RELIABILITY TESTING

What is Reliability Testing?

Software reliability testing a testing technique that relates to testing a software's ability to function given environmental conditions consistently that helps uncover issues in the software design and functionality.

Parameters involved in Reliability Testing:

Dependent elements of reliability Testing:

- Probability of failure-free operation

- Length of time of failure-free operation

- The environment in which it is executed

Key Parameters that are measured as part of reliability are given below:

- MTTF: Mean Time To Failure

- MTTR: Mean Time To Repair

- MTBF: Mean Time Between Failures $= MTTF + MTTR$

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