

Manual Testing Syllabus:

1. Introduction of the course

- What is software testing
- Why it is necessary
- Advantages of software testing

2. Software development life cycle [SDLC]

- What is SDLC?
- What are the different types of SDLC MODELS?
- What is waterfall model? Advantages and disadvantages
- What is spiral model? Advantages and disadvantages
- What is prototype model? Advantages and disadvantages
- What is V-V model? Advantages and disadvantages

3. White box testing /Unit testing

- What is Unit testing? Its types.
- What is Statement coverage with example
- What is decision coverage with example
- What is Branch coverage with example
- What is condition coverage with example
- Advantages and disadvantages of Unit testing.

4. Black Box Testing

- What is black box testing
- Types of Black box testing
- What is functional testing? and its types
- What is component testing? With example
- What is Smoke testing? With example
- What is Smoke testing? With example
- What is Integration testing? its types ?with example
- What is Regression testing? With example
- What is system testing? With example
- What is UAT?
- What is compatibility testing? With example .And its advantages and disadvantages
- What is exploratory testing? With example and its advantages and disadvantages
- What is API testing ?and its types
- What is Globalization testing? And its types
- What is Internationalization testing [I18N testing]?

- What is Localization testing [L10N testing]?
- What is Ad-hoc testing?

5. Non-Functional Testing

- What is Performance testing?
- What is Security testing?
- What is Reliability testing?
- What is survivalability testing?
- What is Availability testing?
- What is Usability testing?
- What is Scalability testing?
- What is interoperability testing?
- What is efficiency testing?
- What is flexibility testing?
- What is portability testing?
- What is load testing?

6. Test Plan

- What is test plan? Different components of Test plan

7. Test Case

- What is test case document
- Practices to write good test case
- Why do we write test case
- What is Test scenario
- How to write test scenario
- What is RTM?
- How to prepare RTM document and its advantages
- What are test design techniques
- What is boundary value analysis [BVA]
- What is Equivalence class partitioning [ECP]
- What is Error guessing

8. Test Data

- What is test data
- Criteria of test data
- Test data generation approaches

9. Software test life cycle [STLC]

- What is STLC?
- What are different steps in STLC
- Advantages of STLC

10. Defect Life cycle

- What is defect life cycle?
- Different steps of Defect life cycle
- What is Defect Report?