**KLS’s Shri Vasantrao Potdar Polytechnic, Belagavi.**

**Dept of Computer Science and Engg.**

**Assignment Questions**

**UNIT-4**

2 Marks questions

1. Define risk.
2. What is risk mitigation? Explain.
3. Explain the importance if risk mitigation

3 Marks questions

1. List the risk management activities.
2. List and explain the 3 factors of risk planning.

5 Marks questions

1. List and explain characteristics of risk.

7/8 Marks questions

1. List and explain categories of risk.
2. Explain risk management activities with a neat diagram
3. Explain principles of risk management.
4. Explain the purpose of risk monitoring.

**UNIT-5**

2 Marks questions:

1. List the stages of design thinking
2. Define design thinking

7 Marks question:

1. Analyse the process of design thinking with an example

8 Marks question:

1. Explain how design thinking stages can be applied to build a software project with a neat diagram

**Unit-6**

2 Marks questions:

1. Compare allocated and derived requirements
2. List requirement modelling strategies.
3. Define use case
4. Define sequence diagram
5. Define activity diagram
6. Define flow diagram

3 Marks questions:

1. Understand qualities of a good requirements specification document
2. How could you explain different types of feasibility study.
3. Understand challenges faced in elicitation of requirements.
4. Understand the techniques for validation od requirements.

7 Marks questions:

1. Analyse and explain different diagrams that can be used in requirements process.

8 Marks questions:

1. Explain the steps that can be used in requirements engineering with a neat diagram.
2. Explain different parameters to be considered while deciding upon the requirements engineering model, with a neat diagram.

**UNIT-7**

2 Marks questions:

1. Define user story map.
2. Define a story point.
3. Define Epic.

3 Marks questions:

1. List the tips to be considered while writing the user stories.
2. Understand the 3 C’s of user stories.
3. Explain the MoSCoW prioritization for user stories.
4. Understand the standards used to ensure that the user story is a good story.
5. What are the benefits of story point.

7 Marks questions:

1. Analyse the different steps involved in estimation process.

8 Marks questions:

1. List and explain the key elements that can be used while writing user stories.
2. List the qualities to be considered while creating user stories for the software to be developed.

**UNIT-8**

2 Marks questions:

1. Define software design.
2. Define architectural style.

3/4 Marks questions:

1. List different levels of design.

7 Marks questions:

1. Analyze and explain different objectives of design.
2. Analyze and explain the levels of design.

8 Marks questions:

1. Explain the concepts to be used while designing the software.