**SOFWARE TESTING ASSIGNMENT**

Module – 4 (Automation core testing (Load runner up and selenium IDE)

* **Which components have you used in load runner ?**

We use 3 components in the load runner

1.hp load runner

2.controller

3.analyzer

* **How can you set the number of V users in load runner ?**

At the time of designing we can set the number of v users in the load runner.

* **What is correlation ?**

Correlation is to relate two scripts with each other. This means we load runner generates the scripts of actions done in the different modules we need to correlate the two modules’ scripts with each other.

* **What is the process for developing a Vuser script ?**

The process for developing a Vuser Script is as follows:

Starting the load runner now set the solution name and URL,

Start the recording and explore the website.

Now stop the recording and correlate the scripts

Like this Vuser script is developed.

* **How load runner interacts with the application ?**

With the help of components, the load runner interacts with the application.

* **How many Vusers are required for load testing ?**

we can use as many Vusers as we want for load testing.

* **What is the relationship between Response Time and Throughput?**

Response time and throughput both are related. It shows the time needed to respond to a particular activity or a system to perform.

Response time is the time that any particular activity takes to perform and respond.

Throughput is a time that shows how the whole application will respond.

* **What is the difference between hits/second and requests/second?**

Requests/second is how many requests are taken by the system per second.

Hits/second is how the system will give the result of requests per second.

* **To test the Performance testing on the “Tops Technologies website”:- https://www.tops- int.com/**

1. to Record all top-level menu
2. to Record minimum 10 Users on this website
3. save all (Script, Design, Graph)

**Selenium IDE)**

* **What is Automation testing ?**

Automated testing is a process that validates if software is functioning appropriately and meeting requirements before it is released into production.this software testing method uses scripted sequences that are executed by testing tools.

* **Which are the browsers supported by selenium ide ?**

Browsers supported by selenium are :

**Google chrome**

**Internet explorer 7 onwards**

**Safari**

**Opera**

**Firefox**

* **What are the benefits of automation testing ?**

Lower operating costs

Improved worker safety

Reduced factory lead times

Faster ROI

Ability to be more competitive

Increased production output

Consistent and improved part production and quality

Smaller environment footprint

* **What are the advantages of selenium ?**

Open source

Supports operating systems

Support across browsers

Tests across devices

Ease of implementation

* **Why testers should opt for selenium and not QTP ?**

Selenium however supports a wide range of programming languages.QTP test scripts run only on the windows environment.they cannot be run across all browsers.on the other hand,selenium is OS independent and allows test scripts to run across all browsers.