TOPS TECHNOLOGIES

**Software testing assignment**

**Module-4 Automation core testing (load runner up and selenium IDE)**

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

= The components of Load Runner are we used in load runner is :

o Load Runner, Virtual User Generator, Controller, and the Agent process, Analysis

Load Generator: It is used to generate the load against the application by running the script.

VuGen: It is used for generating and editing scripts.

Controller: It is used to control, launch, and sequence the instance of a Load Generator.

Agent Process: It is used to manage the connection between the Controller and Load Generator instances.

Analysis: It assembles the logs from different load generators and formats the reports for visualization of results and monitoring data.

**2 How can you set the number of Vusers in load runner?**

= You can set the number of Vusers in the controller section while creating your scenarios.

Many other advanced options like ramp-up, ramp-down of Vusers are also available in the Controller section.

**3 What is Correlation?**

= In applications output of the previous transaction is used as an input for the next transaction.

**4 What is the process for developing a Vuser Script?**

= There are four steps for developing a Vuser script.

1. Record the Vuser Script.

2. Playback / Enhance the recorded Vuser script.

3. Define the various run-time settings & check

4. Incorporate the script in a Load Runner scenario

**5 How Load Runner interacts with the application?**

=Protocol is used in Load Runner to interact with the application.

**6 How many VUsers are required for load testing?**

= The number of VUsers required depends on your system under test, network configurations, hardware settings, memory, operating system, software applications objective of a performance test.

There can not be any generic value for Vuser.

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

= The Throughput shows the amount of data in bytes that the Vusers received from the server in a second.

When It is compared with transaction response time, throughput and response time get decreased.

The peak throughput and highest response time would occur approximately at the same time.

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

=Hits /second mean the number of hits the server receives in one second from the Vuser.

Request /second is the number of request the Vuser will request from the server.