



Assignment 3 – November 18, 2023

Course Title:	Software Engineering Concepts	Course Code:	CSC291	Credit Hours:	3
Course Instructor/s:	Dr. Junaid Akram	Program Name:	BCS		
Time Allowed:		Maximum Marks:		10	
<b><u>Important Instructions / Guidelines:</u></b>					

**CLO: <3>; Bloom Taxonomy Level: <Applying>**

1. Suppose that the system to develop is a medium sized (duration 1 year) system.
2. Construct the following (all) UML based architectural design models for your system.  
Please do consider all possible functions or processes in each diagram. Or maybe you can extend each diagram into two/three parts.
  - I. Use Case diagram.
  - II. Activity diagram
  - III. State diagram
  - IV. Component diagram
  - V. Class diagram (all possible classes)
  - VI. Object diagram
3. Every member must construct and elaborate at least one diagram and mention your name and ID on it.

**Key Notes:**

- It would be a group assignment (same group members as of previous assignment (1, 2))
- Same projects for every group as assigned in previous assignment (1, 2)
- Every member in the group must have to participate in the assignment
- Deadline is 27 November
- Must mention your group members on the first page, highlight name of group leader.
- File name must be “group number.”
- Only group leader upload assignment on the portal

**Note:**

- All systems should be web-based.

**Group \_12: Members**

**Project Title “Electric Power Plant Management System”**

1. FA21-BSE-080
2. SP19-BSE-079
3. Students who don't belong to any existing groups.