Examination: Quiz 1 Duration: 20 min

Semester: Spring 2024 Full Marks: 15

CSE 470: Software Engineering

Name: ID: Section:

The IT team at "EnergyScape Tech" encountered a challenge in managing a critical task. Recognizing the necessity for a software solution, the team searched for the ideal partner and chose to collaborate with "InnoTech Solutions," a renowned software company. Salman Khan, the team lead at "InnoTech Solutions," assured EnergyScape Tech that the company has a team of highly proficient engineers but they need to go through a training process to be well-equipped in developing projects and providing robust technological support. Salman proposed that they want to develop the whole software with multiple releases. Though it needs a certain amount of time to develop the project, they can divide the software into a fixed number of versions to be released, ensuring that the software could be utilized from the beginning. This approach aligned with the customer's desire for a prototype version from the start. To address the dynamic nature of the requirements, Salman proposed engaging in a parallel stage. Moreover, the versions would be prioritized by the customers. The collaboration between EnergyScape Tech and InnoTech Solutions made a successful delivery of the software solution.

| **1.** | **CO1** | 1. **Which** SDLC would Salman Khan select for the software development, and justify your choice? [5] Ans; Incremental 2. **What** could the implementation process for the above SDLC. [2] Ans: Steps of Incremental 3. After 3 days of working, the head of "PetroTech Industries" expressed to incorporate additional functionalities into the software. Based on the selected model, is it feasible to implement these changes? Justify your response. [5] Ans: Possible 4. If the team decides to create documentation after the development, **what** are the advantages and disadvantages of the chosen model in the above scenario? [3]   Ans; Adv and DisAdv of Incremental | **15** |
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