

St Ann's College of Engineering and Technology
Department of Computer Science and Engineering
Lecture Schedule

Subject : STM

Year: III CSE C-II SEM

Name of the Faculty: G. Prasuna

Academic Year: 2019-20

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

S. No.	Date	Unit No	Topic	
1	19-Nov-19	Unit I	Introduction	1
2	20-Nov-19		Purpose of Testing, Dichotomies	2
3	21-Nov-19		Model for Testing	3
4	21-Nov-19		Consequences of Bugs	4
5	22-Nov-19		Taxonomy of Bugs	5
6	23-Nov-19		Testing	6
7	26-Nov-19		Predicates, Path Predicates and Achievable Paths	7
8	27-Nov-19		Path Sensitizing	8
9	28-Nov-19		Path Instrumentation	9
10	28-Nov-19		Tutorial	
11	29-Nov-19		Application of Path Testing	10
12	30-Nov-19		Revision	
13	3-Dec-19		Unit I Revision through PPT	
14	4-Dec-19		UNIT TEST-1	
15	5-Dec-19	Unit II	Transaction Flows	1
16	5-Dec-19		Tutorial	
17	6-Dec-19		Transaction Flow Testing Techniques	2
18	7-Dec-19		Transaction Flow Testing Techniques	3
19	10-Dec-19		Basics of Dataflow Testing	4
20	11-Dec-19		Strategies in Dataflow Testing	5
21	12-Dec-19		Application of Dataflow Testing	6
22	12-Dec-19		Tutorial	
23	13-Dec-19		Application of Dataflow Testing	7
24	14-Dec-19		Application of Dataflow Testing	8
25	17-Dec-19		Application of Dataflow Testing	9
26	18-Dec-19		Unit 2 Revision through PPT	
27	19-Dec-19		Tutorial	
28	19-Dec-19		UNIT TEST-2	
29	20-Dec-19	Unit III	Domains and Paths, Nice & Ugly Domains	1
30	21-Dec-19		Domain testing, Domains and Interfaces Testing	2
31	26-Dec-19		Domains and Testability	3
32	26-Dec-19		Tutorial	
33	27-Dec-19		Domains and Testability	4
34	28-Dec-19		Path Products & Path Expression	5

35	31-Dec-19	Unit	Reduction Procedure	6
36	1-Jan-20		Applications	7
37	2-Jan-20		Regular Expressions & Flow Anomaly Detection	8
38	2-Jan-20		Unit 3 Revision through PPT	
39	3-Jan-20		Tutorial	
40	4-Jan-20		UNIT TEST-3	
41	7-Jan-20	Revisions	Revision	
42	8-Jan-20		Revision	
43	9-Jan-20		Revision	
44	9-Jan-20		Revision	
45	10-Jan-20		Revision	
46	18-Jan-20		Mid I Exam-Revision	
47	21-Jan-20		Mid I Exam-Revision	
48	22-Jan-20		Mid I Exam-Revision	
49	23-Jan-20		Mid I Exam-Revision	
50	23-Jan-20		Mid I Exam-Revision	
51	24-Jan-20	Unit IV	Syntax Testing: Why, What and How	1
52	25-Jan-20		A Grammar for formats	2
53	28-Jan-20		Test Case Generation, Implementation	3
54	29-Jan-20		Application and Testability Tips	4
55	30-Jan-20		Logic Based Testing: Overview, Decision Tables	5
56	30-Jan-20		Tutorial	
57	31-Jan-20		Path Expressions	6
58	1-Feb-20		KV Charts, and Specifications.	7
59	4-Feb-20		KV Charts, and Specifications.	8
60	5-Feb-20		Unit 4 Revision through PPT	
61	6-Feb-20		Tutorial	
62	6-Feb-20		UNIT TEST-4	
63	7-Feb-20	Unit V	State Graphs	1
64	11-Feb-20		Good & Bad State Graphs	2
65	12-Feb-20		State Testing, and Testability Tips	3
66	13-Feb-20		Graph Matrices:-Motivational overview	4
67	13-Feb-20		Tutorial	
68	14-Feb-20		matrix of graph, relations	5
69	15-Feb-20		power of a matrix	6
70	18-Feb-20		node reduction algorithm	7
71	19-Feb-20		Unit 5 Revision through PPT	
72	20-Feb-20		Tutorial	
73	20-Feb-20	UNIT TEST-5		
74	21-Feb-20		Introduction to Testing, Automated Testing	1
75	22-Feb-20		Concepts of Test Automation	2
76	25-Feb-20		Introduction to list of tools like Win runner, Load Runner	3

77	26-Feb-20	UNIT VI	Jmeter, About Win Runner ,Using Win runner	4
78	27-Feb-20		Mapping the GUI, Recording Test	
79	27-Feb-20		Tutorial	5
80	28-Feb-20		Working with Test, Enhancing Test, Checkpoints,	6
81	29-Feb-20		Test Script Language, Putting it all together	7
82	3-Mar-20		Running and Debugging Tests, Analyzing Results	8
83	4-Mar-20		Batch Tests, Rapid Test Script Wizard	9
84	5-Mar-20		Unit 6 Revision through PPT	
85	5-Mar-20		Tutorial	
86	6-Mar-20		UNIT TEST-6	
87	7-Mar-20	Revisions	Revision	
88	10-Mar-20		Revision	
89	11-Mar-20		Revision	
90	12-Mar-20		Revision	
91	12-Mar-20		Tutorial	
92	13-Mar-20		Revision	
93	17-Mar-20		Revision	
94	18-Mar-20		Revision	
95	19-Mar-20		Revision	
96	19-Mar-20		Revision	
97	20-Mar-20		Revision	
98	21-Mar-20		Revision	
99	24-Mar-20		Mid II Exam-Revision	
100	26-Mar-20		Mid II Exam-Revision	
101	26-Mar-20		Mid II Exam-Revision	
102	27-Mar-20		Mid II Exam-Revision	
103	28-Mar-20		Mid II Exam-Revision	
104	30-Mar-20		Mid II Exam-Revision	51

TEXT BOOKS:

1. Software testing techniques – Boris Beizer, Dreamtech, second edition.
2. Software Testing- Yogesh Singh, Camebridge

REFERENCES:

- 1.The Craft of software testing - Brian Marick, Pearson Education.
- 2.Software Testing, 3rd edition, P.C. Jorgensen, Aurbach Publications (Dist.by SPD).
- 3.Software Testing, N.Chauhan, Oxford University Press.
- 4.Introduction to Software Testing, P.Ammann&J.Offutt, Cambridge Univ.Press.
5. Effective methods of Software Testing, Perry, John Wiley, 2nd Edition, 1999.
- 6.Software Testing Concepts and Tools, P.NageswaraRao, dreamtech Press
7. Win Runner in simple steps by Hakeem Shittu, 2007Genixpress.
8. Foundations of Software Testing, D.Graham& Others, Cengage Learning.

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