

GUJARAT TECHNOLOGICAL UNIVERSITY

MASTER OF BUSINESS ADMINISTRATION

Year – 2 (Semester – III) (W.E.F. Academic Year 2018-19)

Specialization: Production and Operations Management

Subject Name: Project Management (PM)

Subject Code: 3539271

1. Learning Outcome:

- Acquaintance with basics of Project management and execution.
- Understanding the contemporary and cutting edge Project Management.

2. Course Duration: The course duration is of 36 sessions of 75 minutes each

3. Course Content:

Module No.	Modules / Sub-Modules	No. of Sessions	70 Marks (External Evaluation)
I	Basics of Project Management: <ul style="list-style-type: none">• Concept of Project, Attributes of a Project• Importance of Project Management• Project Management Process, Project Lifecycle• Project Stakeholders• Project Management Structures, Choosing Appropriate Project Management Structure• Implications of Organizational Culture• Main Causes of Project Failure Project Definition: <ul style="list-style-type: none">• Defining Scope, Establishing Priorities• Creating the Work Breakdown Structure (WBS), integrating the WBS with the organization• Coding the WBS for information system• Project Roll Up, Process Breakdown Structure, Responsibility Matrices	9	17
II	Project Identification: <ul style="list-style-type: none">• Selection of product, identification of market preparation of feasibility study/report Project formulation –Evaluation of risks preparation of Project report. Selection of location & site of the project: <ul style="list-style-type: none">• Factors affecting location - policies of Central – State Government towards location – Legal aspects of project management. Project Planning - Estimating Project Times and Costs:	9	17

	<ul style="list-style-type: none"> • Factors Influencing Quality of Estimates • Estimation Guidelines for Time, Costs and resources • Macro versus Micro Estimating • Methods for Estimating Project Times and Costs • Level of detail, Developing Budgets • Types of Costs, Refining estimates and contingency funds. <p>Developing a Project Plan:</p> <ul style="list-style-type: none"> • Developing the Project Network • From Work Package to Network • Constructing a Project Network • Activity-On-Node, Fundamentals, Network Computation process • Using the Forward and Backward pass information • Level of Detail for activities • Extended Network techniques. 		
III	<p>Project Scheduling & Risk Management Scheduling Resources and Reducing Project Duration:</p> <p>Types of Project Constraints Classification of Scheduling Problem Resource Allocation Methods, Splitting, Multitasking Benefits of scheduling resources Assigning Project work, Multi Project resource Schedules, Rationale for reducing project duration Options for accelerating Project Completion, Concept and construction of a Project Cost – Duration Graph, Practical considerations. Managing Risk: Risk Management process – Risk Identification, Risk Assessment, Risk Response Development, Contingency Planning, Risk Response Control, Change Control Management</p> <p>Project Organization: The Project Manager: Role and Responsibilities of the project Manager, Planning, Organizing, Controlling, Skills of the Project Manager – Leadership Abilities, Coaching & mentoring Abilities, Communication Skills, Interpersonal Skills, Ability to Handle Stress, Problem Solving Skills, Time Management Skills, Delegation, Management of Change. Managing Project Teams: The five stage team development model, Situational factors affecting team development, Team effectiveness, Conflict in projects, Sources of Conflict, Handling Conflict. Managing Virtual Project teams, Project team pitfalls.</p>	9	18
IV	<p>Project Evaluation Progress and Performance Management and Evaluation: Structure of a Project Monitoring Information System, Project Control Process, Monitoring Time Performance, Need for an Integrated Information System, Developing a status report and</p>	9	18

	index to monitor progress, Forecasting final project cost, Other control issues. Project Audit and Closure: Project Audit, Project Audit Process, Project Closure, Team, Team member and Project Manager Evaluations. Financial Analysis: – Profitability Analysis – Social cost Benefit Analysis preparation of Budget and Cash Flows. Materials Management in Project Planning – Procurement – storage – disposal. Financing of the Project :- Source of Finance – Cost implications thereof Financial Institutions –Guidelines for funding projects,		
V	Practical Project based on the above topics	---	(30 marks CEC)

4. Teaching Methods: Following pedagogical tools will be used for teaching the course :

- a.) Case discussions
- b.) Discussion on issues and techniques
- c.) Projects/Assignments/Quiz/Class Participation etc.

5. Evaluation:

The evaluation of participants will be on continuous basis comprising of the following Elements:

A	Continuous Evaluation Component comprising of Projects / Assignments / Quiz / Class Participation / Class test / Presentation on specific topic etc.	(Internal Assessment- 50 Marks)
B	Mid-Semester examination	(Internal Assessment-30 Marks)
C	End –Semester Examination	(External Assessment-70 Marks)

6. Reference Books:

Sr. No.	Author	Name of the Book	Publisher	Year of Publication
1	Kimi Heldman	PMP - Project Management Professional - “Study Guide”	Wiley India	2016 Edition
2	Sadhan Choudhary	Project Management	McGraw Hill	Latest Edition
3	Prasanna Chandra	Project Management	McGraw Hill	Latest Edition
4	P. K. Mattoo	Project Appraisal		First
5	Vasant Desai	Project Management	Himalaya	Latest
6	Sitanshu Khatua	Project Management & Appraisal	Oxford Publications	Second Edition
7	R. Panneerselvam, P Senthilkumar	Project Management	PHI	Latest
8	Rajiv M Gupta	Project Management	PHI	Latest

7. List of Journals / Periodicals / Magazines / Newspapers etc.

Project Management and Project Planning Journals and Articles published in India and internationally may be referred