

SEMESTER-V

COURSE 15: PROJECT MANAGEMENT

Theory

Credits: 4

4 hrs/week

Course Objectives:

- To expose Students to the concepts of project management and planning.
- To enable students identify and select of project and its feasibility.
- To equip the students with network analysis tools and project evaluation techniques.
- To make them understand about the human aspects in managing the projects in an organisation.
- Demonstrate effective project execution and control techniques that result in successful projects.

UNIT-I: PROJECT MANAGEMENT

Definition of Project, Types of Projects. Project management –overview, significance of PM. Project Life Cycle-Project Initiation, Project Planning, Project Execution, Monitoring and Control, Project Closure. Typical project management issues.

UNIT-II: PROJECT PLANNING AND SELECTION

Project planning process- Sources of new project ideas, Preliminary screening of projects. Initial project coordination, Identification and determinants of cost of project, its financing. Project Appraisal, Feasibility studies- finance, technical and market potential, Creating a Project Action Plan, Creating the Work Break Down Structure.

UNIT-III: NETWORK ANALYSIS AND PROJECT EVALUATION

Project Network Analysis- PERT/CPM, Time estimates in Critical Path Analysis, Floats and Project Time–Cost Trade-off in Project Time Management. Project evaluation methods- Payback Period, Net Present Value, Internal Rate of Return and Project Evaluation under uncertainty.

UNIT-IV: PROJECT ORGANIZATION

Handling Human aspects of Project management, Roles and responsibilities of a Project Manager. Project Organization- The project as part of the Functional Organization, Pure Project Organization, The Matrix organization, Leadership Styles.

UNIT-V: PROJECT MONITORING

Designing the monitoring system, Project reporting, Measuring the performance of a project, Risk Management Process, Contingency Planning, Project Cost Management, Computerized Project Management Systems.

Reference Books

1. Gopala Krishnan & Rama Murthy, A Text book of Project Management, McMillan India
2. S. Choudhary, Project Management, Tata McGraw Hill Publication.
3. Clifford F Gray, Project Management: The Managerial Process, Oregon State University.
4. Prasanna Chandra, "Projects, Planning, Analysis, Selection, Financing, Implementation and Review", TataMcGraw Hill Company Pvt. Ltd., New Delhi 1998.
5. Erik Larson, Clifford Gray. Project Management. The Managerial Process. McGraw Hill Education.