



**University of Engineering & Management,
Kolkata**

Course: B.Tech (CSE / CSE (AIML) / CSE (IOT-CYS-BCT)

Semester: 5th

Paper Name: Software Engineering Laboratory

Paper Code: PCC-CSE593

Assignment List

Assignment 1:

1. Design a simple PHP page (including html, CSS) and build the connectivity with database & host the same using XAMPP or WAMP Server.

Assignment 2:

1. Design a webpage (with database connection) for Library Management System.

Assignment 3:

1. Design Software Requirement Specification for Library Management System
2. Design Software Requirement Specification for an E-Cart.

Assignment 4:

1. Capture the requirement of Library Management System using:
 - a. Decision Tree
 - b. Decision Table

Assignment 5:

1. Plot the curve of the Development Time vs. Size of the software project in COCOMO model.

Assignment 6:

1. Draw the Structure Chart for Library management system.
2. Draw the Structure Chart for Hotel Reservation System.

Assignment 7:

1. Draw the Gantt chart for Library management system.
2. Draw the Gantt chart for Online Examination System.

Assignment 8:

1. Draw the Class Diagram for Library management system.
2. Draw the Sequence Diagram for Library management system.

Assignment 9:

1. Design the Data Flow Diagram for a Super Market Prize Automation System. (PAS).
2. Design the Data Flow Diagram for Tic-Tac-Toe Game.

Assignment 10:

1. Design the test cases, test suite and Control Flow Graph for the following snippet: `Int gcd(int x, int y)`

```
1. { while(x!=y)
2. { if(x>y)
3. x=x-y;
4. else y=y-x; 5. }
6. return(x);
}
```

From the Control Flow Graph find McCabe's Cyclomatic Complexity for testing.

Assignment 11:

1. Design a complete project using Servlet-JSP with JDBC Connectivity and host the page.