

ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY: CHIRALA
DEPARTMENT OF COMPUTERS SCIENCE & ENGINEERING
LECTURE SCHEDULE

Subject: SOFTWARE ENGINEERING
No. of Lectures per week : 5+1* (Tutorial)

Academic Year: 2018-19
Year & Sem/Section: II-I SEM 'C'

S.No	Date	Unit No.	Topic to be Covered
1	19.11.2018	I	Software and Software Engineering: The Nature of Software,
2	20.11.2018		The Unique Nature of WebApps,
3	22.11.2018		Software Engineering,
4	23.11.2018		Software Process,
5	24.11.2018		Software Engineering Practice,
6	26.11.2018		Software Myths.
7	27.11.2018		Process Models: A Generic Process Model,
8	28.11.2018		Tutorial
9	29.11.2018		Process Assessment and Improvement,
10	30.11.2018		Prescriptive Process Models,
11	01.12.2018		Specialized Process Models, The Unified Process,
12	03.12.2018		Personal and Team Process Models,
13	04.12.2018		Process Terminology, Product and Process
14	05.12.2018		Tutorial
15	06.12.2018		Revision
16	07.12.2018		Slip Test
17	08.12.2018		II
18	10.12.2018	Software Requirement Specification (SRS),	
19	11.12.2018	Software Requirement Specification (SRS),	
20	12.12.2018	Tutorial	
21	13.12.2018	Formal System Specification.	
22	14.12.2018	Software Design: Overview of the Design Process,	
23	15.12.2018	How to Characterise of a Design?	
24	17.12.2018	Cohesion and Coupling,	
25	18.12.2018	Layered Arrangement of Modules,	
26	19.12.2018	Tutorial	
27	20.12.2018	Approaches to Software Design	
28	21.12.2018	Revision	
29	22.12.2018	Slip Test	
30	26.12.2018	Tutorial	
31	27.12.2018	III	Function-Oriented Software Design: Overview of SA/SD Methodology,
32	28.12.2018		Structured Analysis,
33	29.12.2018		Developing the DFD Model of a System,
34	31.12.2018		Structured Design, Detailed Design, Design Review,
35	02.01.2019		Tutorial
36	03.01.2019		Over view of Object-Oriented design.
37	04.01.2019		User Interface Design: Characteristics of Good User Interface, Basic Concepts,
38	05.01.2019		Types of User Interfaces, Fundamentals of Component-based GUI Development
39	07.01.2019		A User Interface Design Methodology.
40	08.01.2019		Revision
41	09.01.2019		Tutorial

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42	10.01.2019		Revision
43	11.01.2019		Revision
44	17.01.2019		Revision
45	18.01.2019		Revision
46	19.01.2019		Revision
47	21.01.2019		Revision
48	22.01.2019		Revision
49	23.01.2019		Revision
50	24.01.2019		IV
51	25.01.2019	Code Review,	
52	28.01.2019	Software Documentation,	
53	29.01.2019	Testing, Unit Testing,	
54	30.01.2019	Tutorial	
55	31.01.2019	Black-Box Testing,	
56	01.02.2019	White-Box Testing,	
57	02.02.2019	Debugging,	
58	04.02.2019	Program Analysis Tool,	
59	05.02.2019	Integration Testing,	
60	06.02.2019	Tutorial	
61	07.02.2019	Testing Object-Oriented Programs,	
62	08.02.2019	System Testing,	
63	11.02.2019	Some General Issues Associated with Testing	
64	12.02.2019	Revision	
65	13.02.2019	Tutorial	
66	14.02.2019	Slip test	
67	15.02.2019	V	Software Reliability and Quality Management: Software Reliability,
68	16.02.2019		Statistical Testing,
69	18.02.2019		Software Quality,
70	19.02.2019		Software Quality Management System, ISO 9000,
71	20.02.2019		Tutorial
72	21.02.2019		SEI Capability Maturity Model.
73	22.02.2019		Computer Aided Software Engineering: Case and its Scope, Case Environment,
74	23.02.2019		Case Support in Software Life Cycle,
75	25.02.2019		Other Characteristics of Case Tools,
76	26.02.2019		Towards Second Generation CASE Tool,
77	27.02.2019		Tutorial
78	28.02.2019		Architecture of a Case Environment
79	01.03.2019		Revision
80	02.03.2019		Slip test
81	05.03.2019	VI	Software Maintenance: Software maintenance,
82	06.03.2019		Tutorial
83	07.03.2019		Maintenance Process Models,
84	08.03.2019		Maintenance Cost,
85	11.03.2019		Software Configuration Management.
86	12.03.2019		Software Reuse: what can be Reused?
87	13.03.2019		Tutorial
88	14.03.2019		Why almost No Reuse So Far? Basic Issues in Reuse Approach,
89	15.03.2019		Reuse at Organization Level.
90	16.03.2019		Revision

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91	18.03.2019		Revision
92	19.03.2019		Revision
93	20.03.2019		Tutorial
94	22.03.2019		Revision
95	23.03.2019		Revision
96	25.03.2019		Revision
97	26.03.2019		Revision
98	27.03.2019		Revision
99	28.03.2019		Revision
100	29.03.2019		Revision
101	30.03.2019		Revision

Text Books

1	Software Engineering - Concepts and Practices: Ugrasen Suman, Cengage Learning
2	Software Engineering - A Practitioner's Approach, Roger S. Pressman, Seventh Edition McGraw-Hill
3	Fundamentals of Software Engineering, Rajib Mall, Third Edition, PHI.
4	Software Engineering, Ian Sommerville, Ninth edition, Pearson education

References

1	Software Engineering : A Primer, Waman S Jawadekar, Tata McGraw-Hill, 2008
2	Software Engineering, A Precise Approach, PankajJalote, Wiley India,2010.
3	Software Engineering, Principles and Practices, Deepak Jain, Oxford University Press
4	Software Engineering: Abstraction and modeling, Diner Bjorner, Springer International edition, 2006.

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