

ANURAG ENGINEERING COLLEGE

(An Autonomous Institution)

(IT535PE) SOFTWARE TESTING METHODOLOGIES LAB

(Professional Elective -I)

III Year B.Tech. IT - I Sem

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Prerequisites

- A basic knowledge of programming.

Course Objectives:

The objectives of this course are to provide:

- To provide knowledge of software testing methods.
- To develop skills in automation of software testing and software test automation management using the latest tools.
- To perform database checkpoints for different checks
- To perform batch testing with and without parameter passing
- To perform Silent mode test execution without any interruption

List of Experiments

1. Recording in context sensitive mode and analog mode
2. GUI check point for single property
3. GUI check point for single object/window
4. GUI check point for multiple objects
5. Bit map check point for object/window
 - a. Bit map check point for screen area
6. Data base check point for Default check
7. Data base check point for custom check
8. Data base check point for runtime recordcheck
 - a. Data driven test for dynamic test data submission
 - b. Data driven test through flat files
 - c. Data driven test through front grids
 - d. Data driven test through excel test
9. Batch testing without parameter passing
10. Batch testing with parameter passing
11. Data driven batch Silent mode test execution without any interruption
12. Test case for calculator in windows application

Text Books:

1. Software Testing techniques, BarisBeizer,2nd Edition, Dream tech.
2. Software Testing Tools, Dr. K.V.K.K.Prasad, Dream tech.

Reference Books:

1. The craft of software testing, Brian Marick, Pearson Education.
2. Software Testing Techniques–SPD(Oreille)
3. Software Testing in the Real World, Edward Kit, Pearson.
4. Effective methods of Software Testing, Perry, John Wiley.
5. Art of Software Testing, Meyers, John Wiley.

CO-PO-PSO Mapping:

	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2
CO-1	H	M	M	M									M	H
CO-2	H	H		M									M	H
CO-3	M	L	M	H	H								H	H
CO-4	M	H	L	H	M								M	H
CO-5	L	M	M	H									M	H

H-HIGH M-MODERATE L-LOW