



QA Syllabus





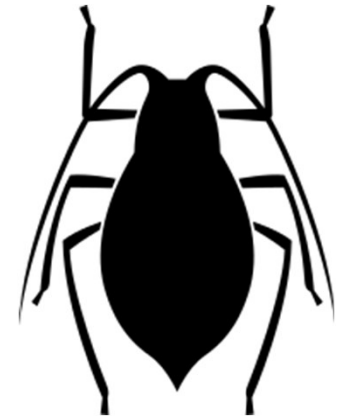
DAY 1

Introduction
Journey
Plans
Course Overview
Experience Sharing

WEEK 1

- **Fundamentals of testing**
 - QA/QC/Testing
 - Human and errors
 - Software Quality
 - Software Requirement
 - Objective of Testing and Correctness
 - Psychology of Testing
 - Test Metrics and its type

- **SDLC**
 - SDLC Phases
 - STLC Phases
 - Verification and Validation



WEEK 2



- **Testing Approaches and level of Testing**

- **Levels**

- Unit
- Integration
- Functional
- System
- Acceptance
- Alpha and Beta Testing

- **Types**

- Usability
- Performance

- **Types**

- Stress
- Load
- Volume Testing
- Sanity Testing
- Smoke Testing
- Regression Testing

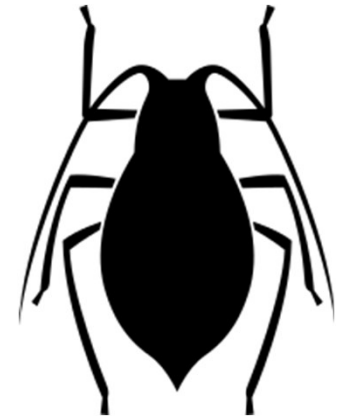
- **Methodology**

- Functional
- Non-Functional

- Test Plans
- Agile Methodology
- User Stories and Jira

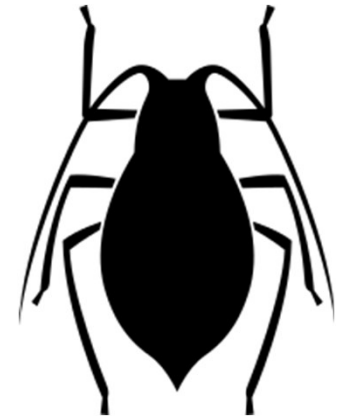
WEEK 3

- **Test cases**
 - Test Scenarios
 - Test Case Design and Template
 - Difference between Test Scenario and Test Case
 - Creating Test Cases for Sample Application
- Bug Reporting
- Buffer Day (To cover topic which were not covered in the previous days)



Week 4-5

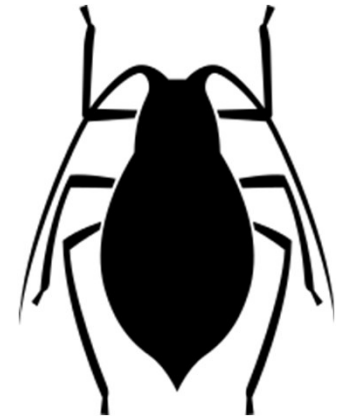
- **API Testing using Postman**
 - Automated and Dynamic Runner
- Load and Stress Testing
 - Jmeter Basics
- **Git**
 - Basic Commands
- Role of QA and PM



Week 6

Automation using Selenium and Cypress

- Basics of selenium
 - Java
- Cypress



Week 7

Data QA and Buffer for Automation

- Basics
- SQL Query
- JOINS

