



SOFTWARE TESTING

COURSES

Why Choose This Program?

- 120+ Hours of Instructor-led Manual Testing Training
- Hands-on Projects & Real-time Case Studies
- Covers STLC, SDLC for Testers, Types of Testing, Defect Management & SQL
- End-to-End Manual Testing Workflow Training
- Expert Mentorship & Personalized Guidance
- Placement Assistance & Career Support

Job Roles After Completion

- Manual Tester / QA Analyst
- QA Engineer
- Test Analyst
- System Tester
- Database Tester (using SQL)
- QA Analyst in Banking/Finance & IT
- Quality Assurance Coordinator
- Freelance QA Consultant
- UAT Coordinator / Business QA Analyst
- Performance Tester / Load Tester

INTRODUCTION

- Software Testing Life Cycle (STLC)
- Different levels of Testing
 - Unit/Component testing
 - Structural Testing
 - Functional Testing
 - Integration Testing
 - Top Down Integration Testing
 - Bottom up integration testing
 - System Testing
 - Acceptance Testing

SDLC MODELS

- Software development Life cycle models – SDLC Models
- Waterfall model– Advantages & Disadvantages
- V model – Pros and Cons
- Incremental model - Advantages & Disadvantages
- Iterative models - Advantages & Disadvantages
- Agile Model - Advantages & Disadvantages
- Agile manifesto principles
- When to use these models.

STLC & TESTING LEVELS

- Software Testing Life Cycle (STLC)
- Different levels of Testing
- Unit/Component testing
- Structural Testing
- Functional Testing
- Integration Testing
- Top Down Integration Testing
- Bottom up integration testing
- System Testing
- Acceptance Testing

TESTING TYPES

- Retesting
- Non Functional requirement testing
- Security testing
- Compatibility testing
- Localization testing
- Performance testing
- Usability testing
- Accessibility testing
- Database testing
- Maintainability testing
- Reliability testing
- Portability testing

- Static testing
- Dynamic testing
- White box testing
- Gray box testing
- Functional testing
- Ad – Hoc testing
- Negative Testing
- Exploratory testing
- System testing
- Smoke testing
- Sanity testing
- Regression testing

SOFTWARE TEST LIFE CYCLE

- Requirement analysis
- RTM
- Test planning
- Risk Management
- Functional requirement
- Test scenarios
- TC development
- TC Review
- Test environment set up
- Test execution
- Test suite Diagram
- Test log preparation
- Defect report

DEFECT MANAGEMENT

- Defect status
- Defect life cycle
- Defect priority
- Defect Severity
- Release management.

UAT

- User Acceptance testing
- Need of UAT
- Acceptance criteria
- UAT process
- UAT planning
- UAT Execution

TEST AUTOMATION

- Automation process
- Which TC to automate?
- Automation tools
- Benefits of automation
- Test management tools
- Functional testing tools
- Performance testing tools
- Defect tracking tools

SQL BASICS

- Why SQL
- SQL Process
- SQL Commands

MAIN PROJECT (CAPSTONE PROJECT)

- Real-time End-to-End Manual Testing Project
- Requirement Analysis & Test Planning
- Writing & Executing Test Cases & Scenarios
- Defect Logging (Severity & Priority)
- Test Reporting & Documentation
- SQL-based Database Testing
- Final Presentation & Evaluation

CERTIFICATIONS



K-IDE



STED COUNCIL

K-IDE



THANK YOU !



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