

**Parul University**  
**Faculty of IT & Computer Science**  
**Department of BCA**

**Course:** BCA/IMCA/BscIT

**Semester:** 03

**Subject Code:** 05101253

**Subject Name:** Basic Software Engineering

**Practical List**

1. Identify Project Scope & Objective for Student Information Management System.
2. Develop SRS document
3. Develop Data Dictionary
4. Develop Use Case Diagram.
5. Develop Class Diagram For ATM System.
6. Develop Activity Diagram for Student Information Management System.
7. Develop Sequence Diagram For Hotel Management System.
8. Develop DFDs for online shopping portal.
9. COCOMO Model.
10. Coding approaches study for implementing the design.
11. Prepare a test plan and test case for the given problem (Registration Form).
12. Perform Validation Testing.
13. Study of software quality matrices.

**Note: Come with Handwritten Copy of your journal at the time of Practical examination.**