Module-4

Automation Core Testing (Load Runner Up and Selenium IDE)

•  Which components have you used in Load Runner?

The key components of LoadRunner are:

* Load Generator generates the load against the application by following scripts
* VuGen (Virtual User Generator) for generating and editing scripts
* Controller controls, launches and sequences instances of Load Generator - specifying which script to use, for how long etc. During runs the Controller receives real-time monitoring data and displays status.
* Agent process manages connection between Controller and Load Generator instances.
* Analysis assembles logs from various load generators and formats reports for visualization of run result data and monitoring data.

•  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.

•  What is Correlation?

Correlation in JMeter is the process of capturing and storing the dynamic response

from the server and passing it on to subsequent requests. In JMeter, correlation is very

important. That's because dynamic sites require correlation during performance load test

scripting.

•  What is the process for developing a Vuser Script?

Create a Vuser script template

* Open a script in VuGen.
* Select File > User-Defined Templates > Export to Template.
* Enter a name and location for the template.
* Click OK to create the template.

•  How Load Runner interacts with the application?

LoadRunner simulates user activity by generating messages between application components or by simulating interactions with the user interface such as key presses or mouse movements. The messages and interactions to be generated are stored in scripts

•  How many VUsers are required for load testing?

For example, if you run a load test with 10,000 virtual users, each making a request every 20 seconds (3 requests per minute), then you're making 30,000 requests per minute, which equals 500 requests per second.

•  What is the relationship between Response Time and Throughput?

The Throughput graph shows the amount of data in bytes that the Vusers received from the server in a second. When we compare this with the transaction response time, we will notice that as throughput decreased, the response time also decreased.

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

Hits per second means the number of hits the server receives in one second from the vuser. Request per second is the number of request the vuser will request from the server.

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

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