

SSN COLLEGE OF ENGINEERING, KALAVAKKAM
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BE (CSE) IV Sem Section A

Academic Year: 2017-2018 ODD

Batch : 2016-2020

Content Delivery Methods (CDM) :

Instructor : Dr. R. Kanchana

Powerpoint presentations\Projector\Use of ICT\Chalk and Blackboard (for all topics);

T: Tutorial for few lectures

GD: Group discussion for 2 topics

Assessment Tools :

Unit Tests

S.No	Unit No	Topic	CDM	No of Hrs (plan)	No of Hrs (actual)	Remarks
1	UNIT 1 (9 Hrs) SOFTWARE PROCESS AND PROJECT MANAGEMENT	Introduction to Software Engineering Models		1		
2		Software Process, Perspective and Specialized Process Models		1		
3		Software Project Management: Estimation – LOC and FP Based Estimation	T	2		
4		COCOMO Model	T	1		
5		Project Scheduling – Scheduling, Earned Value Analysis		2		
6		Risk Management		2		
		Planned Hours		9		
1	UNIT 2 (9 Hrs) REQUIREMENT ANALYSIS AND SPECIFICATION	Software Requirements: Functional and non-functional requirements		1		
2		User requirements and System requirements		1		
3		Software Requirements Document	T	1		
4		Requirement Engineering Process: Feasibility Studies		2		
5		Requirements elicitation and analysis	GD	1		
6		Requirements validation & requirements management		1		
7		Classical analysis: Structured system Analysis	T	1		
8		Petri Nets- Data Dictionary		1		
		Planned Hours		9		
1	UNIT 3 (9 Hrs) SOFTWARE DESIGN	Design process & Design Concepts		2		
2		Design Model– Design Heuristic		1		
3		Architectural Design & Architectural styles		1		
4		Architectural Mapping using Data Flow	T	1		
5		User Interface Design: Interface analysis, Interface Design		2		
6		Component level Design: Designing Class based components, traditional Components	T	2		
		Planned Hours		9		

1	UNIT 4 (9 Hrs) TESTING AND IMPLEMENTATION	Software testing fundamentals-Internal and external views of Testing		1		
2		white box testing- basis path testing-control structure testing	T	2		
3		Black box testing		2		
4		Regression Testing, Unit Testing, Integration Testing, Validation Testing		1		
5		System Testing and Debugging		1		
6		Software Implementation Techniques		1		
7		Coding practices-Refactoring.		1		
		Planned Hours		9		
1	UNIT 5 (9 Hrs) PROJECT MANAGEMENT	Estimation – FP Based, LOC Based, Make/Buy Decision	T	1		
2		COCOMO II		1		
3		Planning – Project Plan, Planning Process, RFP		2		
4		Risk Management – Identification, Projection, RMMM	GD	1		
5		Scheduling and Tracking		1		
6		Relationship between people and effort, Task Set & Network		1		
7		EVA, Process and Project Metrics.		2		
		Planned Hours		9		
		UT answer key discussion		3		
		Tutorials		3		

Total

51

Prepared by

Verified by

Approved

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UG PAC Member

HoD, CSE