

Course Code	Course Title	Credits	Lectures /Week
USCSP403	Software Engineering – Practical	1	3
Perform the following exercises for any two projects given in the list of sample projects or any other projects:			
1	Write down the problem statement for a suggested system of relevance		
2	Perform requirement analysis and develop Software Requirement Specification Sheet (SRS) for suggested system.		
3	Draw the function oriented diagram: Data Flow Diagram (DFD) and Structured chart.		
4	Draw the user’s view analysis for the suggested system: Use case diagram.		
5	Draw the structural view diagram for the system: Class diagram, object diagram.		
6	Draw the behavioral view diagram : State-chart diagram, Activity diagram		
7	Draw the behavioral view diagram for the suggested system: Sequence diagram, Collaboration diagram		
8	Draw the implementation and environmental view diagram: Component diagram, Deployment diagram		
9	Perform Estimation of effort using FP Estimation		
10	Prepare time line chart/Gantt Chart/PERT Chart		
11	Develop test cases for unit testing and integration testing		
12	Develop test cases for various white box and black box testing		
List of sample projects a. Student Result Management System b. Library management system c. Inventory control system d. Accounting system e. Fast food billing system f. Bank loan system g. Blood bank system h. Railway reservation system i. Automatic teller machine j. Video library management system k. Hotel management system l. Hostel management system m. Share online trading n. Hostel management system o. Resource management system p. Court case management system			