

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E. SEMESTER : VIII

INDUSTRIAL ENGINEERING

Subject Name: **PROJECT MANAGEMENT**

Sr. No.	Course Contents	Total Hrs
1.	Concept of Project : Meaning and introduction, Project Identification	3
2.	Project selection & Preparation of project report. Project appraisal : (A) Technical Appraisal (B) Commercial Appraisal (C) financial Appraisal (D) Economic Appraisal (E) Appraisal of Management (F) Social Appraisal	12
3.	Small scale Industries: Importance, definition. Ancillaries industries, Village industries, Tiny sector	3
4.	Various agencies supporting SSI like SFCs, NSIC, SSICs, DICs, Commercial banks, State Directorate of Industries, IDBI, ICICI, State Technical Consultancy Organizations. Various schemes for financing SSI.	12
5.	Location of Industries in less developed (Industrially backward) areas, Incentives available. Constitution of Industrial Unit. Common problems and Pitfalls in running an Industrial Unit	4
6.	Project Management Techniques : Bar chart & Milestone chart	3
7.	Network analysis : Development of Network, Time estimates, Time computations	6
8.	Program Evaluation & Review Techniques (PERT), Critical Path Method (CPM). Applications, advantages and limitations of PERT & CPM. Project cost considerations, Project duration, updating and Resource allocation: Resource smoothening and levelling.	21

REFERENCE/TEXT BOOKS:

1. The Industrial economy of India by S.C. Kuchhal, Chaitanya pub. House.
2. Industrial finance of India by S.K.Basu
3. An insight into management accounting by John Siger, Pengvin
4. Principles of engineering economy by E.L.Grant, Prentice- Hall of India.
5. Guide lines for project evaluation by United nations 1968.
6. Investment location and size of plant by P.S.Florence.
7. The finance and analysis of capital projects by A.J. Morrett and A. Sykee, Longmans.
8. Appraisal and control of project costs by R. Pilcher, Mcgraw- hill.
9. Project management and control by (vol 1,2, & 3) R.L. Martins
10. PERT/CPM Principles and applications by L. S. Srinath, East West Press.
PERT & CPM by dr. B.C. Punmia & K.K. Khandelwal