



Automation Testing

Presented by: Saurabh Gupta

- Automation Testing means using an automation tool to execute your test cases.
- Automation does not require **Human Intervention**
- Automation **increases speed of test execution**

- Automation Testing **saves time, cost and manpower**
- Automation Testing **Improves Accuracy**
- Automation Testing **Increases Test Coverage**
- Automation Testing **Does What Manual Testing Cannot**
- Automation Testing **Helps Developers and Testers**

- Feature that are important for the business
- Scenarios which have **large amount of data**
- **Common functionalities** across applications
- **Complexity** of test cases
- Ability to use the same test cases for cross browser testing

➤ **Linear Automation Framework -**

- Simplest Framework to use and implement
- In this framework, entire test case flow will be written in a **linear manner**

➤ **Modular Automation Framework –**

- Also known as **Functional Decomposition Framework**
- In this framework, write the entire code into **different functions** and then **call these functions** wherever required.

➤ **Data Driven Framework –**

- In this framework, data is kept separate from the code, preferably in **excel files**
- Helps to execute the same code for **multiple sets of data**

➤ **Keyword Driven Framework –**

- In this framework, create **different keywords** and associate different actions with these **keywords**
- It will execute the action associated with that framework.

➤ **Hybrid Framework –**

- **Hybrid framework** is a combination of one or more frameworks
- Based upon the requirements, we can combine the features of any of the above frameworks
- The **resultant framework** would be a **Hybrid framework**

- **QTP - (HP's Quick Test Professional)**
 - Now known as **HP Functional Test**
 - It is the **market leader in Functional Testing Tool**

- **Rational Robot -**
 - It's is an **IBM tool** used to **automate regression, functional and configuration tests** for client server, e-commerce as well as ERP applications

➤ **Selenium –**

- Its an open source **Web Automation Tool**
- It supports all types of **web browsers**
- Despite being open source its actively developed and supported