



# Sardar Patel Institute of Technology

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058-India  
(Autonomous Institute Affiliated to University of Mumbai)

Course Code	Course Name	Teaching Scheme (Hrs/week)			Credits Assigned			
		L	T	P	L	T	P	Total
ITL701	Software Project Management	--	--	2	--	--	1	1
		Examination Scheme						
		ISE		ESE			Total	
				Practical	Oral			
40		-		20		60		

<b>Pre-requisite Course Codes</b>	TEITL601 (Software Engineering Lab) ITC701 ( Software project Management)	
After successful completion of the course, student will be able to:		
<b>Course Outcomes</b>	CO1	Demonstrate the factors that lead to the failure of a project-case-study
	CO2	Determine the values/benefits the project if done would bring to the organizations
	CO3	Formulate the sequencing of task (network) to optimize the use of resources
	CO4	Examine the deviation of planned schedule and cost with actual cost and schedule.
	CO5	Make use of a modern tool for communication and collaboration with project team members

Exp. No.	Experiment Details	Ref.	Marks
1	Download a case study of any failed project .Analyze project failures – State Reasons for failure -- Actions to be taken. Find Technical feasibility of the suggested actions or in other words state how would you implement those solutions	<a href="http://calleam.com/WTPF/?page_id=2338">http://calleam.com/WTPF/?page_id=2338</a>	5
2	Prepare RFP for a project containing Project Description, scope of work, Timeline & Budget, Requirements & deliverables, Technical information	3-PMBOK	5
3	Calculate MOV for your project: 1. Identify the value of IT project 2. Develop an appropriate metric 3. Set the time frame for achieving the <u>MOV</u> 4. Identify alternatives 5. Identify risk - choose the alternative with low risk	1-Chapter 2	5



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4	Create Task set for each phase and mark critical path view Gantt Chart and Network Diagram Fill actual start and actual finish for completed task	2	5
5	calculate the Earned Value for a project that has a Project Plan and the actual task completion duration and cost	2	5
6	Create a team in JIRA -log issues, mention criticality. Sort issues in terms - its critically. List unresolved issues along with timestamp. Measure cycle time. Create reports	Tutorialpoint (OR) <a href="http://www.guru99.com/jira-tutorial-a-complete-guide-for-beginners.html">http://www.guru99.com/jira-tutorial-a-complete-guide-for-beginners.html</a>	5
7	Extend your B.E. project. 1. List features – Extended scope 2. Identify components. Write technical specification 3. Decide which of the components to make/outsource/buy 4. Justify your answer. Make suitable assumptions. 5. Present it in the form of the Table ( Component_id, Description, Required_Resources, Make/Outsource/Buy, Justification) 6. For the components you plan to buy write the criteria for evaluation. Do create a comparative statement. 7. Prepare sample SLA for the components you plan to outsource	<a href="https://www.pmi.org/learning/tools-templates">https://www.pmi.org/learning/tools-templates</a>	5
8	Examine the problem statement and answer the question: Should the Company submit a bid, and if so, what should they bid per computer?	2	5
<b>Total Marks</b>			<b>40</b>

## References:

1. Jack Marchewka, “*Information Technology Project Management*”, 4<sup>th</sup> edition, Wiley.
2. John. M. Nicholas “*Project Management*”, 2<sup>nd</sup> edition, EEE.
3. PMI Institute “*PMBOK – Guide*”, 5<sup>th</sup> edition