



Your partner to first IT Job

In this comprehensive program, we offer more than just theoretical knowledge. Whether you're an industry veteran seeking to refine your skills or someone new to the field, our program is designed to provide you with a solid foundation and practical experience in QA and software testing.

Skillup Labs



QA & Software Testing

More info -
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Curriculum



Weeks 1-2: Introduction to Quality Assurance and Software Testing

Session 1: Overview of SDLC, Agile, QA and Testing

- Overview of SDLC and Agile
- Introduction to QA roles and responsibilities
- Importance of testing in the software development lifecycle

Session 2: Types of Testing and Testing Concepts

- Manual vs. automated testing
- Functional, non-functional, and regression testing



Weeks 3-4: Fundamentals of Testing

Session 3: Test Planning and Strategy

- Creating test plans
- Defining testing scope and objectives

Session 4: Test Case Design

- Writing effective test cases
- Test data and environment setup

Weeks 5-6: Manual Testing Techniques

Session 5: Execution and Reporting

- Test execution and tracking
- Understanding the defect life cycle
- Bug reporting and documentation

Session 6: Exploratory Testing

- Techniques for exploratory testing
- Session-based testing



Weeks 7-8: Introduction to Automation Testing

Session 7: Introduction to Automation

- Overview of automation tools
- When to automate vs. when to manually test

Session 8: Setting up an Automation Framework/Environment

- Installing and configuring automation tools (e.g., Selenium, JUnit/TestNG)

Weeks 9-10: Automation Testing Continued

Session 9: Scripting Basics

- Introduction to scripting language (e.g., Java)
- Writing basic automation scripts
- Handling different web elements
- Synchronisation and waits

Session 10: Advanced Automation Concepts

- Data-driven testing
- Page Object Model (POM) and other design patterns



Weeks 11-12: Advanced Topics and Real-world Scenarios

Session 11: Performance Testing

- Introduction to performance testing tools (e.g., JMeter)
- Load, stress, and scalability testing

Session 12: Real-world Projects and Case Studies

- Group projects to apply learned skills
- Review of real-world testing scenarios and problem-solving



Additional Considerations

Guest Speakers: We will be inviting experienced QA professionals to share insights and industry trends.

Hands-on Projects: We will include practical exercises and projects to build real-world experience.

Mock Interviews: We will conduct mock interviews to prepare participants for job interviews.

Career Development: We shall offer guidance on building resumes, LinkedIn profiles, and networking in the QA community.

Continuous Learning: We shall encourage participants to stay updated on industry developments and seek additional certification (ISTQB Foundation Level).



Tools

Eclipse, Jira, Postman, JMeter, Jenkins, Git, Selectorhub Extension, Xray

Instructor



- **Software Test Engineer at Wipro**
- **5+ years of industry experience**
- **Clients include ASX, Victoria Department of Health, Australia Post, NSW Department of Communities and Justice**
- **Versed in manual and automated software testing**



Duration: 14 Weeks

Classes: 2 days per week

Days: Monday and Thursday (6:30PM - 9PM)

Start date: 4th April 2024

Total Fee: \$5000 (Financial options available)



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LIMITED SEATS AVAILABLE