Fundamentals of Software Engineering

**Project Deliverable 3: System Decomposition, Architecture, and Plan**

**Due Date:25-May-2022 Group Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Group Members: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

This phase requires the students to develop System Architecture and provide a plan of work.

**Part 1:**

Develop architecture of the application under development by selecting suitable architecture styles and give an architecture diagram. Clearly state the architecture styles used in the architecture and the rationale behind using the architecture styles.

Important points of the criteria to be used for evaluation of this part are as follows:

* Is selection of the architecture styles appropriate?
* Is the architecture diagram complete and expressive?
* Have the architecture styles and justification for their use been mentioned?

**Part 2:**

Provide current status of your project. Also provide a project plan and estimated completion date and time for your project. While providing the plan include the activities performed so far to show the current state of the project. The activities should have names of group members who have worked on certain activities. For example you might have activity of preparing questions for meeting. Your plan and current status of work should indicate which group members worked on this activity. Durations of the activities should also be mentioned. **Use of Gantt chart(Microsoft Project) for showing the current status and future plan would be helpful. A table like the following can also help:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity / Work Item /Task** | **Assigned to** | **Performed by** | **Remarks** |
| Prepare questions | Person A – Roll No. 1 | Person A – Roll No. 1 |  |
| Analyze requirements | Person A – Roll No. 1 | Person B – Roll No. 2 | Some reason |
| Document Requirements | Person C – Roll No. 3 | Person A, B – Roll No. 1, 2 | A, B knew more about the project |
| … |  |  |  |

**Notes:**

Name of the submitted file should contain group name  
Submitted file should contain group name and roll numbers of all group members.