

KCA352: Software Engineering Lab

Course Outcome (CO)

Bloom's Knowledge Level (KL)

At the end of course, the student will be able to understand

CO 1	Identify ambiguities, inconsistencies and incompleteness from a requirements specification and state functional and non-functional requirement.	K ₂ , K ₄
CO 2	Identify different actors and use cases from a given problem statement and draw use case diagram to associate use cases with different types of relationship.	K ₃ , K ₅
CO 3	Draw a class diagram after identifying classes and association among them.	K ₄ , K ₅
CO 4	Graphically represent various UML diagrams and associations among them and identify the logical sequence of activities undergoing in a system, and represent them pictorially.	K ₄ , K ₅
CO 5	Able to use modern engineering tools for specification, design, implementation and testing.	K ₃ , K ₄

DETAILED SYLLABUS

For any given case/ problem statement do the following;

1. Prepare a SRS document in line with the IEEE recommended standards.
2. Draw the use case diagram and specify the role of each of the actors.
3. Prepare state the precondition, post condition and function of each use case.
4. Draw the activity diagram.
5. Identify the classes. Classify them as weak and strong classes and draw the class diagram.
6. Draw the sequence diagram for any two scenarios.
7. Draw the collaboration diagram.
8. Draw the state chart diagram.
9. Draw the component diagram.
- 10.** Draw the deployment diagram.