



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
CPCL602	Software Engineering Lab	--	--	2	--	--	1	1
		Examination Scheme						
		ISE		ESE			Total	
				Practical	Oral			
40		--	20		60			

Pre-requisite Course Codes	CPC602 (Software Engineering)
At end of successful completion of this course, student will be able to	
Pre-requisite Course Codes	-
Course Outcomes	CO1 Select process model for a given problem.
	CO2 Plan, design, develop and validate software project.
	CO3 Apply estimation and scheduling techniques.
	CO4 Analyze and mitigate risks in software project.
	CO5 Apply advance software methodology to create high quality Web Apps.

Exp. No.	Experiment Details	Ref.	Marks
1	Create SRS in IEEE format for a case study.	1,2,3	5
2	Apply process model to a case study.	1,2,3	5
3	Create Work Breakdown Structure and schedule using project management tool for the case study.	1,2,3	5
4	Estimation using function point.	1,2,3	5
5	Develop test plan. (Acceptance test plan, White box test cases)	1,2,3	5
6	Risk estimation.	1,2,3	5
7	Automated testing using testing tool.	1,2,3	5
8	Mini Project.	1,3,4	5
Total Marks			40

References:

- [1] Roger Pressman, Software Engineering: A Practitioners Approach, (6th Edition), McGraw Hill, 2010.
- [2] Ian Somerville, Software Engineering, 9th edition, Addison Wesley, 2011
- [3] Eric J. Braude and Micheal E. Bernstein, Software Engineering Modern Approach, 2nd edition, Wiley, 2011.



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[4] Ali Behforooz Fredrick Hudson, Software Engineering Fundamentals, Oxford University Press, 2006.