



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	
CPEL7024	Elective-II Software Architecture	--	--	2	--	--	1	1	
		Examination Scheme							
		ISE		ESE		Total			
				Practical	Oral				
40		-		20	60				

Pre-requisite Course Codes	CPE7024 (Software Architecture)
At end of successful completion of this course, student will be able to	
Pre-requisite Course Codes	Learner will be able to...
Course Outcomes	CO1 Design and program Modeling and Visualization
	CO2 Program Integrate Software Component
	CO3 Implement Connectors using middleware
	CO4 Design and Program Wrapper to connect two applications with different architectures
	CO5 Design and Program for Creating web service
	CO6 Program and Design Architecture for any specific domain

Exp. No.	Experiment Details	Ref.	Marks
1	Write a Program for Modeling using xADL	1-6	5
2	Write a Program for Visualization using xADL 2.0	1-6	5
3	Write a Program to Integrate software components using a middleware	1-6	5
4	Write a Program Using middleware to implement connectors	1-6	5
5	Write a Program for Wrapper to connect two applications with different architectures	1-6	5
6	Write a Program for Creating web service	1-6	5
7	Write a Program to Design Architecture for any specific domain	1-6	5
8	Perform Analysis-Case Study	1-6	5
Total Marks			40

References:



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- [1] "Information Technology Project Management", Jack T. Marchewka, 3rd edition, Wiley India, 2009.
- [2] S. J. Mantel, J. R. Meredith and etl.. "Project Management" 1st edition, Wiley India, 2009.
- [3] John M. Nicholas, "Project Management for Business and Technology", 2nd edition, Pearson Education.
- [4] Joel Henry, "Software Project Management, A realworld guide to success", Pearson Education, 2008.
- [5] Gido and Clements, "Successful Project Management", 2nd edition, Thomson Learning.
- [6] Hughes and Cornell, "Software Project Management", 3rd edition, Tata McGraw Hill