



Assignment-2

Short Questions (1-2 Marks)

1. Define **Requirement Engineering**. [CO1]
2. What are **functional requirements**? [CO3]
3. What are **non-functional requirements**? [CO3]
4. List any two **types of requirements**. [CO3]
5. What is **feasibility study** in requirement engineering? [CO1]
6. Define **requirement validation**. [CO3]
7. What is the purpose of **requirement elicitation**? [CO3]
8. What is the difference between **user requirements** and **system requirements**? [CO3]
9. What is **scope creep** in requirement engineering? [CO4]
10. What are the key challenges in **requirements gathering**? [CO4]

Long Questions (5-10 Marks)

1. Explain the **Requirement Engineering Process** with a suitable diagram. [CO1]
2. Describe different types of **software requirements** with examples. [CO3]
3. What are the main **techniques for requirement elicitation**? Explain with examples. [CO3]
4. Discuss the importance of **requirement analysis** in software development. [CO1]
5. Explain **functional vs. non-functional requirements** with suitable examples. [CO3]
6. What is **requirement validation**? Discuss different methods used for validation. [CO3]
7. Explain the concept of **Software Requirement Specification (SRS)** and its components. [CO3]
8. Explain the common **problems and challenges in requirement engineering** and suggest solutions. [CO4]