**Notice**

**Quiz 2--** 11-11-2019 to 15-11-2019

**Lab Test 2--** 25-11-2019 to 29-11-2019

**Project--- (Hard Copy)**

1. SRS
2. Implementation and testing full report

**Lab File** (to be uploaded on classroom)

Name your file as Batch\_enrollment.no\_Name (in doc format)

Format of file is given below.

**Softwre Engineering Lab**

Submitted by:

**Name of the Candidate (Enroll No.)**

**Name of Faculty:**

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**Department of CSE/IT**

**Jaypee Institute of Information Technology University, Noida**

# Duration Jul’2019 to Dec’2019

**List of Experiments**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Title** | **Date** |
|  |  |  |

1. Understanding of Software Requirements
2. Software Development Process: Understand the different phases involved in a software development process and the different models.
3. System Analysis: Creation of software requirement specification document for a software project on the basis of gathered requirements.
4. Identifying the Requirements from Problem Statements (Virtual Lab Exercise)
5. Use-Case Modeling: Designing of Use-Case diagram for a Case-Study.
6. Class diagram Modeling: Designing of Class Diagram for a Case- Study.
7. E-R Modeling from the Problem Statements
8. Modeling UML Sequence diagrams
9. Draw the Activity diagram and Collaboration Diagram for the given case study
10. Write a code using switch statement for sorting the integer values using bubble sort and merge sort. Thereafter refactor the code and note the output.
11. Estimation of Test Coverage Metrics and Structural Complexity
12. Designing Test Suites