QA Training Topics

Module 1: Software Testing Concepts

What is software? Types of Software's?
What is Software Testing?
What is Software Quality?
Projects vs Products
Why do we need testing?
Error, Bug and Failure
Why does the software have bugs?
SDLC
Waterfall Model
Spiral Model
V-Model
Static Testing & Dynamic Testing
Verification & Validation
White Box & Black Box Testing Methods
Static Testing & Dynamic Testing
Review, Walkthrough & Inspection
QA & QC & QE
Levels of Software Testing
Unit Testing
Integration Testing
System Testing
UAT Testing
System Testing Types
GUI Testing
Usability Testing
Functional Testing
Non-Functional Testing
Regression testing
Re-Testing
Smoke & Sanity Testing
Exploratory Testing
Adhoc Testing
Monkey Testing
Positive & Negative Testing
End-To-End Testing
Localization & Globalization/Internationalization(I18N) testing
Test Case Design Techniques
Equivalence Class Partitioning

Boundary Value Analysis (BVA)
Decision Table
State Transition
Error Guessing
Test Planning
Test Design/Development
Test Execution
Defect Reporting & Tracking
Test Closure
Test Plan
Use Case Vs Test Scenario Vs Test Case
Test Case Template
RTM (Requirement Traceability Matrix)
Test Environment Setup & Test Execution
Defects/Bugs
Contents is Defect Report
Defect Classification (Severity & Priority)
Defect/Bug Life Cycle
Test Closure/When To Stop Testing?
Software Testing Metrics
QA/Testing Activities
Principles of Software Testing

Module 2: Software Testing Project

Project Introduction
Understanding Functional Requirements from SRS
Creating Testing Scenario
Creating Test Cases
Test Execution
Bug Reporting and Tracking
Test Sign off

Module 2: Agile Testing and Jira Tool
Agile/Scrum Process
What is Agile
What is Scrum / Scrum Team
What is Sprint
What is User Story
How to give story points / How to estimate User Story
What is Definition of Done and Definition of Ready
Different Sprint Activities / Rituals
Sprint Planning / Backlog Refinement / Sprint Review / Sprint Retrospective

Jira Tool

How to install and configure Jira Tool

How to create an EPIC / User Stories in Jira

Creating sprints in Jira

Sprint life cycle in Jira

Backlogs in Jira

Creating Bugs in Jira

How to write test cases in Jira

Create Test Cycles and Execute Test Cases in Jira