



School of Computer Science Engineering and Information Systems

**CONTINUOUS ASSESSMENT TEST - I
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.SENTHIL KUMAR P,Prof.SREE DHARINYA S
Class Number(s) : VL2024250503386,3389,3390,3391
Date of Examination : 31-01-25
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

CO1-Understand the importance of requirement engineering management and change management.

CO2- Illustrate the various problem analysis techniques.

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

Q. No	Question	M	CO	BL
1.	a).What are three broad categories of software application? and give an example for each type.(5) b).Discuss the factors that caused projects to be "Success" and "Failure".(5)	10	CO1	BL-1
2.	a).Differentiate Needs, Features, Requirements and give an example for each.(3) b). Discuss how the iterative approach is significant in software development with a neat sketch.Illustrate the tasks to be completed in each phase and their outcomes.(7)	10	CO1	BL-2
3.	Apply Five steps followed for problem analysis on the given problem statement to capture the user's needs and to propose solutions to meet the needs Many banking applications suffer from slow transaction processing times, inadequate security features, and unintuitive user interfaces. Customers are increasingly frustrated by difficulty in navigating the app and concerns over data privacy. There is a need for a mobile banking app that offers faster transactions, stronger security measures, and a more user-friendly design.	10	CO2	BL-3



VIT

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

REG.NO.:

SLOT:E2+TE2

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4.	Develop Business use case model and Apply system engineering problem analysis to decompose the system given below. In many hospitals, managing patient care, administrative tasks, and healthcare resources is challenging due to fragmented systems and manual processes. This often leads to inefficiencies, delays, errors, and a lack of real-time data, which can negatively impact patient outcomes and overall hospital performance. To overcome these problems develop a software .Identify the actors and the requirements to address the issues which are mentioned in the problem description.	10	CO3	BL-4
5.	Discuss the interviewing process and apply the same to gather the requirements for the following problem With the growing demand for flexible, accessible, and scalable education, traditional learning systems are often unable to meet the needs of diverse learners, particularly in a rapidly evolving digital world. E-learning platforms have emerged as a solution and this e-learning system will enable learners to access high-quality education from anywhere, at any time, while fostering engagement, collaboration, and continuous improvement in learning outcomes. It will also address the limitations of traditional learning methods by leveraging technology for more efficient and effective education.	10	CO3	BL-4