**Software Testing Assignment**

**Module-3 (**(**Context Based Testing)**

1. What is load testing?

Its a performance testing to check system behavior under load. Testing an application under heavy loads, such as testing of a web site under a range of loads to determine at what point the system’s response time degrades or fails.

Load testing is a kind of performance testing which determines a system’s performance under real-life load conditions. This testing helps determine how the application behaves when multiple users access it simultaneously.

2. What is stress Testing?

System is stressed beyond its specifications to check how and when it fails. Performed under heavy load like putting large number beyond storage capacity, complex database queries, continuous input to system or database load.

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 conditions.

1. When to used Usablity Testing?

usability testing can and should be conducted on the current iteration of a product before beginning any new design work, after you’ve begun the strategy work around a brand new site or app.

4. What is the procedure for GUI Testing?

**GUI Testing Approaches**

1. Manual Testing. This approach involves human tester, where each screen is manually checked to validate each functionality by creating and executing test cases. ...
2. Record and Replay Testing. GUI record and replay tools are used to test applications for their user interface. ...
3. Model-based testing.