TOPS TECHNOLOGIES

**Software testing assignment**

**Module-3(Testing on Live Application)**

**1 What is load testing?**

= It's a performance testing to check system behaviour under load. Testing an application under heavy loads, such as testing a website under a range of loads to determine at what point the system’s response time degrades or fails.

**2 What is stress Testing?**

= Stress testing is used to test the stability & reliability of the system. This test mainly determines the system on its robustness and error handling under extremely heavy load

**3 When to used Usability Testing?**

= Usability testing used when :-

\* Before Any Design Decisions Are Made.

\* When It's Time to Evaluate and Iterate.

\* After Launch.

\* In High-Risk, Low-Certainty Situations.

**4 What is the procedure for GUI Testing?**

= The approach of GUI Testing

**∙ MANUAL BASED TESTING: -** Under this approach, graphical screens are checked manually by testers in conformance with the requirements stated in the business requirements document.

**∙ RECORD AND REPLAY: -** GUI testing can be done using automation tools. This is done in 2 parts. During Record, test steps are captured into the automation tool. During playback, the recorded test steps are executed on the Application under Test. Example of such a tool - QTP.

**∙ MODEL-BASED TESTING: -** A model is a graphical description of a system’s behaviour. It helps us to understand and predict the system’s behaviour. Models help in a generation of efficient test cases using the system requirements.