# SOFTWARE TESTING LABORATORY

**L T P C**
**0 0 3 2**

**AIM:**

To understand the various testing tools and their use with various testing methodologies

**OBJECTIVES:**

- To study the working of testing tools
- To apply the fundamental testing techniques associated with software project development
- To automate various testing strategies in specific domains

**Experiments in the following topics:**

1. Study of various tools for software testing such as
   WinRunner, LoadRunner, Rational Rose Test Suite etc.,

2. Performing the following testing using the testing tools
   1. Requirements testing
   2. Use-case scenario testing
   3. Design testing
   4. Code testing
   5. Path testing
   6. Code coverage testing
   7. Data-flow testing
   8. Load testing
   9. Regression testing
   10. Documentation testing

3. Mini-project: developing an automated test-case generation tool for domains such as :
   a. Web-site development
   b. Inventory management
   c. Shopping cart
   d. Finance management
   e. Health-care

**TOTAL= 45 PERIODS**