SOFTWARE TESTING

Testing Course Content

- Introduction
- Introduction to software Testing
- Software Development Process
- Project Vs Product
- Objectives of Testing
- Testing Principals
- Software Development Life Cycle
- SDLC
- SDLC Models
- Waterfall Model
- Spiral Model
- V Model
- Prototype Model
- Agile Model (Scrum)
- How to Choose Model for a Project
- Software Testing-Methods
- White Box Testing
- Block Box Testing

Software Testing Life Cycle (STLC)

Test Strategy

Test Planning

Test Cases Design

. Error Guessing

. Equivalence Partition

. Boundary Value Analysis

Test Case Authoring

. Functional Test Case

. Review Test Case

. Walkthroughs

. Inspection

. Peer Review

. Traceability Matrix

Build Release Process

. SRN & DD

. Build Deployment

. Project Dev Env (Dev, Test, Prod)Mind Q Systems Private Limited

EVANSYS TECHNOLOGIES

- Gray Box Testing
- Levels of Testing
- Unit Testing
- Structural Testing
- Statement Coverage Testing
- Condition Coverage Testing
- Branch Coverage Testing
- Path Coverage Testing
- Integration Testing
- Big Bang Integration
- Top Down Approach
- Bottom up approach
- Stubs and Drives
- System Testing
- Functional Testing
- Non Functional Testing
- Compatibility Testing
- Performance Testing
- Load Testing
- Volume Testing
- Stress Testing
- Recovery Testing
- Installation Testing
- Globalization Testing
- I18N
- L10N

Defect Reporting & Tracking

. Defect Reporting

. Defect Life Cycle

. Severity, Priority

. Defect Tracking Tools

Test Closure

. Criteria for Test Closure

. Test Summary Reports

Additional

. Introduction to VSS

. Project Metrics

. QA & QC

. ISO & CMM Standards

. Testing Certifications

. Interview Question

. Organization Hierarchy

. Role of Project Team Members

Test Management using Quality Center

Overview on Test Management

Architecture of QC Tool

Site Administrator

. Create Project

. Create Users

. Assign User to Projects

. Monitor Connections & Licenses

Sitescope

EVANSYS TECHNOLOGIES

- Security Testing
- Usability Testing
- Accessibility Testing
- **User Acceptance Testing**
- Alpha Testing
- Beta Testing
- **Testing Terminology**
- Functional Testing
- End-End Testing
- Ad-hoc Testing
- Risk Based Testing
- Sanity/Smoke Testing
- Re-Testing
- Regression Testing
- Exploratory Testing
- Parallel Testing
- Concurrent Testing
- **Windows & Web Application Testing**
- Check List for Window App Testing
- Check List for Web Application Testing
- Web App Testing Terminology

. Backup, Restore Projects

. Version Control

Quality Center

. Managing Requirements

. Working with test Plan

. Developing Manual & Automation Tests

. Coverage Analysis/Traceability

. Create Test Cases

. Running Tests

. Record Results

. Defect Reporting & Tracking

. Integration with QTP

. Test Resources

. Test Linkage

. Defect Linkage

Test Management

. Developing Reports

. Developing Graphs

. Dash Board

Customization

. Creating Groups

. Module Access

EVANCYS TECHNOLOGIES