

Software Testing (Manual + Automation)

Session 1: Introduction of Testing

✓ Brief Introduction of software Testing	✓ 7 principle of Testing
✓ Definition	✓ How much Testing is enough
✓ Why Testing necessary	

Session 2: Introduction of Documents

✓ Business requirement Specification	✓ Software requirement specification
✓ Functional Requirement specification	✓ Requirement Traceability Matrix
✓ Test Plan	

Session 3: Introduction of SDLC & Models

✓ Waterfall Model	✓ V model
✓ Prototype Model	✓ Spiral model

Session 4: Introduction of STLC

✓ Software testing life cycle	✓ Agile Methodology
✓ Agile Scrum	

Session 5: Bug/Defect

✓ Introduction of Bug	✓ Bug, Defect, Failure, Error
✓ Bug life Cycle	✓ Bug release
✓ Bug leakage	✓ Latent defect
✓ Masked defect	

Session 6: Manual And Automation Testing

✓ Manual testing and Automation Difference	
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Session 7: Manual Testing Types

✓ Functional testing	✓ Non-functional testing
✓ GUI testing	✓ Usability Testing
✓ UX testing	✓ Performance testing
✓ Security testing	✓ Database testing
✓ Smoke testing	✓ Sanity testing

Session 8: Levels of Software Testing

✓ Unit Testing	✓ Integration testing
✓ System testing	✓ UAT testing
✓ Alpha testing	✓ Beta testing

Session 9: Methods of Software Testing

✓ Black box testing	✓ White box testing
✓ Gray box testing	

Session 10: Q.A and Q.C

✓ Verification Testing	✓ Validation Testing
✓ Static testing	✓ Dynamic Testing
✓ Severity	✓ Priority

Session 11: Terms of Testing

✓ Test case	✓ Test scenario
✓ Test data	✓ Test script

Session 12: Black box testing Techniques

✓ BVA	✓ ECP
✓ Decision Table/Cause Effect	
Session 13: Experience based Testing	
✓ Exploratory Testing	✓ Error Guessing testing
Session 14: Testing at glance	
Session 15: Introduction of tools	
✓ Jmeter	✓ Selenium
✓ Mantis	
Session 16: Introduction Jmeter	
✓ Basics of Jmeter	✓ Setup of Jmeter
✓ Uses of Jmeter	
Session 17: Jmeter Practical	
✓ Load testing	✓ Stress testing
✓ Performance testing	
Session 18: Introduction of Selenium	
✓ What is selenium	✓ Uses of selenium
✓ Types of Selenium tool	
Session 19: Selenium testing	
✓ Setup of selenium	✓ Setup of eclipse
✓ Installation of firebug	✓ Installation of Firepath
Session 20: Selenium WebDriver testing	
✓ Introduction of WebDriver	✓ Guide to install Webdriver
✓ Add and import jar files	
Session 21: Selenium WebDriver testing Types	
✓ Script writing	✓ Access forms in Webdriver
✓ Select Web Elements	✓ Dropdown list
✓ Accessing link and tables	✓ Keyboard mouse KeyEvents
✓ Upload and download files	