

Code: 20IT4701C

**IV B.Tech - I Semester – Regular / Supplementary Examinations
OCTOBER 2024**

**ELEMENTS OF SOFTWARE PROJECT MANAGEMENT
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

Note: 1. This paper contains questions from 5 units of Syllabus. Each unit carries 14 marks and have an internal choice of Questions.
2. All parts of Question must be answered in one place.

BL – Blooms Level

CO – Course Outcome

			BL	CO	Max. Marks
UNIT-I					
1	a)	Illustrate the principles of conventional software engineering.	L3	CO1	7 M
	b)	Articulate the predominant process used for the pragmatic software cost estimation.	L2	CO1	7 M
OR					
2	a)	Outline the three main objectives of conducting a peer inspection in a software development project.	L4	CO1	7 M
	b)	Analyze the challenges associated with improving automation in software project management.	L4	CO1	7 M
UNIT-II					
3	a)	What are the modern process approaches for solving conventional problems?	L2	CO1 CO2	7 M

	b)	Explain in detail inception, elaboration phases in s/w project management.	L2	CO2	7 M
OR					
4	a)	Discuss artifact sets in software project management.	L2	CO2	7 M
	b)	Illustrate the engineering and production stages in s/w management.	L3	CO2	7 M
UNIT-III					
5	a)	Write about management perspective of model-based software architecture.	L3	CO1 CO2	7 M
	b)	Describe Iteration workflows.	L2	CO2	7 M
OR					
6	a)	Describe major mile stones in Checkpoints of the process.	L2	CO1 CO2	7 M
	b)	Explain Software process workflows in detail.	L2	CO2	7 M
UNIT-IV					
7	a)	Discuss planning guidelines, cost and schedule estimation.	L2	CO1 CO3	7 M
	b)	Outline the Automation Building blocks of Process Automation.	L4	CO1 CO3	7 M
OR					
8	a)	Explain line of business organization in detail.	L4	CO1 CO3	7 M
	b)	Discriminate Iteration planning process and Pragmatic planning in detail.	L4	CO1 CO3	7 M

UNIT-V					
9	a)	Explain Process Flexibility or Rigor in detail.	L3	CO1 CO4	7 M
	b)	Describe Budgeted Cost and Expenditures and Staffing and team Dynamics.	L2	CO1 CO4	7 M
OR					
10	a)	Discuss Management indicators and quality indicators in detail.	L2	CO1 CO4	7 M
	b)	Illustrate life cycle expectations and pragmatic Software Metrics.	L2	CO1 CO4	7 M