



Garden Academy

Software QA Engineering

LEARNERS BROCHURE

Welcome to the Software Quality Assurance Engineering Course

It is exciting to know that you want to build your career as a high performing, industry recognized Software Quality Assurance Engineer. We are look forward to starting this amazing journey with you.

We have carefully curated the best learning curriculum and learning content, combining real life Business Cases, hands-on practical sessions, mentorship, and career guidance to help you grow to become the industry best in 3 months.

We want to make you a leader in the industry by helping you build your skills in UI Testing, Test Documentation, API Testing, Postman, Newman for CLI Execution, Security Testing, Database Management, Mobile Automation, Web Automation, and other core competencies.

Welcome to your tomorrow, it starts today.



Our Partners: VentureGarden Group Microsoft



How You Will Learn?

The Perfect Blended Learning Experience





The Software QA Engineering Curriculum

WEEK 1

- What is software testing?
- Why is it necessary?
- 7 test principles
- Test levels: Component, Integration, System, Acceptance
- Test types
- Test techniques

WEEK 2

- Test plan
- Test suites
- Test cases
- Test management: Case study- Test link, Jira
- Bug, defect, bug reporting
- Softskill Session





WEEK 3

- What are APIs?
- Types of APIs: REST, SOAP
- API test tool e.g. Postman
- Scripting overview in Postman
- Interacting with environment variables in Postman
- Request, Response function in Postman
- Test Assertion in Postman



WEEK 4

- Practical Session on Postman and API Testing
- Q&A on Postman and API Testing

WEEK 5

- Introduction and installation of Newman
- Executing a collection in CLI
- Executing collection with environments
- Data driven test in collections Newman

WEEK 6

- What is OWAPS?
- 10 items of owaps 2017 and how to prevent them

tWEEK 7

- Postgre
- MySQL
- Heidi SQL

WEEK 8

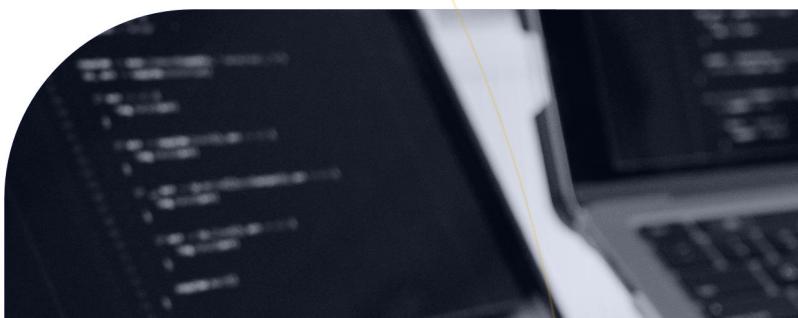
- Mocha
- Chai
- TestNG
- CSS selectors
- Introduction to Javascript

WEEK 9

- Overview of mobile testing
- Test Project

WEEK 10

- What is Web Automation
- How to test it?
- Web automation testing tools
- Selenium
- Cypress
- Cucumber BDD
- Q&A on Web Automation
- Practical Session in Web Automation



WEEK 11

- Jmeter
- Blazemeter
- Lighthouse
- Bitbucket
- Git/Github/Github Actions
- Jenkins
- Octopus
- Percy

WEEK 12

- Talk From Special Guests
- Student Feedback



Requirements:

- Good understanding of written and spoken English
- A computer (Mac or PC)
- A notepad/notebook
- An internet connection

REQUIREMENTS 09



Here is why you should join us:

1 Job Readiness, Career Advisory and Mentorship: As a fellow in our Software QA program, you will be provided with all the career support you need. You will get Resume support, LinkedIn profile optimization, job interview preparation, peer to peer developments session, soft skills training to help you get that big break..

2 Hands-on, Practical and Project-based Learning: Progress from Learning and Knowing these skills to doing them. Work on projects, real-life business cases in class and after your class; this will help you solidify your skills and build your portfolio as a Professional.

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JOIN US 11

Here is why you should join us:

3

In-class, Interactive Hands-on Learning Experience: You can meet your tutors live, ask them questions, get feedback and work on real time projects in class. You also get immediate reviews of your work.

4

Access to Recordings, Videos and Learning Materials: The recordings of your class are made available 10 minutes after your live class. You also have lifetime access to materials, videos and resources that can help you solidify your learning experience.



Our Success Story

As a brand, talent development and job placement has been our watchword.



Faculty Members



Fellows Trained
so far



Countries



Cities



Hiring Partners

Attend our Free Masterclasses:

Our free online masterclasses and events bring you a step closer to helping you fast-track your career as a Software QA Engineer.

Meet Executives, Senior QAs and Engineers from top Global companies.

Visit: www.gardenacademy.io



Garden Academy

Talk to us:

info@gardenacademy.io

+234 810 275 4930, +234 813 954 5259