Ekodus Knowledge Center
EMPOWERING TOMORROW'S INTELLIGENCE

Software Testing (Manual)
TRAINING SYLLABUS

Software Testing Fundamental: -> 2 Hours

- Software Testing as a Career Path (Skills, Growth etc.)
- What is Software Testing? Definition, Basics & Types
- Importance of Software testing
- How to conduct Software testing
- Difference between Manual and Automated Testing
- What is Quality and Difference between QA/QC
- Verification &Validation (V&V)
- Assessment

Software Development Life Cycle(SDLC) - > 2 Hours

- Requirements & Analysis Phase
- Design
- Coding
- Testing
- Release, Deployment & Maintenance
- Assessment

Software Development Models - >6 Hours

- Waterfall model
- Spiral Model
- Prototype Model
- V-model
- Agile Methodology
- Assessment

Software Testing Methodologies-> 2 Hours

- White Box Testing
- Black Box Testing
- Grey Box Testing
- Assessment

Types of Testing -> 2 Hours

- Functional Testing
- Non-Functional Testing
- Assessment

Functional Testing -> 6 Hours

- Unit Testing
- Smoke Testing
- Integration Testing
- System Testing
- End-to-End Testing
- Retest
- Regression Test
- User Acceptance Testing
- Assessment

Non-Functional Testing ->4 Hours

- Performance Testing
- Memory Test
- Scalability Testing
- Compatibility Testing
- Security Testing
- Cookies Testing
- Recovery Testing
- Installation Testing
- Assessment

User Acceptance Testing -> 2 Hours

- Alpha Testing
- Beta Testing
- Assessment

Software Testing Life Cycle (STLC) ->2 Hours

- Requirement understanding & Analysis
- Test Planning
- Test Designing
- Test Environment Setup
- Test Execution
- Closure
- Assessment

Testing Techniques- >2 Hours

- Error Guessing
- Equivalence Portioning
- Boundary Value analysis
- Assessment

Test Management- >6 Hours

- Test Strategy
- Test Plan
- Test Case review process
- Requirement Traceability Matrix (RTM)
- Assessment

Defect Tracking- > 4 Hours

- Bug in Software Testing
- Bug Life cycle
- Severity & Priority
- Defect Management Process
- Defect Analysis
- Assessment

Test Reporting –> 4 Hours

- Daily Status Reporting
- Weekly Status Reporting
- Time bound Reporting
- Escalations
- Assessment

Miscellaneous - >4 Hours

- Tester Qualities
- MCQs
- Interview Preparation