

GUJARAT TECHNOLOGICAL UNIVERSITY

Project Formulation, Appraisal and Management

SUBJECT CODE: 1065503

B.PLAN 6th SEMESTER

Prerequisite: 5th Semester Planning

Aim: To study Project Formulation, Appraisal and Management Concepts and Techniques as applicable to Town Planning Projects

Objective:

1. To introduce the Basic Concepts / Principles of Project Formulation.
2. To familiarize students with Methodologies to Appraise and Manage Projects.

Teaching and Examination Scheme:

Teaching Scheme			Credits	Examination Marks				Total Marks
L	T	P	C	Theory Marks		Practical Marks		
				ESE (E)	PA (M)	ESE (V)	PA(I)	
2	1	0	3	50	50	0	0	100

L- Lectures; T- Tutorial/Teacher Guided Student Activity/Field work; P- Practical; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment.

Contents:

SR. No.	Contents	Total Hrs
Unit 1	Introduction to Project Formulation, Appraisal and Management The concept of projects, Importance of project formulation, appraisal and management; reasons for shortfall in its performance; scientific management, life cycle of project; detailed project report, and feasibility studies; techniques of financial appraisal, payback period, IRR, DCF, NPV, CBR.	8
Unit 2	Project Formulations Project formulation: definition, objectives; Stages of project formulation and their significance; Methodology for project identification and formulation; Feasibility studies, input analysis, financial cost-benefit analysis, social-cost benefit analysis; Project appraisal and report.	10
Unit 3	Project Appraisals Project formulation: definition, objectives; Need for project appraisal; Project formulation: definition, objectives; Stages of project form Network analysis; CPM, PERT, resource leveling and allocation, time-cost trade off aspects; Bar charts, Milestones, Standard oriented cost control techniques; Techno-economic analysis of projects.	12
Unit 4	Project Implementation and Monitoring Project implementation, stages of implementation, Teamwork, actors in project implementation; Project monitoring: meaning objectives and significance; Monitoring techniques: integrated reporting, Milestones, time and cost overrun and under runs, unit index techniques.	8
Unit 5	Project Evaluations	10

	Project evaluation: meaning, objectives, scope, stages, approach and steps, Life of a project; Techniques of project evaluation: input analysis, financial cost-benefit analysis, social-cost benefit analysis; case studies in urban and regional development projects.	
	Total Hours	48

Text / Reference Books:

S. No.	Name of Authors	Titles of the Book	Edition	Name of the Publisher
1.	ITTO	Manual on Project Formulation	III, General Information Series No. 13	ITTO
2.	Prasanna Chandra	Projects	VIII	McGraw Hill
3.	K. Nagarajan	Project Management	2004	New Age International Publishers
4.	A. Kanda	Project Management	2011	PHI Learning Pvt. Ltd., New Delhi.

Course Outcome:

List of Exercise / Practical:
1 Field visits to any large professionally managed projects and submit Report.
List of Assignments/Tests :
1 Test on Unit 1 and Unit 2.
2 Appraisal of a real life project / case study

ACTIVE LEARNING ASSIGNMENTS: Preparation of power-point slides, which include videos, animations, pictures, graphics for better understanding theory and practical work – The faculty will allocate chapters/ parts of chapters to groups of students so that the entire syllabus to be covered. The power-point slides should be put up on the web-site of the College/ Institute, along with the names of the students of the group, the name of the faculty, Department and College on the first slide. The best three works should submit to GTU.