

TechnoMaster

Software Testing (Automation)

Duration: 30 Hrs (Changeable) | Fees: Individual / Batch

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- Ethical Hacking



Syllabus Contd..

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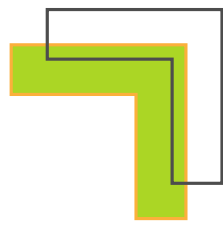
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MODULE 1

- * Software development life cycle
- * SDLC development models
- * Water fall model
- * Evolutionary development model
- * Agile model
- * Test driven development
- * Scrum model

MODULE 2

- * Types of automation
- * Unit test, integration, system testing
- * GUL testing, API testing, load testing
- * Smoke /sanity testing importance
- * Regression/ Functional testing

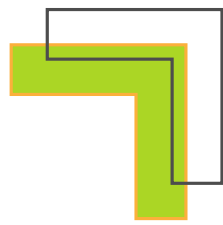
MODULE 3

- * Uses cases for testers
- * Writing good use cases
- * Elevator, mobile, phone, pen, coffee vending machine
- * List of technologies
- * Black box test technology
- * Boundary value analysis
- * Equivalence class partition
- * Error guessing



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- * White box test technology
- * Statement coverage
- * Condition coverage
- * Path coverage
- * Branch coverage
- * Types of test cases
- * Positive and negative cases
- * UI test cases
- * Usability test cases
- * Field validation
- * Functional test cases

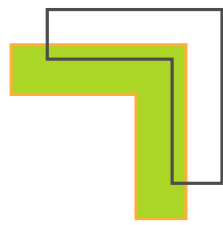
MODULE 4

- * Test plan document
- * Title
- * Revision history
- * Objective of document
- * Scope of document
- * Objective of testing
- * Metric collection
- * Project description
- * Critical functionality
- * Test data requirement



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- * Features not to be used
- * Test environment
- * Training requirements
- * Effort estimation
- * Resource requirement
- * Scheduling
- * Test strategy
- * Input/ entry criteria
- * Exit criteria
- * Test suspension and resumption criteria
- * Test completion criteria
- * Acceptance criteria
- * Bug classification
- * Test deliverables
- * Standards to be followed
- * Risk analysis

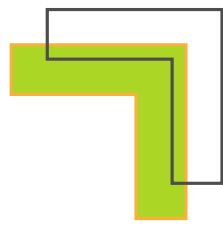
MODULE 5

- * Bugs
- * Bug classifications
- * Bug template
- * Bug tracking
- * Bug tracking tools



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- * Bug life cycle
- * Statues for bug life cycle

MODULE 6

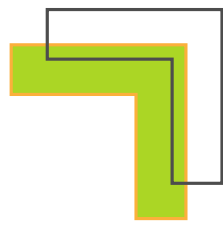
- * JAVA
- * OO concepts
- * Encapsulation
- * Inheritance
- * Abstract classes, interface, final
- * Polymorphism
- * Overriding, overloading, this, super, constructor
- * General
- * Collection
- * Lists, sets, revise basic algorithms if time permits
- * Exception handling
- * JDBC

MODULE 7

- * Log4J
- * ANT
- * SVN
- * HUDSON
- * JIRA, Bugzilla
- * JUNIT, Test NG

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- * Other languages
- * SQL
- * PERL
- * UNIX

MODULE 8

- * Mercury quick test pro
- * Introduction
- * Recording
- * Object repository
- * Standard checkpoints
- * Database checkpoints need to look
- * Parameterization
- * Data drive testing
- * Output values
- * Actions
- * Descriptive programming

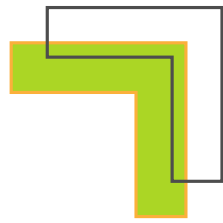
MODULE 9

- * Load testing (load runner)
- * Fundamentals of load runner
- * Planning an effective load test
- * Load runner installation
- * Virtual user generator scripting



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- * Recording and playback
- * Action and transactions
- * Parameters, checkpoints correlation
- * Advanced correlation
- * Enhance V user output log
- * Error handling
- * Introduction to scenarios
- * Using run-time setting
- * Scenarios execution
- * Scheduling scenarios
- * Performance monitors
- * Result analysis
- * Building effective load test scripts
- * Load runner hand on exercises

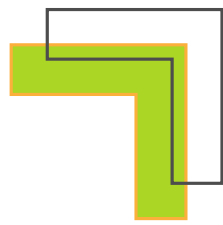
MODULE 10

- * Test management tools
- * Adding test requirements
- * Create tests
- * Executing test case manually
- * Analyze project progress
- * Run tests and analyze the results
- * Report and trace defects



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- * Document generator
- * Executing test scripts remotely and more
- * The test case with requirements
- * Descriptive programming

MODULE 11

- * Manual testing real project
- * Take a real project and do the following in different phases of the QA lifecycle
- * QA basic
- * Requirement
- * Test plan
- * Sizing
- * Test case
- * Bug lifecycle
- * Log- with log4j
- * Build
- * Boundary value analysis and equivalence partitioning
- * End and end testing
- * Status reporting
- * UAT
- * Production check out

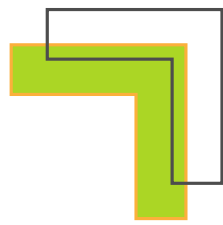
MODULE 12

- * OR



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- * SOR
- * Basic of web syntax
- * Descriptive programing
- * Functions
- * Functional library
- * Excel integration
- * Option explicit
- * Loop
- * Original identifier
- * Get TO property
- * Get RO property
- * Showing manual test script
- * Error handling using script
- * Recovery scenario