

Course Code	Course Title	C	H	I	E	T
17P4KME2	<b>Project Management</b>	4	90	25	75	100

### **Learning Objectives**

- To understand the concept of project and project management and ability to prepare project report
- To gain working knowledge on project preparation independently
- To evaluate the projects by various feasibility studies.

**Learning Outcomes:** understanding and comprehensive knowledge on project management and its relevance in business houses. Ability to appraise the projects by various feasibility studies

### **Unit – I Introduction to Project Management**

Meaning – Characteristics - Types- Project Life Cycle – Project formulation - Parameters in Project Selection – Stages in Project Formulation – Pre-feasibility study – Support Studies – Feasibility study – Detailed Project Report.

### **Unit – II Project Appraisal**

Meaning – Types of Project Appraisal – Market and Demand Analysis – Conduct of Market Survey – Demand Forecasting: Uncertainties – Marketing Plan – Technical Analysis: Manufacturing Process – Technical Arrangements – Plant Capacities – Project chart and Layout - Financial Analysis – Economical and Environmental Analysis.

### **Unit – III Financial Estimates and Risk Analysis**

Cost of Project – Means of Finance – Project finance – Sources and Pattern of Finance - Cost of capital- Estimates of Sales and Production – Working Capital Requirements – Profitability Projections – Profitability Statements – Projected Cash Flow Statement. Capital Budgeting – Techniques.

Risk Analysis – Sensitivity Analysis – Break Even Analysis - Decision Tree Analysis – Capital Asset Pricing Model – Social Cost Benefit Analysis.

### **Unit – IV Project scheduling, Managing & Implementing**

Introduction – Project Scheduling – Network Based Scheduling – Critical Path Method (CPM) – Project Evaluation Review Techniques (PERT) – Resource Allocation – Network cost crash. Project Management – Forms Project Organisation- Project Planning and Control- - Pre Implementation Project – Implementation – Monitoring.

### **Unit – V Project Evaluation and Post Project Evaluation**

Project Evaluation – Meaning – Objectives – Methods. Post Project Evaluation – Meaning - Post Audit – Objectives – Types – Preparation of Project Report – Computer Aided Project.

### **Books for Study**

Prasanna Chandra, *Projects Planning, Analysis, Selection, Financing, Implementation and Review*, Tata McGraw Hill Education Pvt. Ltd. New Delhi.

### **Books for Reference**

1. Vasant Desai, *Project Management*, Himalaya Publishing House, Mumbai.
2. K. Nagarajan, *Project Management*, New Age International Publishers, New Delhi.
3. [www.investopedia.com](http://www.investopedia.com), [www.businessdictionary.com](http://www.businessdictionary.com)