

## Certified Software Tester – Intermediate Level (CTIL)<sup>™</sup>

### Course Outline



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#### What Modules are covered?

##### Module 1 – Overview of Testing

- 1) Introduction of Testing
- 2) Significance of Testing
- 3) Seven Testing Principles
- 4) Physiology of testing
- 5) Who can do testing?
- 6) Skill sets for testing professionals
- 7) Tasks handled by test professionals
- 8) SDLC and phases of SDLC
- 9) Life Cycle Modules
- 10) Definition and use of Agile and Scrum
- 11) What is build and build process?
- 12) STLC
- 13) Business Requirements
- 14) What is FRD?
- 15) Code of Ethics
- 16) Advantages of Manual and Automatic Testing

##### Module 2 – Test Plan

- 1) What is test plan?
- 2) Objective, scope and Strategy of test plans
- 3) How to write test plan?
- 4) Test Case
- 5) Test Case Specification
- 6) Test Procedure Specification
- 7) Test Log
- 8) Test Incident Report
- 9) Test Summary Report
- 10) Software Metrics
- 11) Types of Metrics

##### Module 3 – Test Case and Execution

- 1) Test Case
- 2) How to write effective test cases?
- 3) Test case review
- 4) Trace-ability matrix
- 5) Defect or bug
- 6) Bug Lifecycle
- 7) Priority vs severity
- 8) Causes of software defects
- 9) How to write test cases
- 10) Tracking and bug reporting

##### Module 4 – Test Review

- 1) What is test review
- 2) Objective of reviews (Formal, Informal, Technical and Peer)
- 3) Value of review
- 4) Success factor for reviews

##### Module 5 – Types of Testing

- 1) Types of Testing (Manual and Automation)
- 2) Methods of Testing (Black Box, White Box and Grey Box Testing)
- 3) Levels of Testing
- 4) Non-functional Testing

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