



BIT 358

SOFTWARE TESTING

UNIT-I

Introduction: Software-Testing, Terminology and Methodology, Verification and Validation.

UNIT-II

Dynamic Testing: Black Box Testing Techniques, White Box Testing Techniques, Static Testing, Validation Activities, Regression Testing.

UNIT-III

Test Management, Software Metrics, Testing Metrics for Monitoring and Controlling the Testing Process, Efficient Test Suite Management.

UNIT-IV

Testing Object Oriented Software, Testing Web Based Systems, Debugging.

UNIT-V

Overview of Testing Tools, Testing an Application using WinRunner, Test Script Language, Architecture and use of Silk Test, Use of LoadRunner and JMeter, Source Code Testing Utilities in Unix / Unix Environment.

Suggested Reading:

1. Naresh Chauhan, Software Testing Principles and Practices, Oxford University Press, 2010.
2. Dr.K.V.K.K.Prasad, Software Testing Tools, Dreamtech press, 2008.
3. William E. Perry, Effective Methods for Software Testing,Third Edition, Wiley & Sons, 2006.
4. Srinivasan Desikan, Gopaldaswamy Ramesh, Software Testing: Principles and Practices, Pearson Education, 2006.