



# 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
ITT7052	Software Architecture	--	--	2	--	--	1	1
		Examination Scheme						
		ISE		ESE			Total	
				Practical	Oral			
40		-		20		60		

Pre-requisite Course Codes		
After successful completion of the course, student will be able to:		
Course Outcomes	CO1	Design and program Modelling 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:

1. Jack T. Marchewka, "Information Technology Project Management", 3<sup>rd</sup> edition, Wiley India, 2009.
2. S. J. Mantel, J. R. Meredith and etl.. "Project Management" 1<sup>st</sup> edition, Wiley India, 2009.
3. John M. Nicholas, "Project Management for Business and Technology", 2<sup>nd</sup> edition, Pearson Education.
4. Joel Henry, "Software Project Management, A real world guide to success", Pearson



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Education, 2008.

5. Gido and Clements, "*Successful Project Management*", 2<sup>nd</sup> edition, Thomson Learning.
6. Hughes and Cornell, "*Software Project Management*", 3<sup>rd</sup> edition, Tata McGraw Hill