

AIET		Lesson Plan & Execution		Format No. ACD 00		
				Issue No.	01	
				Rev. No.	00	
Name of the faculty		Mr. Shoran L. Pais.				
Semester and Section		<u>VI</u> - ISE - A.				
Date of Commencement		20-Mar-2023.				
Last Working Day of the Semester		10-Jul-2023.				
Source Materials List						
① Paul C. Jorgensen: Software Testing, A craftsman's Approach, 3rd Ed, Auerbach publications, 2008.						
② Mauro Pezze, Michal Young: Software Testing and Analysis Wilely India, 2009.						
③ Additya P. Mathur: Foundation of S/W Testing, Pearson, 2008.						
Subject Name		18IS62- Software Testing				
Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
1	20/3/23	<u>Module 1:</u> Basic definitions, Software quality.	1, 2	Basic definition, Software quality.	20/3/23	1, 2
2	21/3/23	Requirements, Behaviour, Correctness & Reliability.	1, 2	Requirement, Behaviour, correctness.	21/3/23	1, 2
3	23/3/23	Testing and debugging.	1, 2	Testing & debugging.	23/3/23	1, 2
4	24/3/23	Test cases, Insights from a Venn diagram.	1, 2	Test Cases, venn diagrams	24/3/23	1, 2

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	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referre
5	25/3/23	Identifying test cases. & generation strategies.	1, 2	Identifying test cases	25/3/23	1, 2
6	27/3/23	Test Metrics, levels of testing, Static testing.	1, 2	generation strategies	29/3/23	1, 2
7	28/3/23	Triangle problem, Next date fn.	1, 2	Test metrics, levels of Testing.	28/3/23	1, 2
8	30/3/23	Commission problem, SATM problem, currency converter.	1, 2	Static Testing,	30/3/23	1, 2
9	31/3/23	Boundary value analysis	1, 2	Triangle problem.	31/3/23	1, 2
10	1/4/23	Robustness testing, WC & RUC Testing.	1, 2	Commission, SATM problem	1/4/23	1, 2
11	3/4/23	Module 2 Equivalence Test cases	1, 2, 3	<u>Module 2</u> : Boundary value analysis	3/4/23	1, 2, 3
12	4/4/23	Guidance & observations, Decision Tables,	1, 2, 3	Robust & WC Testing.	4/4/23	1, 2, 3
13	6/4/23	Test cases for various problems.	1, 2, 3	Equivalence Test cases	6/4/23	1, 2, 3
14	10/4/23	Fault based Testing.	1, 2, 3	Guidance, Decision Table	10/4/23	1, 2, 3
15	11/4/23	Mutation analysis	1, 2, 3	Test cases for various problems	11/4/23	1, 2, 3
16	13/4/23	Variations on mutation analysis.	1, 2, 3	Fault based Testing.	13/4/23	1, 2, 3
17	15/4/23	Statement testing,	1, 2, 3	Mutation & variations	15/4/23	1, 2, 3

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18	17/4/23	Solving problems on B.V. A.	1,2,3	Solving B.V.A. problems	17/4/23	1,2,3
19	18/4/23	Solving problems in equivalence class.	1,2,3	Solving E. class problems	18/4/23	1,2,3
20	19/4/23	Solving problems on Decision Tables.	1,2,3	Solving D.T. Based problem	19/4/23	1,2,3
21	21/4/23	Module 3: Statement Testing code Testing.	1,2,3	Module 3 Statement & code Testing	21/4/23	1,2,3
22	24/4/23	Condition Testing.	1,2,3	Block & Condition Testing	24/4/23	1,2,3
23	28/4/23	path Testing.	1,2,3	Path Testing.	28/4/23	1,2,3
24	29/4/23	DD paths, Test coverage metrics.	1,2,3	D-D paths. Test coverage	29/4/23	1,2,3
25	9/5/23	Basis path Testing.	1,2,3	Basic path Testing.	9/5/23	1,2,3
26	16/5/23	Data-Flow Testing, D-U Testing.	1,2,3	D-F Testing, D-U Testing.	16/5/23	1,2,3
27	19/5/23	Slice based Testing, Test execution.	1,2,3	Slice based Testing.	19/5/23	1,2,3
28	23/5/23	Test spec to Test Case.	1,2,3	Test spec to Test case.	23/5/23	1,2,3
29	29/5/23	Scaffolding, generic v/s specific	1,2,3	Scaffolding, generic v/s specific	29/5/23	1,2,3
	30/5/23	Test Oracle, Capture & replay	1,2,3	Test Oracle, Capture & replay	30/5/23	1,2,3

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31	1/6/23	<u>Module 4</u> Sensitivity, redundancy	1,2,3	<u>Module 4:</u> <u>Quality:</u> Sensitivity, redundancy, etc.	1/6/23	1,2,3
32	2/6/23	Planning & monitoring	1,2,3	Planning & monitoring	2/6/23	1,2,3
33	3/6/23	Quality goals, Analysis Testing.	1,2,3	Quality goals, Analysis Testing	3/6/23	1,2,3
34	5/6/23	Improving the org. factors.	1,2,3	Improving the org. factors.	5/6/23	1,2,3
35	6/6/23	Quality & process.	1,2,3	Quality & process.	6/6/23	1,2,3
36	8/6/23	Risk planning	1,2,3	Risk planning.	8/6/23	1,2,3
37	9/6/23	Improving process, quality team.	1,2,3	Improving process, Quality Team.	9/6/23	1,2,3
38	10/6/23	Test strategy documents.	1,2,3	Test strategy Documents	10/6/23	1,2,3
39	12/6/23	Test plan & design documents.	1,2,3	Test plan & Design Documents.	12/6/23	1,2,3
40	13/6/23	Test & Analysis reports.	1,2,3	Test & Analysis Reports.	13/6/23	1,2,3
41	15/6/23	<u>Module 5:</u> Integration Testing	1,2,3	<u>Module 5:</u> Integration Testing.	15/6/23	1,2,3
42	20/6/23	Testing components, System Testing.	1,2,3	Testing components, System Testing.	20/6/23	1,2,3
43	22/6/23	Acceptance Testing, usability Testing.	1,2,3	Acceptance Testing	22/6/23	1,2,3

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44	23/6/23	Regression Testing	1,2,3	Regression Testing	23/6/23	1,2,3
45	24/6/23	Test case priority & execution.	1,2,3	Test case priority & execution	24/6/23	1,2,3
46	26/6/23	Testing levels & life cycle models.	1,2,3	Testing levels.	26/6/23	1,2,3
47	27/6/23	Separate integration & system testing.	1,2,3	Life cycle models Separate integration	27/6/23	1,2,3
48	30/6/23	Decomposition based integration.	1,2,3	System system Testing	30/6/23	1,2,3
49	1/7/23	Call graphs.	1,2,3	Decomposition based integration, call graphs	01/7/23	1,2,3
50.	4/7/23	Path based integration.	1,2,3	path based integration.	4/7/23	1,2,3
51	4/7/23	Seminars	-	Seminars.	4/7/23	1,2
52	4/7/23	Seminars.	-	Seminars	4/7/23	1,2
53	5/7/23	Seminars.	-	Seminars.	5/7/23	1,2

Others	Planned	Actual	Remarks :
Special Classes	04	04	Seminars.
Tutorials	—	—	
Assignments	02	02	
Seminars	01	01	
IA Tests	03	03	
Portions Covered in the entire Semester	100%. (5 models)		
Course Effectiveness			
Students Feedback	good		
Students Responce	good.		
Result	No. of Students AP	No. of Students Passed	% of Result
	57	57	100%.
Faculty in Charge <i>Shan</i> 10/17/28. Signature of Principal (& Remarks if any) <i>[Signature]</i> HOD's Signature <i>[Signature]</i>			