Duratio	n(Hour)	21	21	21	21	21	
	SLO-1	Introduction to software Engineering	System Engineering	Introduction to Testing	Project Management Spectrum	Risk Management	
S-1	SLO-2	Characteristics of software	Components of System Engineering	Definition , Characteristics of Testing	Four P's	Reactive and Proactive Risk Strategies	
60	SLO-1	The Changing Nature of software	Requirements Engineering Tasks	Testing Strategies for Conventional Software	The People and the Product	Software Risks	
S2	SLO-2	Legacy Software and Software myths	Process, Initiating and Eliciting requirements.	Unit testing and Integration testing	Role of People	Risk Identification and Risk Projection	
S3	SLO-1	A Generic view of process Software Engineering	Building the Analysis Model	Validation Testing	The Process and the Project	Risk refinement	
	SLO-2	A layered Technology	Analysis Modeling Approaches	Verification Vs Validation	Role of Process	Risk Mitigation	
	SLO-1	Laboratory1:Identifing	FE =// 1.4			Laboratory 13:	
S4 –S7	SLO-2	Project Objective and	Laboratory 4:Project Planning	Laboratory 7: Function Oriented Diagram	Laboratory 10:Test Case design for unit testing	Preparation of Timeline charts and Tracking the Scheduling	
00	SLO-1	A pro <mark>cess f</mark> ramework	Data Modeling Concepts	System Testing	Metrics for Process and Projects-Estimation	Monitoring and Management	
S8	SLO-2	Capability Maturity Model Integration	Example Diagram	Non-Functional testing	LOC, FP, Object Oriented.	Example	
S9	SLO-1	Process Models	Scenario based Modeling	Debugging Process	Estimation	Quality Concepts	
6	SLO-2	Water fall, RAD model	USE-CASE Diagram	Testing Tactics	Estimation models	SQA Activities	
\$10	SLO-1	Iterative Process Models	Flow Oriented Modeling	White Box Testing, Basic-Path testing	The Project Planning Process	Software Reviews and FTR	
S10	SLO-2	Incremental ,Prototype and Spiral	Data Flow Diagram	Cyclomatic complexity calculation	Resources	Statistical Quality Assurance	
	SLO-1	Laboratory 2:Selection of	Laboratory 5:Performing	THAT . LEA	Laboratory 11:Test	Laboratory 14:	
S11-14	SLO-2	Suitable software process Model of the suggested system	Various Requirement Analysis	Laboratory 8:User's View Analysis	Case design for Integration testing	Estimation of Effort and Risk Identification	
S-15	SLO-1	Prescriptive models			Decomposition Techniques	The Software Configuration Management	

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	SLO-2	Phases of the model	Example	Equivalence Partitioning	calculations of Decomposition techniques	SCM Repository	
S-16	SLO-1	Specialized Process Models	Software Design Concepts	BVA , Error Guessing		Business Process Reengineering	
3-10	SLO-2	The Unified Process Model	Example Diagrams	Cause-Effect Graphing	ICCICIONICI MODEL	Reengineering Diagram and Example.	
	SLO-1	An agile view of Process	The Design Model	Testing for Specialized Environments	Project Scheduling Concepts	Reverse Engineering	
S-17		Case study on Best SDLC selection based on the Scenario	Examples for all designs	Preparation of Test case Plan and Report	Examples	Forward Engineering	
	SLO-1	Laboratory 3:Problem	Laboratory 6:Develop Software Requirement	Laboratory 9:Structure		Laboratory 15: Software Quality Assurance Components.	
S18-21	SLO-2	Statement Preparation	Specification Sheet (SRS)	view diagram	Testing and Debugging for a sample code		

Engineering: Principles and Practice, McGraw Hill Education Pvt. Limited, New Delhi. International Function Point User Group, April 2000. 5. Carlo Ghezzi, Mehdi Jazayari, Dino Mandrioli (1991), Fundamentals of Software Engineering, Prentice Hall of India, New Delhi.
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Bloom's Level of Thinking		Continous Learning Assessment(50% Weightage)							Final Examination (50%		
		CLA - 1 (10%)		CLA - 2 (10%)		CLA -	3 (20%)	CLA – 4	1# (10%)	weightage)	
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	20%	20%	15%	15%	15%	15%	15%	15%	15%	15%
	Understand	- /			The same		4				
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
	Analyze			0			1//				
Level 3	Evaluate	10%	10%	15%	15%	15%	15%	15%	15%	15%	15%
	Create			100	A 74 16						
	Total	10	0 %	10	0 %	10	0 %	10	0 %	1009	%

CLA - 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc

Course Designers							
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