Learning Journal -3

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Course: SOEN 6841 Software Project Management

Journal URL: https://github.com/mmobbu/SPM

Dates Rage of activities: 6 February 2025 to 20 February 2025

Date of the journal: 22 February 2025

Key Concepts Learned:	Applicatio n in Real	Peer Interactions:	Challenges Faced:	Personal	Goals for the Next Week:
Learned:		interactions:	raced:	development activities:	next week:
	Projects:			activities:	
1.Software project	1.Project	1.Investigated	1.Lack of	1.Examined	1.Gain a deeper
attributes:	initiation	function point	ability to	Agile	insight into risk
invisibility,	understan	analysis in	distinguish	estimation	management
complexity,	ding	study groups	between	techniques	techniques in
conformity, and	assisted	and	different	like T-Shirt	software
flexibility.	me in	compared it	estimation	Sizing and	projects.
2.Project	establishin	to story points	techniques	Planning	2. Discover Agile
management	g well-	in Agile.	and when to	Poker.	estimation
phases: initiation,	defined	2. Contended	apply each.	2.Attended	techniques and
planning, monitoring	objectives	whether	2.Grasping	few online	how they work
& control, and	and scope,	analogy-	the	classes on	better than the
closure.	minimizing	based	boundaries	software	old ones.
3. Project Division: A	project	estimation is	of	project	3.Research
method where	failure	reliable in	experience-	management	cloud and AI-
professionals	risks.	current	based	risk	based software
estimate effort and	2.Methods	software	estimation	assessment.	project cost
cost prior to bidding	like	projects.	in ever-	3.Used	estimation.
on the project.	function	3.Learned	evolving	estimation	4.Identify
4.Function Point	point	from feedback	technology	tools such as	research
Analysis (FPA):	analysis	on improving	environment	JIRA and	automation tools
calculates software	and	project	s.	Trello to hone	for estimating
size using function	analogy-	scheduling	3.Understan	project	effort and cost to
points, which are	based	using	ding cost	planning.	reduce human
tied to end-user	estimation	automated	models, in		dependency.
interactions.	helped	tools.	this case,		
5.Wideband Delphi	with	4.Understood	COCOMO,		
Technique:Involves	budgeting	the practical	because of		
a number of expert	and	budgeting	its		
judgments to	resource	challenges in	complexity.		
improve effort	planning.	real life.	4.More		
estimates.			actual-		
			world		

6.Algorithmic Cost			project		
Modeling: Using			estimating		
mathematical			case		
formulas that rely on			studies.		
project attributes.			5.How to		
7.COCOMO Model:			incorporate		
Empirical cost			estimation		
estimation model			techniques		
with several sub-			to enhance		
models based on			accuracy.		
project phases.					
1.Definition of risk	1.An	1.Talked	1.Quantitati	1.Researched	1.Improve
and its potential	official risk	about peer	ve risk	more	understanding of
impact on software	manageme	risk	assessment	sophisticated	risk mitigation
projects.	nt plan in	prioritization	models	risk	strategies and
2.The need for	agile	methods,	needed to	management	their application
iterative	projects	including how	be	models	in software
development to	minimized	they learned	understood	beyond the	development.
minimize risks.	uncertainti	about actual	through	textbook,	2.Investigate
3.How risk	es.Prioritiz	case	further	such as FAIR	industry-
prioritization is used	ation of	scenarios of	research.	(Factor	standard
in software	risks in	risks.	2.The	Analysis of	configuration
development.	early	2.Provided a	application	Information	management
4.Importance of	developme	group	of Goldratt's	Risk).	tools
traceability and	nt phases	discussion of	critical	2.Practiced	3. Employ
version control in	prevented	best practices	chain	creating a	scheduling
preventing software	cost	for software	technique to	Work	techniques like
defects.	overruns	configuration	real-world	Breakdown	Gantt charts and
5.Manage change	and delays.	management,	applications	Structure on a	CPM with project
request strategies	2.With the	namely how	seemed to	hypothetical	management
and baselining	use of	version	be	project to	software.
software	tools like	control can	cumbersom	reinforce	4. Link learnings
components.	Git,	prevent	e due to the	project	to eventual
6.The function	Jenkins, or	software	nature of	planning	career
responsible for	CI/CD	deployment	software	concepts.	objectives by
authorizing changes	pipelines,	issues.	projects.	3.Performed	indicating how
by configuration	version	3.Obtained		case studies	ideas in project
control boards	control and	feedback on		of	management are
(CCB).	change	project		unsuccessful	utilized in
7.Components of a	manageme	scheduling		software	leadership
software project	nt were	techniques,		projects to	positions in
plan: scheduling,	enhanced.	confirming the		determine	software
budgeting, resource		importance of		risk factors	engineering.
planning,		adaptable		and	
communication		planning in		mitigation	
planning, and		agile		strategies.	
quality planning.		environments.			