

University of Mumbai			
<b>Class:</b> T.E.	<b>Branch:</b> Electrical Engineering	<b>Semester:</b> VI	
<b>Subject:</b> Project Management (abbreviated as PM)			
Periods per Week (Each 60 min)	Lecture	4	
	Practical	--	
	Tutorial	1*	
		Hours	Marks
Evaluation System	Theory Examination	3	100
	Practical and Oral	--	--
	Oral		
	Term Work	--	25
	Total	3	125

Module	Contents	Hours
1	Project management & its organization. Nature & purpose of P.M –concept of project, project identification, formula, analysis, risk, planning. Project design & n/w analysis, project report, appraisal, Project organization, Establishing a project organization	12
2	Contract administration Contract law, Contract & payment structure	06
3	Account & finance, Financing the project, Cost estimation, Cost control, Controlling cash & credit	10
4	Planning & scheduling, Planning with charts, Critical path methods, Resources scheduling.	10
5	Managing project material, Material planning & control. Project purchasing, Inspection & expectation, Project risk management, project quantity management.	10

\* Batch wise tutorial

### Theory Examination:

1. Question paper will comprise of total 7 questions, each of 20 marks.
2. Only 5 questions need to be solved.
3. Q.1 will be compulsory and based on the entire syllabus.
4. Remaining questions will be mixed in nature.
5. In question paper weightage of each module will be proportional to the number of respective lecture hours as mentioned in the syllabus.

### Term work:

Term work should consist of at least eight tutorials properly recorded and graded  
Laboratory work (Tutorial) :10 marks

Test (at least one) :10 marks

Attendance (Practical and Theory) :05 marks

The final certification and acceptance of term-work ensures the satisfactory performance of laboratory work and minimum passing in the term-work.

### **Books Recommended:**

Text Books:

1. Hand book of project management, Denis lock, second edition, JPH
2. Project management - Vasant Desai, HPH.

References:-

1. Projects, planning ,Analysis, financing, implementation & review  
Prasanna Chandra, fifth edition, Ta McGraw hill.
2. A guide to the project management body of knowledge (PMBOK guide) project  
management institute, Newtown square, Pennsylvania, USA.