



School of Computer Science Engineering and Information Systems

CONTINUOUS ASSESSMENT TEST - 2 WINTER SEMESTER 2024-2025

Programme Name & Branch : M.Tech(SE)

Course Code and Course Name : ISWE202L- Requirements Engineering and Management

Faculty Name(s) : Prof.KAMALAKANNAN J, Prof.JAGADEESH G ,Prof.VENKATESH P,
Prof.SREE DHARINYA S

Class Number(s) : VL2024250503386,3389,3390,3391

Date of Examination : 20 -03-25

Exam Duration : 90 minutes

Maximum Marks: 50

General instruction(s):

- Answer All Questions

M - Max mark; CO – Course Outcome; BL – Blooms Taxonomy Level (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)

- Course Outcomes

CO3-Apply the various strategies of the requirement elicitation process and appreciate the challenges of requirement elicitation.

CO4-Appreciate the various methods of defining a system and scope management

Q. No	Question	M	CO	BL
1.	A <u>fintech startup</u> is developing a <u>mobile banking app</u> that allows users to manage accounts, transfer money, and track expenses. User enters <u>credentials</u> and completes <u>two-factor authentication</u> . User is expected to input the transfer amount, selects a <u>payment method</u> , and reviews <u>transaction details</u> . During the initial development phase, the product team struggles to define clear user requirements, leading to frequent misunderstandings between developers, designers, and stakeholders. Apply <u>story boarding</u> technique to define requirements and specify how this is play vital role in requirements engineering to help the team align their vision, improve communication, and create a user-friendly product?	10	CO3	BL-3
2..	A <u>hospital</u> is planning to have an “ <u>online Hospital Management System</u> ” for <u>patients</u> to <u>book doctor consultations</u> . It is expected that the system has to allow the patient to <u>reschedule or cancel appointments</u> , doctors are expected to <u>notify the appointment detail</u> . It should also allow the <u>administrative staff</u> to manage schedules effectively. The <u>test results</u> has to be viewed by the doctor. <u>Discharge summary</u> has to be printed during discharge of the patient. You can also consider more information related to this system and Develop a <u>use case model</u> by applying step-by-step guide to build the use case model which will help in refining the system .Specify the relationship between use cases and give the use case specification for “Book Appointment” and “Manage Schedule”	10	CO3	BL-4



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3.	a.What is feature creep ?Discuss how to reduce scope of the project. Who should not be considered while prioritizing the features of the project and which element has to be considered during assessment of effort for features?.(5) b.Discuss the primary role and supporting of product manager to build product which can be preferred by the customer to buy the product.(5)	10	CO4	BL-3
4.	You are a <u>Business Analyst</u> working for a software development company. Your team has been approached by a client who wants to develop a <u>new e-commerce platform</u> to compete with existing giants like <u>Amazon</u> and <u>eBay</u>. The client has ambitious goals, but they are unclear about the exact features and priorities of the system. Your manager asks you to prepare a Vision Document to guide the development process and align all stakeholders. Develop the vision document with all key elements for this e-commerce platform.	10	CO4	BL-4
5.	A software development team is building an e-learning platform that allows <u>students to watch video lectures, submit assignments, and participate in quizzes</u>. While <u>functional requirements</u> define core system operations, the team realizes they need additional details regarding performance, security, usability, and legal constraints to ensure a high-quality system.Prepare a Supplementary Specification document which can help in defining and managing these non-functional requirements with all its key elements.	10	CO4	BL-4