

**ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY: CHIRALA**  
**DEPARTMENT OF COMPUTERSCIENCE & ENGINEERING**  
**LECTURE SCHEDULE**

**Subject: SOFTWARE ENGINEERING**

**No. of Lectures per week : 4+1\* (Tutorial)**

**Name Of The Faculty: Y.SOWJANYA KUMARI**

**Academic Year: 2017-18**

**Year & Sem/Section: II-II SEM 'A'**

S.No.	DATE	UNIT.NO	TOPIC TO BE COVERED
1	20-Nov-2017	I	The Nature of Software
2	21-Nov-2017		The Unique Nature of WebApps
3	22-Nov-2017		Software Engineering, Software Process
4	24-Nov-2017		Software Engineering Practice
5	25-Nov-2017		Software Myths
6	27-Nov-2017		A Generic Process Model
7	28-Nov-2017		Process Assessment and Improvement
8	29-Nov-2017		Prescriptive Process Models
9	2-Dec-2017		Specialized Process Models
10	4-Dec-2017		The Unified Process
11	5-Dec-2017		Personal and Team Process Models
12	<b>6-Dec-2017</b>		<b>Tutorial</b>
13	8-Dec-2017		Process Terminology, Product and Process
14	11-Dec-2017		<i>Slip test -I</i>
15	12-Dec-2017	II	<b>OBT-1</b> Requirements Gathering and Analysis
16	<b>13-Dec-2017</b>		<b>Tutorial</b>
17	15-Dec-2017		Software Requirement Specification (SRS)
18	16-Dec-2017		Software Requirement Specification (SRS)
19	18-Dec-2017		Formal System Specification
20	19-Dec-2017		Overview of the Design Process
21	<b>20-Dec-2017</b>		<b>Tutorial</b>
22	22-Dec-2017		How to Characterize of a Design,
23	23-Dec-2017		Cohesion and Coupling
24	26-Dec-2017		Layered Arrangement of Modules
25	<b>27-Dec-2017</b>		<b>Tutorial</b>
26	29-Dec-2017		Approaches to Software Design
27	30-Dec-2017		<i>Slip test -II</i>
28	1-Jan-2018	III	<b>OBT-II</b> , Overview of SA/SD Methodology, Structured Analysis,
29	2-Jan-2018		Developing the DFD Model of a System
30	<b>3-Jan-2018</b>		<b>Tutorial</b>
31	5-Jan-2018		Structured Design, Detailed Design
32	6-Jan-2018		Design Review, over view of Object Oriented design
33	8-Jan-2018		Characteristics of Good User Interface, Basic Concepts
34	9-Jan-2018		Types of User Interfaces, Fundamentals of Component-based GUI Development
35	<b>10-Jan-2018</b>		<b>Tutorial</b>
36	12-Jan-2018		A User Interface Design Methodology.
37	<b>17-Jan-2018</b>		Revision
38	<b>19-Jan-2018</b>	Revision	
39	<b>20-Jan-2018</b>	Revision	
40	<b>22-Jan-2018</b>	Revision	

41	23-Jan-2018		Revision	
42	24-Jan-2018		<b>Tutorial</b>	
<b>S.No.</b>	<b>DATE</b>	<b>UNIT.NO</b>	<b>TOPIC TO BE COVERED</b>	
43	27-Jan-2018	<b>IV</b>	Coding, Code Review	
44	29-Jan-2018		Software Documentation, Testing, Unit Testing,	
45	30-Jan-2018		Black-Box Testing, White-Box Testing,	
46	<b>31-Jan-2018</b>		<b>Tutorial</b>	
47	2-Feb-2018		Debugging, Program Analysis Tool,	
48	3-Feb-2018		Integration Testing	
49	5-Feb-2018		Testing Object-Oriented Programs,	
50	6-Feb-2018		System Testing, Some General Issues Associated with Testing	
51	<b>7-Feb-2018</b>		<b>Tutorial</b>	
52	9-Feb-2018		<i>Slip test -III</i>	
53	10-Feb-2018		<b>V</b>	<b>OBT-III</b> Software Reliability, Statistical Testing,
54	<b>14-Feb-2018</b>			<b>Tutorial</b>
55	16-Feb-2018	Software Quality, Software Quality Management System,		
56	17-Feb-2018	ISO 9000, SEI Capability Maturity Model.		
57	19-Feb-2018	Case and its Scope, Case Environment ,Case Support in Software Life Cycle,		
58	20-Feb-2018	Other Characteristics of Case Tools,		
59	<b>21-Feb-2018</b>	<b>Tutorial</b>		
60	23-Feb-2018	Towards Second Generation CASE Tool,		
61	24-Feb-2018	Architecture of a Case Environment		
62	26-Feb-2018	<i>Slip test -IV</i>		
63	27-Feb-2018	<b>VI</b>		<b>OBT- IV</b> Software maintenance, Maintenance Process Models,
64	<b>28-Feb-2018</b>			<b>Tutorial</b>
65	3-Mar-2018		Maintenance Cost, Software Configuration Management.	
66	5-Mar-2018		what can be Reused? Why almost No Reuse So Far?	
67	6-Mar-2018		Basic Issues in Reuse Approach,	
68	7-Mar-2018		Reuse at Organization Level.	
69	9-Mar-2018		Revision	
70	12-Mar-2018		Revision	
71	13-Mar-2018		Revision	
72	14-Mar-2018		Revision	
73	16-Mar-2018		Revision	
74	17-Mar-2018		Revision	
75	19-Mar-2018		Revision	
76	20-Mar-2018		Revision	
77	21-Mar-2018		Revision	
78	23-Mar-2018		Revision	
79	24-Mar-2018		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 Engineering1: Abstraction and modeling, Diner Bjorner, Springer International edition, 2006.

**FACULTY**

**HEAD OF THE DEPARTMENT**

SACET-CSE