



Slot : D2 + TD2

School of Computer Science Engineering and Information Systems

Fall Semester 2023-2024

Continuous Assessment Test – I

Programme Name & Branch : MTech Software Engineering

Course Name & code: ISWE101L – Software Engineering

Class Number (s): VL2023240105854, VL2023240105856, L2023240105858, VL2023240105860
VL2023240105861

Faculty Name (s) : Dr Karthikeyan P, Dr Sweta Bhattacharya, Dr Krithika LB, Dr Jagadeesan S,
Dr Jagadeesh G

Exam Duration: 90 Min.

Maximum Marks: 50

Q.No.	Question	Max Marks
1.	Assume that you are required to collect data for purchase orders and approving those orders on the same day of purchases. Vendors have to be informed about the process of purchases and its approvals immediately once the products are dispatched. You are required to build a platform that gives you more than just basic functionality. Apply the suitable software process model for the mentioned scenario and explain with required functionalities.	10
2.	Quote 1: "Software testing is the process of assessing the functionality of a software program." Quote 2: "The process checks for errors and gaps and whether the outcome of the application matches desired expectations before the software is installed and goes live." <i>"Prove that testing activities start with the first stage of software development will give higher success rate than "Testing" which is done in at the end of the software engineering phase."</i> From the above quotes Identify the two process models involved and clarify the advantages and disadvantages of the process models.	10
3.	Develop a complete use case for the following activities with clear use case descriptions. a. Creating a user account in online shopping application using Gmail Account. b. Cancellation of purchase in online shopping before the product is dispatched.	10

interview
feedback
questionnaire

4.	As a software engineer you have undertaken the responsibility to collect requirements from stakeholders for a software project construction. Expound the available requirement gathering techniques with clear description to collect the interest and needs of the stakeholders.	10
5.	Assume that you are a Business Analyst in a software development company. A New Project Titled "Student's Portal" Application was assigned to you to collect requirements from clients. "Student's Portal" application is required the colleges to support the students to share materials, upload assignments & projects. Identify and list the functional and non-functional requirements for the mentioned application.	10

5 functional
5 nonfunctional