
- Project basic definition, scope and Classification
- Creating the Plan, Choosing the Project Team

Project Planning and Scheduling

- Preparing the Project Budget
- Establishing Budgeting and Scheduling
- The Gantt Chart, Flowcharting for Project Control

Work Breakdown Structure

- Work Breakdown Structures
- CPM and PERT Methods
- Designing the Project Flowchart,
- Activity and Event Sequences, Network Diagram

Risk Management, Project Review and Six Sigma Approach

- Risk management and Value Chain
- Writing the Supporting Documentation
- Conducting the Project Review
- The Six Sigma Approach

Project Effectiveness, Leadership and Communication Skills

- Defining Success and Project Leadership Attributes
- Monitoring and Reporting the Missed Deadline
- The Communication Challenge and Skills
- Working with Different People, Meeting with Outside Resources, Running the Meeting