

**VIT**

Vellore Institute of Technology

Reg. No. :

21MS1011

Final Assessment Test (FAT) - May 2024

Programme	M.Tech. (Integrated)	Semester	WINTER SEMESTER 2023 - 24
Course Title	SOFTWARE PROJECT MANAGEMENT	Course Code	SWE2006
Faculty Name	Prof. V. Sakthivel	Slot	A2
		Class Nbr	CH2023240502040
Time	3 Hours	Max. Marks	100

General Instructions:

- Write only Register Number in the Question Paper where space is provided (right-side at the top) & do not write any other details.
- Only non-programmable calculator without storage is permitted

Answer all questions (10 X 10 Marks = 100 Marks)

01. You work for a small research organization with a number of branches throughout the country. As of this moment, each of these branches are using different database system. It has been decided by Head Office that the database system used by your branch should be expanded and then used by all the other branches, to replace their existing database systems. They would need to transfer all their data to this expanded database on the main server which would be located in the organization's offices. A network would be set up linking all the branches to this main server.
- i. List and explain different types of stakeholders in this new project. [5 marks]
- ii. Identify their main concerns and their stake in the project. [5 marks]
02. Sarah is responsible for leading the development of a new mobile application for a fitness and wellness startup. The primary aim of the application is to offer users personalized workout plans, nutrition tracking, progress monitoring and access to virtual fitness classes. Given the startup's commitment to launching the app within six months to take advantage of the thriving health and fitness market, Utilize a systematic approach to project planning to ensure the effective development and deployment of the mobile application, taking into the consideration of project's scope, timeline, resource distribution and key objectives. [10]
03. Assume that you are a project analyst of a multinational IT and management consultancy company. You are asked to conduct a financial analysis on one of your company 'Project X'. 'Project X' is a supply chain management project for a logistic company with an initial investment of Rs.36,00,000 (Thirty-Six Lakhs). The appropriate discount rate for the 'Project X' is 14%. The cash inflows for ten years are given as:
- Cash Flow at end of Year 1: Rs. 5,00,000 (5 Lakhs)
- Cash Flow at end of Years 2 through 6: Rs. 6,25,000 (Six Lakh twenty-five thousand) per year
- Cash Flow at end of Year 7 through 9: Rs. 5,30,000 (Five Lakh thirty thousand) per year
- Cash Flow at end of Year 10: Rs. 3,85,000 (Three lakh eighty five thousand) per year [10]