DELHI TECHNOLOGICAL UNIVERSITY

Department of Software Engineering

Labs & Infrastructure

Software Testing Research Lab
Officer-in-Charge: Prof. Ruchika Malhotra

Software testing is the process of evaluating a software application to identify and fix defects (bugs) before it is released to users. It ensures that the software meets the specified requirements and functions correctly under different conditions.

Key Objectives of Software Testing:

1. **Identify Bugs and Defects** → Ensures software is free of critical errors.
2. **Improve Software Quality** → Enhances reliability, performance, and security.
3. **Ensure User Satisfaction** → Verifies that the software meets user expectations.
4. **Verify Compliance** → Ensures adherence to industry standards and requirements.
5. **Reduce Development Costs** → Catching bugs early saves time and money.

SCOPE OF STR

Software Testing is a Research Lab for Research Scholars for the purpose of their research in respective field. The scope is define by deciding what parts of the **software** will be tested, like specific features or functions. Next, set clear objectives, which are the goals you want to achieve with the **tests**, such as finding bugs or verifying performance.

Equipments in Lab:

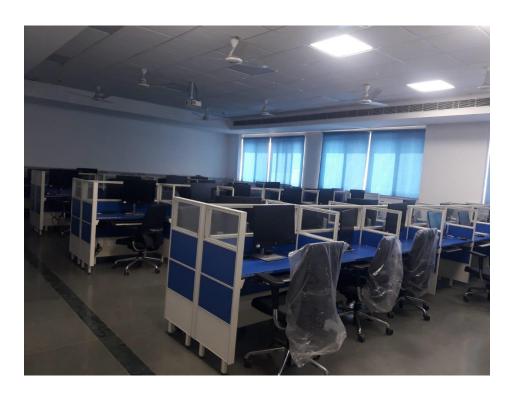**Computers and Hardware Peripherals -:**

Lab Name	Manufacturer/ Model	Processor/RAM/HDD	Operating System	Unit
Software Testing and Research Lab	HP	Processor 12th Gen Intel(R) Core (TM) i7-12700 2.10 GHz Installed RAM 16.0 GB System type 64-bit operating system, x64-based processor	64-bit Windows 11 pro	05
	Dell	Processor 12th Gen Intel(R) Core (TM) i7-12700 2.10 GHz Installed RAM 8.0 GB	Windows 11	10

Wi-Fi: -
Manageable Wi-Fi access point in the lab for access Internet on Desktop and Laptop.
Installed Software & Tools: -
Oracle, 10g , Turbo C++ 4.0 , Code blocks – 13.12 , Dev Cpp - 4.9.9.2, Python, JAVA, Ms Office. etc.

Software Testing and Research Lab, SE Department, DTU, Delhi