

# FEME6302 **PROJECT MANAGEMENT** (3-0-0)

## **Module-I Project Management Concepts and Needs Identification**

Attributes of a Project, Project Life Cycle, The Project management Process, Benefits of Project Management, Needs Identification, Project Selection, Project organization, the project as part of the functional organization.

Project feasibility Analysis: Technical feasibility, commercial and financial visibility, Environment Analysis.

## **Module-II Project Planning and Scheduling:**

Design of project management system; project work system; work breakdown structure, project execution plan, work packaging plan, project procedure manual; project scheduling;

bar charts, line of balance (LOB) and Network Techniques (PERT / CPM)/ GERT, Resource

allocation, Crashing and Resource Sharing, capacity planning and expansion capacity decision.

## **Module III Project Monitoring and Control and Project Performance**

Planning, Monitoring and Control; Design of monitoring system; Computerized PMIS (Project Management Information System). Coordination; Procedures, Meetings, Control;

Scope/Progress control, Performance control, Schedule control, Cost control, Performance

Indicators; Project Audit; Project Audit Life Cycle, Responsibilities of Evaluator/ Auditor, Responsibilities of the Project Manager.

### **Books:**

1. Project Planning, Analysis, Selection, Financing, Prasanna Chandra, TMH
2. Project Management, Grey, TMH.
3. Project Management, Richman, PHI
4. Project Management, Vasant Desai, HPH
5. Project Management, Bhavesh M.Patel, Vikash
6. Project Engineering & Management- Prasanna Chandra, Prentice Hall.