

Gurukul Educational And Research Institute

SHIKSHA SANKUL, SAHASTRADHARA ROAD, NEARBY IT PARK,
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SOFTWARE TESTING (BASIC LEVEL)

Duration: 6 Months

Eligibility: 12th Pass / Basic Computer Knowledge

Mode: Theory + Practical+ Project

Module 1 – Introduction to Software & Testing

What is Software?

- SDLC (Software Development Life Cycle)
- STLC (Software Testing Life Cycle)
- Types of Software
- Importance of Testing
- Software Bugs & Errors

Module 2 – Manual Testing Basics

Types of Testing

- Unit Testing
- Integration Testing
- System Testing
- Acceptance Testing
- Black Box Testing
- White Box Testing (Basic Idea)
- Test Case Writing
- Test Scenario Creation
- Bug Reporting

Practical:

- Write Test Cases
- Identify Bugs
- Prepare BugReport

Module 3 – Testing Techniques

- Functional Testing
- Non-Functional Testing
- Regression Testing
- Smoke Testing
- Sanity Testing
- Performance Testing (Basic Concept)

Module 4 – Documentation & Reporting

- Test Plan
- Test Case Template
- Bug Report Format
- Defect Life Cycle
- Testing Documentation

Module 5 – Basic SQL (Important for Job)

Introduction to Database

What is SQL?

SELECT Statement

WHERE Clause

INSERT, UPDATE, DELETE

Basic Queries

Module 6 – Automation Testing (Introduction)

What is Automation Testing?

Introduction to Selenium

Basic Concept of Tools

Difference Between Manual & Automation

Project Work

Live Website Testing

Prepare Complete Test Case File

Bug Reporting Sheet

Final Viva

Examination Pattern

Theory – 50 Marks

Practical – 50 Marks

Project – 50 Marks

Viva–50 Marks

Career Opportunities After Course

Software Testing Trainee

- QA Executive
- Manual Tester
- Junior QA Analyst
- Software Testing Intern

