Manual Testing

Mode : Classroom

Duration: 40 hours

This program will provide you with training on Manual testing

Mode: Classroom

Course Outline:

1. Introduction Software Testing.

2. Software Development Life Cycles
  ➢ Waterfall Model
  ➢ V-Model
  ➢ Spiral Model
  ➢ Agile Methodology (Scrum Mode)

3. Software Testing Life Cycle

4. Software Testing Definition
  ➢ Verification
  ➢ Validation
  ➢ Quality Assurance
  ➢ Quality Control
  ➢ Static Testing
  ➢ Dynamic Testing
  ➢ Residual Defect
  ➢ Sanity Testing
  ➢ Smoke Testing
  ➢ Exploratory Testing
  ➢ Defect Density
  ➢ Severity
  ➢ Priority
  ➢ End to End Testing
  ➢ Bug, Defect and error story.
  ➢ Stress Testing
  ➢ Load Testing
  ➢ Regression Testing
  ➢ Re-Testing
  ➢ Ad-hoc Testing
  ➢ Monkey Testing

5. Types of Testing – Visibility

6. White Box Testing
  ➢ Static Testing
  ➢ Structural Testing

7. Black Box Testing
  ➢ Introduction
  ➢ Positive and Negative Testing
  ➢ Boundary Value Analysis
  ➢ Decision Table Testing
  ➢ Equivalence Partitioning

8. Integration Testing

  ➢ Top-Down Approach
  ➢ Bottom-up Approach
  ➢ Bi-Directional Approach
  ➢ System Integration

9. System Testing
  ➢ Functional System Testing
  ➢ Non-Functional System Testing
  ➢ Scalability Testing
  ➢ Reliability Testing
  ➢ Interoperability Testing

10. Types of Testing – Functionality

11. Types of Testing – Levels

12. Requirement Specification

13. Test Plan Documentation

14. Defect Life Cycle

15. User Acceptance Testing
➢ Alpha Testing
➢ Beta Testing

16. Test Case Designing
➢ Test Scenario
➢ Test Case
➢ Test Case Template

17. Test Data Preparation

18. Requirement Traceability Matrix
➢ Forward Traceability Matrix
➢ Backward Traceability Matrix

19. Effort Estimation & ROI

20. Frequently asked questions in interview.