

Course code	Course Title	L	T	P	C
BITE307P	Software Engineering Lab	0	0	2	1
Pre-requisite	NIL	Syllabus version			
		1.0			
Course Objectives:					
<ol style="list-style-type: none"> To understand the concepts of process and product development. To elucidate the knowledge of requirement analysis. To provide the knowledge of software design and testing. 					
Course Outcomes:					
<ol style="list-style-type: none"> Demonstrate the various software design concepts and understand different designs like architectural, structured, object oriented and user interface. Apply software validation and testing for real time applications. 					
Indicative Experiments					Hours
1.	Study of a requirements management tool (e.g. RequisitePro) and Create requirements document for a given application scenario				4 Hours
2	Study of UML diagramming tool (e.g. ArgoUML) and Create UML models for a given application scenario.				6 Hours
3	Study of a functional testing tool (e.g. Winrunner) and test a given application software with test scripts.				4 Hours
4	Study of a web application testing tool (e.g. Selenium) and test a given web application software with test scripts.				4 Hours
5	Study of a bug tracking tool (e.g. Bugzilla) and use it for tracking outstanding problems of a given application software				4 Hours
6	Study of a project management tool (e.g. ProjectLibre) and create Gantt chart, PERT chart, WBS chart for a given project scenario				4 Hours
7	Study of a version control system (e.g. Git) and use it for keeping track of modifications to project source code files				4 Hours
Total Laboratory Hours					30 hours
Mode of Assessment: Continuous Assessments, Final Assessment Test					
Recommended by Board of Studies		20-05-2022			
Approved by Academic Council		No. 66	Date	16-06-2022	