TechnoMaster

Software Testing (Automation)

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

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ALL IT Courses

- Python Full Courses
- Digital Marketing
- Php/MySQL
- Laravel
- Asp.net MVC
- Flutter
- Android, Java, IOS
- Wordpress
- Software Testing
- Web Design
- Angular JS
- React JS
- CCNA, MCSA
- AWS, GCP, Azure
- ODOO, Fortinet
- Ethical Hacking

Syllabus Contd..

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Syllabus

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

Syllabus

- 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

- 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

- 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

- Other languages
- SQL
- PERL
- UNIX

MODULE 8

- Mercury quick test pro
- Introduction
- Recording
- Object repository
- Standard checkpoints
- Database checkpoints need to look
- Parameterization
- Data drove 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

- 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

- 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

Syllabus

- 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