

GUJARAT TECHNOLOGICAL UNIVERSITY
MASTERS IN TECHNOLOGICAL MANAGEMENT-MTM
DUAL DEGREE PROGRAMME
Semester – X (W.e.f. December 2015)

Subject Name: ADVANCED PROJECT MANAGEMENT

Subject Code: 4210110

COURSE OBJECTIVES:

- To understand financial aspects including financial appraisal and risk analysis of Project Management.
- To understand various methods of raising finance.
- To study various environmental factors affecting International Projects.
- To increase awareness among students for creating career in Project Management area.

CONTENTS:

Module No	Module Content	Marks (Weightage)
1	Financial appraisal in Project Scanning and Selection – Time value of money – Cost of Capital – Fundamentals of Capital Budgeting decisions – Investment Criteria – Net Present Value – Payback period – Internal Rate of Return	(25%)
2	Project Risk Analysis – Sensitivity Analysis – Simulation Analysis – Managing Risk – Social Cost Benefit Analysis – UNIDO approach – Income Distribution Impact – Shadow Prices – Judgmental, Behavioural, Strategic and Organizational Considerations – Information Asymmetry and Capital Budgeting	(25%)
3	Financing of Projects – Types – Miscellaneous sources – Financing Infrastructure Projects – Key Project Parties – Venture Capital and Private Equity – Definition of VC – VC versus PE – The Indian VC Industry – How to approach a VC Fund	(25%)
4	Project Closure – Types – Post Implementation Evaluation – Retrospectives – International Projects – Environmental Factors – Cross-Cultural Considerations – Selection and Training for International Projects – Project Management Career Paths – Professional Training & Certification – Success in Key Projects	(25%)
5	Prepare a Project proposal under the guidance of your subject teacher on any one project with financial estimates and identifying various financing methods. If possible, contact a Venture Capital company and present your project proposal for getting funds for your project.	(25 Marks of CEC)

TEXT BOOKS:

Sr. No.	Author	Name of the Text Book	Publisher	Edition
1	Prasanna Chandra	Projects: Planning, Analysis, Selection, Financing, Implementation &	Tata McGraw Hill	Latest Edition
2	Clifford F. Gray, Erik W. Larson & Gautam V. Desai	Project Management: The Managerial Process	McGraw Hill Education	Latest Edition

REFERENCE BOOKS:

Sr. No.	Author	Name of the Text Book	Publisher	Edition
1	Sitangshu Khatua	Project Management and Appraisal	Oxford Higher Education	Latest Edition
2	Jack Gido & James P. Clements	Project Management	Cengage Learning	Latest Edition

SCHEME OF EVALUATION:

A	Final University Exam	70 Marks
B	Mid Term Exam	30 Marks
C	CEC	50 Marks

SESSION PLAN: The course duration is of 36 sessions of 75 minutes each i.e. 45 hours

Sessions No.	Topic
1 – 4	Financial appraisal in Project Scanning and Selection – Time value of money – Cost of Capital – Fundamentals of Capital Budgeting decisions
5 – 8	Investment Criteria – Net Present Value – Payback period – Internal Rate of Return
9 – 12	Project Risk Analysis – Sensitivity Analysis – Simulation Analysis – Managing Risk – Social Cost Benefit Analysis – UNIDO approach

13 – 16	Income Distribution Impact – Shadow Prices – Judgmental, Behavioural, Strategic and Organizational Considerations – Information Asymmetry and Capital Budgeting
17 – 20	Financing of Projects – Types – Miscellaneous sources
21 – 24	Financing Infrastructure Projects – Key Project Parties – Venture Capital and Private Equity – Definition of VC – VC versus PE – The Indian VC Industry – How to approach a VC Fund
25 – 28	Project Closure – Types – Post Implementation Evaluation – Retrospectives – International Projects – Environmental Factors
29 – 32	Cross-Cultural Considerations – Selection and Training for International Projects – Project Management Career Paths – Professional Training & Certification – Success in Key Projects
33 – 36	Module – 5 project presentations (maximum 4 in a group)