

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURAJADA VIZIANAGARAM
III B. Tech I Semester Regular/Supplementary Examinations, April/May -2025
SOFTWARE PROJECT MANAGEMENT

(CSE)

Time: 3 hours

Max. Marks: 70

Answer any **FIVE** Questions **ONE** Question from **Each unit**

All Questions Carry Equal Marks

		<u>UNIT-I</u>	
1.		Discuss about the conventional software development process and elaborate on how it differs from agile methodology.	[14M]
		(OR)	
2.		Elaborate on pragmatic software cost estimation and discuss the key parameters that are effective in improving team effectiveness.	[14M]
		<u>UNIT-II</u>	
3.		Present a critical analysis of the various activities conducted in the inception and elaboration phases of software project management.	[14M]
		(OR)	
4.		Discuss the Engineering and pragmatic artifacts, and provide a critique of the construction and transition phases of software project management.	[14M]
		<u>UNIT-III</u>	
5.		Write a report on the management perspective of Model-Based Software Architecture and elaborate on iterative workflows.	[14M]
		(OR)	
6.		Explain the significance of checkpoints as crucial metrics and milestones in software development, and discuss the essential characteristics of a Work Breakdown Structure (WBS).	[14M]
		<u>UNIT-IV</u>	
7.	a)	Explain the concept of process automation in software projects.	[7M]
	b)	Describe the role of metrics in software project management.	[7M]
		(OR)	
8.	a)	Discuss the building blocks of a process automation system.	[7M]
	b)	Elaborate on how metric automation enhances project visibility.	[7M]
		<u>UNIT-V</u>	
9.	a)	Discuss Agile methodology and explain how it differs from other software development approaches.	[10M]
	b)	Elaborate on Orchestration and the DevOps delivery pipeline.	[4M]
		(OR)	
10.	a)	Mention the list of the DevOps technology stack and present a comparative study among them.	[7M]
	b)	Discuss a few challenges faced in adopting DevOps in projects and how to adapt and transition to Scrum with different adaptation patterns	[7M]
