



DETAILED COURSE CURRICULUM

Section 1 Introduction to Software testing	
➔ Video Class 1	▶ Introduction to Software testing
Topics Covered	<ul style="list-style-type: none"> ❖ Introduction to Software Testing ❖ Objectives of Testing ❖ Testing Principles
➔ Video Class 2	▶ Required skill set for Manual Software Tester
Topics Covered	<ul style="list-style-type: none"> ❖ Skill Set

Section 2 Types Of Testing	
➔ Video Class 3	▶ Introduction to Software testing
Topics Covered	<ul style="list-style-type: none"> • What is manual testing • What is automation testing • Understanding Difference between Manual and Automation
➔ Video Class 4	▶ Why to Test Application
Topics Covered	<ul style="list-style-type: none"> • Importance of client requirements • Purpose of testing

Section 3 Roles and Responsibilities of Testers

➔ Video Class 5

▶ Roles and responsibilities of Tester

Topics Covered

- Roles and responsibilities of test engineer

Section 4 Introduction to Software Development Life Cycle SDLC

➔ Video Class 6

▶ Types Of Software's

Topics Covered

- Introduction to Software's
- Types of software
- System software
- Application software
- Product based vs project based

➔ Video Class 7

▶ SDLC-Part 1

Topics Covered

- Introduction to software testing life cycle
- Introduction to all phases of life cycle

➔ Video Class 8

▶ SDLC-Part 2

Topics Covered

- Walkthrough of documents and detailed information of SDLC
- FRS
- BRS

➔ Video Class 9

▶ SDLC-Models

Topics Covered

- What is SDLC?
- Introduction to SDLC

➔ Video Class 10

▶ V model Explanation

Topics Covered

- V model detailed explanation
- Validation and verification
- Verification techniques (peer review, walk through, inspections)

Section 5 Testing Techniques

➔ Video Class 11

▶ SOFTWARE testing techniques (exhaustive testing and optimal testing)



Topics Covered



- Exhaustive Testing
- Optimal Testing
- White Box Testing (WBT)
- BLACK Box Testing (BBT)


Section 6	Testing Levels In SDLC and Function Testing
➔ Video Class 12	▶ Testing phases in SDLC and Unit and Integration testing
Topics Covered	<ul style="list-style-type: none"> • Documents reviews • Unit testing • Big Bang • Top Down, Bottom up, Stubs, Drivers • Integration testing
➔ Video Class 13	▶ Functional Testing
Topics Covered	<ul style="list-style-type: none"> • Introduction to Functional Testing






Section 7	Black Box Testing Techniques
➔ Video Class 14	▶ BVA (Boundary value Analysis) ,ECP (equivalence class partitioning) And Deriving Test data
Topics Covered	<ul style="list-style-type: none"> • Understanding BVA • Understanding ECP • Practical explanation on BVA AND ECP

Section 8	NON - FUNCTIONAL TESTING
➔ Video Class 15	▶ NON - FUNCTIONAL TESTING
Topics Covered	<ul style="list-style-type: none"> • GUI Testing • Usability testing • Performance testing <ul style="list-style-type: none"> load, stress, data volume testing • Security testing <ul style="list-style-type: none"> Authorization, Access control, cookies, session id • Recovery testing • Compatibility testing • Configuration testing (h/w compatibility) • Installation testing • sanitation testing • Competitive

Section 9		Smoke, Ad-hoc and Localization Testing	
➔ Video Class 16		Smoke and Ad-hoc	
Topics Covered		<ul style="list-style-type: none"> ❖ What is Smoke and sanity testing ❖ Ad-hoc testing 	
➔ Video Class 17		Localization Testing	
Topics Covered		<ul style="list-style-type: none"> ❖ Localization Testing 	

Section 10		RE-TESTING AND REGRESSION TESTING	
➔ Video Class 18		RE-TESTING AND REGRESSION TESTING	
Topics Covered		<ul style="list-style-type: none"> ❖ What Is Retesting ❖ What Is Regression Testing ❖ Importance of Retesting and Regression Testing 	
➔ Video Class 19		Exploratory testing	
Topics Covered		<ul style="list-style-type: none"> ❖ Exploratory testing 	

Section 11		SOFTWARE TESTING LIFE CYCLE	
➔ Video Class 20		Test Initiation and Test Planning	
Topics Covered		<ul style="list-style-type: none"> ❖ Introduction to Software Testing Life Cycle ❖ Test Strategy document and Test Plan document walkthrough 	

Section 12		Writing Test-cases - Very important section	
➔ Video Class 21		What Is test case And test cases document	
Topics Covered		<ul style="list-style-type: none"> • What is Test cases • Detailed explanation Of testcase • Test case templet, excel sheet 	
➔ Video Class 22		Writing Test Cases For Gmail	
Topics Covered		<ul style="list-style-type: none"> • Sample Test Case Writing on Gmail 	
➔ Video Class 23		Writing Testcases For User Registration Form	
Topics Covered		<ul style="list-style-type: none"> • Project: Writing Testcases on User registration form 	
➔ Video Class 24		Executing testcase	
Topics Covered		<ul style="list-style-type: none"> • Executing of testcases for user registration form 	
➔ Video Class 25		Advance Testcases Writing technique	

Topics Covered	<ul style="list-style-type: none"> • Advance testcase writing technique • Writing testcases using separate test data document
➔ Video Class 26	▶ Test scenario
Topics Covered	<ul style="list-style-type: none"> • Introducing to Test Scenario • Test scenario Templet

Section 13	Project 3 working On Banking FRS (Test cases Writing) Very Important
➔ Video Class 27	▶ Admin Login E-Bank, Testcases and New Branch Creation
Topics Covered	<ul style="list-style-type: none"> • Writing real world testcases using FRS document • For Ebanking: Admin and New branch Creation
➔ Video Class 28	▶ Test Cases With Pre Condition
Topics Covered	<ul style="list-style-type: none"> ❖ Advance test cases writing ❖ Pre- condition testcases explained

Section 14	Required traceability matrix
➔ Video Class 29	▶ Requirement Traceability Matrix (RTM) introduction
Topics Covered	<ul style="list-style-type: none"> ❖ Introduction to Requirement Traceability Matrix
➔ Video Class 30	▶ Writing Requirement Traceability Matrix
Topics Covered	<ul style="list-style-type: none"> ❖ Writing Requirement Traceability Matrix

Section 15	Bug Life Cycle
➔ Video Class 31	▶ Bug/ Defect Life Cycle and Bug Reporting
Topics Covered	<ul style="list-style-type: none"> • What is Bug / Defect • Bug Life Cycle • Bug Life Cycle phases explained • Writing effective Bug report
➔ Video Class 32	▶ Priority and Severity
Topics Covered	<ul style="list-style-type: none"> ❖ Explained Priority and Severity with example

Section 16 AGILE

➔ Video Class 33

▶ Agile principles

Topics Covered

- What is Agile
- Agile manifesto
- Principle of Agile
- Advantages and Disadvantages of Agile

➔ Video Class 34

▶ Scrum part 1

Topics Covered

- Introduction to Scrum
- Epic
- Story
- Scrum Team
- Product owner
- Scrum Master

➔ Video Class 35

▶ Scrum part 2

Topics Covered

- ❖ Scrum Life Cycle

Section 17 Jira For Testers

➔ Video Class 36

▶ Jira For Testers part 1 (Introduction)

Topics Covered

- ❖ Introduction JIRA
- ❖ Objectives of Jira

➔ Video Class 37

▶ Jira Part 2

Topics Covered

- ❖ Creating Project
- ❖ Adding Epics and User stories
- ❖ Sprint
- ❖ Defect reporting

Section 18 Beginners Interview Questions

➔ Video Class 38

▶ Interview questions and Answers

Topics Covered

- ❖ Important Interview Questions