

ASSIGNMENT-4

1. Define and explain about architectural model. Explain how is it derived with an example.
2. Define data design. Discuss about data design at architectural level.
3. Define design pattern. Describe it's intent.
4. What is software architecture? Why is it important?
5. What are data flow diagrams? Mention the various elements of a Data Flow Diagram and their use. Suggest why data flow diagrams are intuitive and easy-to-understand by non-technical staff.
6. Explain the different steps to be conducted for software design from project management point of view.
7. Explain how each step in Software Engineering process is a re_finement in the level of abstraction of the software solution.
8. State and explain the fundamental concepts that are applicable to all software design.
9. Consider the interactive application of Library management system and develop a design model and a user model.
10. (a) What are component and deployment diagrams? Differentiate between them.
(b) Elaborate on pattern based software design.
11. (a) What is data flow model? Explain the notations used in it.
(b) Discuss about the semantic data model of a software design.