

CSEL 533 SOFTWARE TESTING TOOLS

Pre-Requisite:

- Basic Programming Skills

Course Objectives:

- To Get Familiarized with Software Testing Concepts & Tools
- To Understand the Test Automation Process

Course Outcomes:

- Performing Software Testing using various Tools.

Module #01: Testing Fundamentals

Software Testing - Introduction - Importance- Seven Fundamental Principles of Testing
- SDLC Vs STLC - Software Testing Life Cycle.

Module #02: Types of Testing

Manual Testing Tutorials for Beginners- Automation Testing- Unit Testing- Integration Testing- System Testing- Smoke and Sanity Testing- other Testing Techniques

Module #03: Basics of Automation Testing

Why, when & how to perform Automation Testing - Factors for choosing a particular tool - An Overview for the major Functional Testing Tools - Overview of Test Management & Bug Tracking Tools

Module #04: Test Management Tool

Test Link, Load Testing Tool - LoadUIPro

Module #05: Automated Testing Tool

Selenium

Text Books:

1. Glen ford J Myers, Corey Sandler & Tom Badgett, "The Art of Software Testing", 3e.
2. Lee Copeland, "A Practitioner's Guide to Software Test Design", 2004.
3. Boris Beizer, "Software Testing Techniques", 2e, 1990.