

CS 331 (Software Engineering Lab)

Assignment 4 (Total Marks = 20)

Some instructions:

1. Write the answers briefly, use bullet points to clearly articulate your answers.
2. You can use diagrams in relevant places for clearly showing different components of your software.
3. Unnecessarily long and confusing answers must be avoided.

Software architecture styles define the overall structure of a software system by providing a blueprint for how components interact.

- I. Choose an appropriate software architecture style (like *Layered Architecture*, *Microservices Architecture*, *Monolithic Architecture*, *Service-Oriented Architecture*, etc.) for your software engineering project. Also,
 - A. Justify how your software architecture falls in that specific category by defining the granularity of the software components.
 - B. Justify why this software architecture style is the best choice for your software engineering project considering scalability, maintainability, performance, and other requirements. **[Marks = 5+5=10]**
- II. Mention the components present in your software engineering project (i.e. application components). **[Marks = 10]**