

SCHOOL OF COMPUTER SCIENCE AND ENGINEERING MID TERM EXAM

SUMMER SEMESTER 2024-2025

: M. Tech & MIC/MID

Programme Name & Branch

Course Code and Course Name : CSI3015, Software Project Management

Faculty Name(s) Class Number(s)

: Prof. DEEPA D, Prof. ADRIJA B, Prof. SHARMIA C : VL2024250700166, VL2024250700188, VL2024250701093

Date of Examination

: 10.06.2025

Exam Duration

:90 minutes

Maximum Marks:50

SLOT: E1+E2+TE1+TE2

REG.No.:

General instruction(s):

Answer All Questions

M- Max mark; CO – Course Outcome; BL – Blooms Taxonomy Level (1 – Remember, 2 – Understand, 3 – Apply,4 – Analyse,5 – Evaluate,6 – Create)

Course Outcomes:

CO1: Actively participate or successfully manage a software development project by applying project management concepts

CO2: Demonstrate knowledge of project management terms and techniques

CO3: Analyze the Steps involved in analyzing the Software projects and concepts to meet the estimation of the software Projects.

Q.No				Question			
1.	Draw th	e networ	k diagram for	the given data. Determine the earliest and	M	CO	BL
	Tacese ci	mes, the	total float for n time and the	eachactivity the critical	*		
	Activity	Predecessor Activity	Duration (Weeks)				
	Α	-	12				
	В	A	7				
	C	A	11				
	D	Α	8		10	CO3	3
	E	A	6				
	F	В	10				
	G	С	9				
	Н	D, F	14				
	1	E, G	13				
,	J	Н, І	16				
2.	a) Consider the development of a new e-commerce application. Identify and explain sample project milestones and key deliverables at different stages of the development lifecycle.(3) b) Draw a diagram showing the work break down structure (WBS) for the system.(7)					CO2	3
3.	a) Briefly describe any five Project Management knowledge areas. (5) b) A renowned hospital is developing a new e-health platform primarily to help patients. Identify the internal and external stakeholders of the software system. (5)						2
4.	a)Expla Describ (6)	in the cor e common	ncept of Risk Frisk categorie	Categorization in Project Risk Management. es and provide two examples of Business Risk.	10	C03	3

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	b) Illust about th	rate the Ri le importan	sk Managem ce of Risk Mo	ent Process onitoring in t	with a simp	le diagram and brie (4)	f	
5.	A projec	ct consists	of seven acti	ivities with t	the following	timeestimates. Fin	-1	
	A project consists of seven activities with the following timeestimates. Find the probability that the project will be completed in 30weeks or less. $[Z_{1414}=0.4207]$							
		Predecessor	Optimistic	Most likely	Pessimistic			
	Activity	Activity	time estimate	time estimate	time estimate			
		,	(to days)	(tm days)	(tp days)			
	A	-	2	5	8		10	CO
	В	A	2	3	4			
	С	A	6	8	10			
	D	A	2	4	6			
	E	В	2	6	10"			
-	F	С	6	7	8			
	G	D, E, F	6	8	10			
						1		