



A brief report of the 2-Day workshop on “Selenium Testing Tool” organized by Department Information Technology on 12th & 13th February, 2018 (Monday & Tuesday)

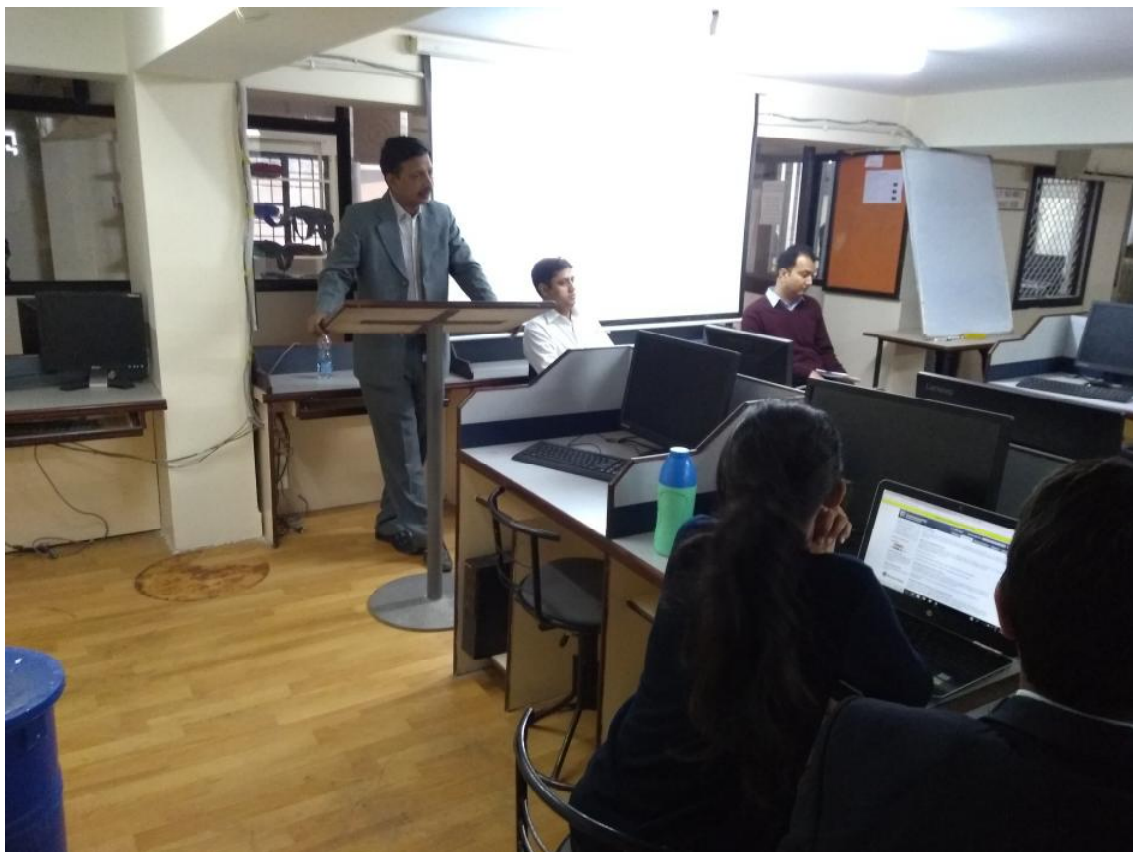
A 2-Day workshop (12 Hours) on **Selenium Testing Tool** was organized by **Department of Information Technology** on **12th & 13th February, 2018**. The workshop was organized for IV Year (VIII Sem.) students of IT & CS. In this workshop **41** students of IV Year- IT and **12** students of IV Year- CS participated (**Total 53**).

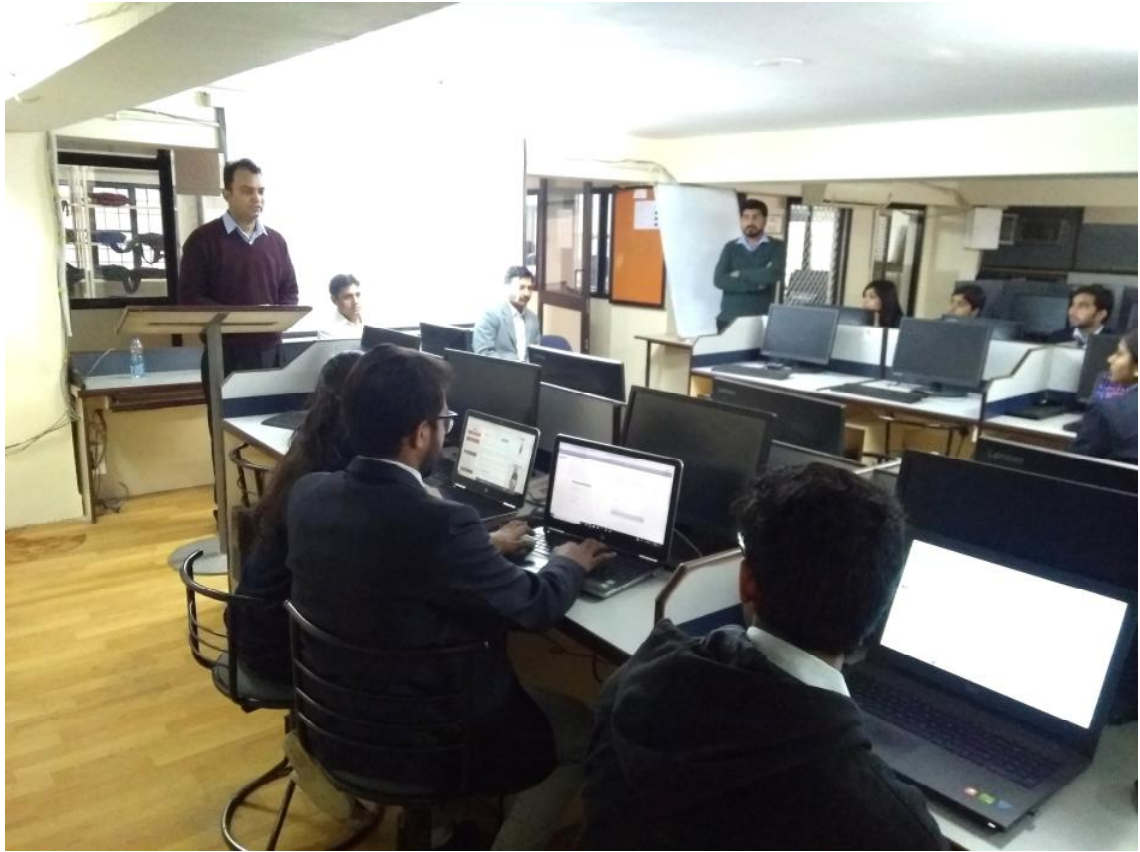
The main objective of this workshop was to provide the basic understanding of automated testing through **Selenium** open source testing tool. Selenium is one of the popular software testing frameworks for web applications. The workshop covered from the basics of test plan and test case design to advanced topic **Selenium – Web driver**.

The workshop was conducted by external training agency **TechnoGlobe, Jaipur** and the trainer was **Mr. Narendra Singh Nirwan, Technical Head, TechnoGlobe, Jaipur**

In the inaugural part of the workshop **Mr. Amol Saxena HoD-IT** formally welcomed **Mr. Narendra Singh Nirwan, Technical Head, TechnoGlobe** and **Mr. Vijay Gupta Manager - Students Relations, TechnoGlobe, Jaipur** in his opening address. He gave the introduction of the workshops with schedule and contents to be covered in the workshop.

The workshop was overall coordinated by Mr. Loveleen Kumar Asst Prof.-IT.





Brief introduction of Software Testing

1. Basic Testing
2. Quality Assurance versus Quality Control
3. Software Quality Factors
4. How Quality is Defined
5. What is a Defect?
6. Scope of Testing
7. Testing Constraints
8. Life Cycle Testing
9. Independent Testing
10. What is a QA Process?

Create the Test Plan and Test Cases

1. Defect Life Cycle
2. Defect Management
3. Manual Software Testing
4. User Interface testing
5. Database Testing

Selenium Testing Tool

1. Selenium Components
2. Selenium IDE
3. • Downloading and Installing Selenium IDE
4. • Recording and Running a Simple Test
5. • Selenium IDE – Features
6. • Installing Useful Tools for Writing Tests
7. • Selenium Concepts
8. • Selenium Commands
9. • Verifying Page Elements – Assertions and Verifications
10. • Wait Commands
11. • Object Identification
12. • Element Locators
13. • Regular Expression patterns
14. • Selenium Test Runner
15. • Using Regular Expressions in Selenium IDE
16. • Creating Selenium Test Suites

Advanced Selenium – Web driver

1. Advanced Selenium – Web driver
2. • Advantages of web driver
3. • Architecture of Web Driver
4. • Installation / Configuring Eclipse for Web Driver
5. • Identifying the elements in Web Driver Using Id
6. • Creating the generic scripts in Web Driver
7. • Creating the scripts by using functions
8. • Web Driver Client Libraries