

Software Development Laboratory

B.Tech. IV Semester



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Faculty of Engineering & Technology
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Private University Established in Karnataka State by Act No. 15 of 2013

Faculty	Engineering & Technology
Programme	B. Tech. in Computer Science and Engineering
Year/Semester	2017/4 th Semester
Name of the Laboratory	Software Development Laboratory
Laboratory Code	CSC213A

List of Experiments

1. Requirements Analysis - I
2. Requirements Analysis - II
3. Data flow modelling with CASE tools – High level Design
4. Data flow modelling with CASE tools – Low level Design
5. UML Modelling: Use Case and Sequence Diagrams
6. UML Modelling: Class Diagrams
7. UML Modelling: State Chart Diagrams
8. Implementation of Software Design
9. Unit Testing with JUnit
10. Integration testing with JUnit

Scenario for all labs:

Various scenarios will be given to students in the lab. Work in groups of 7 and develop the software solution. The Course leader is the customer. Contact the Course leader for any clarifications.

Index Sheet

No.	Lab Experiment	Viva (6)	Results (7)	Documentation (7)	Total Marks (20)
1	Requirements Analysis - I				
2	Requirements Analysis - II				
3	UML Modelling: Use Case and Sequence Diagrams				
4	UML Modelling: Class Diagrams				
5	UML Modelling: State Chart Diagrams				
6	Data flow modelling with CASE tools – High level Design				
7	Data flow modelling with CASE tools – Low level Design				
8	Implementation of Software Design				
9	Unit Testing with JUnit				
10	Lab Internal Test conducted along the lines of SEE and valued for 50 Marks and reduced for 20 Marks				
	Total Marks				

Component 1 (Lab Internal Marks) =**Signature of the Staff In-charge**