

St. Ann's College of Engineering & Technology: Chirala

Department of COMPUTER SCIENCE & ENGINEERING

LECTURE SCHEDULE

SUBJECT: Software Engineering

ACADEMIC YEAR: 2017-18

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

YEAR & SEM/SECTION: III-II CSE-B

S. NO	DATE	UNIT	TOPICS
1	21-Nov-17	I	Introduction to Subject
2	22-Nov-17		UNIT I: Introduction to Software Engineering: Software, Software Crisis,
3	23-Nov-17		Software Engineering definition, Evolution of Software Engineering Methodologies, Software Engineering Challenges.
4	24-Nov-17		Software Processes: Software Process, Process Classification,
5	25-Nov-17		Phased development life cycle,
6	28-Nov-17		Software Development Process Models- Process, use, applicability and Advantages/limitations
7	29-Nov-17		incremental model- Process, use, applicability and Advantages/limitations
8	30-Nov-17		Evolutionary Models- Process, use, applicability and Advantages/limitations
9	2-Dec-17		Tutorial
10	5-Dec-17		Unified Process Models- Process, use, applicability and Advantages/limitations
11	6-Dec-17		Unit I Exam
12	7-Dec-17	II	UNIT II: Requirements Engineering: Software Requirements,
13	8-Dec-17		Requirements engineering Process
14	12-Dec-17		Requirements elicitation
15	13-Dec-17		Requirements Analysis, Structured Analysis
16	14-Dec-17		Data Oriented Analysis, Object oriented Analysis
17	15-Dec-17		Prototyping Analysis
18	16-Dec-17		Tutorial
19	19-Dec-17		Requirements Specification,
20	20-Dec-17		Requirements Validation
21	21-Dec-17		requirement Management.
22	22-Dec-17		Unit II Exam
23	23-Dec-17		Tutorial
24	26-Dec-17		UNIT III: Software Design: Software Design Process,
25	27-Dec-17		Characteristics of Good Software Design, Design Principles,

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26	28-Dec-17		Modular Design,
27	29-Dec-17		Design Methodologies,
28	30-Dec-17		Tutorial
29	2-Jan-18	III	Structured Design,
30	3-Jan-18		Structured Design Methodology,
31	4-Jan-18		Transform Vs Transaction Analysis.
32	5-Jan-18		Object-Oriented Design: Object oriented Analysis and Design Principles
33	6-Jan-18		Tutorial
34	9-Jan-18		UNIT IV: Implementation: Coding Principles
35	10-Jan-18		Coding Process, Code verification, Code documentation
36	11-Jan-18		
37	12-Jan-18		Revision
38	17-Jan-18		Revision I Mid
39	18-Jan-18		Revision I Mid
40	19-Jan-18		Revision I Mid
41	20-Jan-18		Revision I Mid
42	23-Jan-18		Revision I Mid
43	24-Jan-18	IV	Software Testing: Testing Fundamentals,
44	25-Jan-18		Test Planning
45	27-Jan-18		Tutorial
46	30-Jan-18		Black Box Testing,
47	31-Jan-18		White Box Testing,
48	1-Feb-18		Levels of Testing, Usability Testing,
49	2-Feb-18		Regression testing,
50	3-Feb-18		Tutorial
51	6-Feb-18		Debugging approaches
52	7-Feb-18		Unit IV Exam
53	8-Feb-18		UNIT V: Software Project Management: Project Management Essentials,
54	9-Feb-18		What is Project management, Software Configuration Management
55	10-Feb-18		Tutorial

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56	14-Feb-18	V	. Project Planning and Estimation: Project Planning activities,
57	15-Feb-18		Software Metrics and measurements,
58	16-Feb-18		Project Size Estimation,
59	17-Feb-18		Tutorial
60	20-Feb-18		Effort Estimation Techniques.
61	21-Feb-18		Unit V Exam
62	22-Feb-18		VI
63	23-Feb-18	Verification & Validation,	
64	24-Feb-18	Tutorial	
65	27-Feb-18	Software Quality Assurance,	
66	28-Feb-18	The Capability Maturity Model	
67	1-Mar-18	Software Maintenance: Software maintenance, Maintenance Process Models	
68	3-Mar-18	Maintenance Cost, Reengineering, Reengineering activities, Software Reuse.	
69	6-Mar-18		Revision UNIT I IMP Questions
70	7-Mar-18		Revision UNIT II IMP Questions
71	8-Mar-18		Revision UNIT III IMP Questions
72	9-Mar-18		Revision UNIT VI IMP Questions
73	13-Mar-18		Revision UNIT V IMP Questions
74	14-Mar-18		Revision UNIT IV IMP Questions
75	15-Mar-18		Revision OLD/Previous QP
76	16-Mar-18		Revision
77	17-Mar-18		Revision -Tutorial
78	20-Mar-18		Revision II Mid
79	21-Mar-18		Revision II Mid
80	22-Mar-18		Revision II Mid
81	23-Mar-18		Revision II Mid
82	24-Mar-18		Revision II Mid

FACULTY MEMBER

HEAD OF THE DEPARTMENT