

## **LOAD RUNNER WITH PROJECT**



LOAD Runner

### **Chapter 1: Introduction of Software Testing**

#### **Module - I**

##### **1. Performance test life cycle**

- Proof Of Concepts (POC)
- Statement Of Work (SOW)
- Non Functional Requirements gathering (NFR)
- Test Strategy / Test plan
- Work load model / Load Profiling
- Scripting
- Execution
- Analysis
- Reporting and recommendations

#### **Module - II**

##### **2. Loadrunner Components**

- Virtual User Generator(Vugen)
- Controller
- Analysis
- Load generator
- Agent Processes

### **3.Virtual User Generator (Vugen)**

- Script recording and replay
- Scripting Enhancements
- Correlation
- Parameterization
- Check points
- C Functions usage
- Recording options
- Runtime Settings

### **4.LR Protocols**

- Web (Http/Html)
- API Testing
- Web services
- Ajax TruClient

### **5.Test data setup**

- Toad / My SQL (Theoretical overview)

### **6.Data preparation tool**

- Virtual Table Server (VTS)

### **7.Integration**

- GIT, ALM, Micro Focus PC Integration (Document overview)

## **Module - III**

### **8.Controller**

- Manual scenario
- Goal oriented scenario
- PerfMon activities during load test
- Various types of graphs
- Controller Error Messages

### **9.Performance testing types**

- Baseline
- Load test

- Stress test
- Endurance test
- Spike test
- Volume test
- Fail Over Test
- Capacity Test

#### 10. Analysis - Client side analysis

- Test summary
- Running users
- Hits per second
- Throughput
- Average response time

### Module - IV

#### 11. Network traffic debugging tools

- Fiddler
- Developer tools (F12)
- HTTP watch

#### 12. Analysis - server side analysis

- CPU Utilization of servers
- Memory utilization
- Connection distribution over servers
- DB Utilizations

#### 13. Monitoring tools

- PerfMon
- Appdynamics
- Dynatrace

#### 14. Profiling tools

- Jprofiler/Jvisual VM
- Eclipse MAT

## 15. Bottle Necks

- Memory leakage
- Dead locks
- Load distribution

## 16. Data base monitoring

- AWR (Documental overview)

### **INCLUDING TRAINING:**

1. Resume Preparation
2. Interview Questions
3. Mock Interviews
4. One Bank Project
5. Placement Assistance