

**EC IV-2- SOFTWARE QUALITY ASSURANCE AND TESTING**

**Unit I**

Principles of Testing – Software Development Life Cycle Models

**Unit II**

White Box Testing-Integration Testing-System and acceptance testing.

**Unit III**

Testing Fundamentals -2 & Specialized Testing: Performance Testing-Regression testing-Testing of Object Oriented Systems-Usability and Accessibility Testing.

**Unit IV**

Test Planning, Management, Execution and Reporting.

**Unit V**

Software Test Automation-Test Metrics and Measurements

**Text Book(s)**

1. Software Testing - Srinivasan Desikan, Gopalaswamy Ramesh, Pearson Education 2006.

**References**

1. Introducing Software testing-Louis Tamres, Addison Wesley Publications, First Edition.
2. Software testing, Ron Patten, SAMS Techmedia, Indian Edition 2001.
3. Software Quality-Producing Practical, Consistent Software-Mordechai Ben-Menachem, Gary S Marliss, Thomson Learning, 2003.