School of Business
Master of Business Administration MBA Dual Specialization
Mid Term Examination - Mar 2024

Duration : 90 Minutes
Max Marks : 50

Sem IV - MBIT6007 - Software Project Management

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1) Explain, in detail, how the Capability Maturity Model Integration (CMMI) can be applied in software development processes to achieve higher maturity levels. Provide examples of specific process areas and practices that contribute to the improvement of the software development process.
K5 (5)

2) Identify how you would apply key project management principles to ensure the success of the e-commerce platform development project. Provide specific examples of how you would manage the project scope, schedule, and resources effectively.
K3 (6)

3) You are the project manager for a software development project that involves creating a mission-critical system for a space exploration mission. The project has strict deadlines, and failure could result in significant consequences. Analyze how you would balance the need for a reliable software system with the constraints of time and resources.
K4 (8)

4) You are leading a large-scale software development project for a multinational corporation HDFC Bank that aims to launch a new product. The project involves multiple teams across different geographical locations, each with diverse skill sets.
K3 (9)

　1) Describe the key challenges in managing a globally distributed software development team. (4 Marks)
　2) Discuss specific strategies and methodologies you would implement to ensure effective communication, collaboration, and coordination among the teams. (5 Marks)

5) Taking charge of a substantial software development endeavor for EnterpriseTech Solutions, you are overseeing the implementation of a Customer Relationship Management (CRM) system for a multinational corporation. This ambitious project involves seamless integration with existing systems, a focus on scalability, and aims to elevate customer engagement.

K5 (10)

Q1. Considering the complexity of integrating with existing systems and the need for scalability, discuss the choice of a suitable software process model for the CRM system development project. (5 Marks)

Q2. Explain the specific activities and methodologies you would adopt to manage the project effectively, addressing both technical and managerial aspects.(5 Marks)

6) Teach Mahindar Corporation is embarking on a software development project and is considering integrating DevOps practices into their project planning.

K6 (12)

1) Plan how the incorporation of DevOps principles can enhance collaboration, streamline workflows, and contribute to the overall success of the project. (Marks 6)

2) Provide specific examples of how continuous integration and continuous deployment (CI/CD) pipelines could be utilized.(Marks 6)