

# **SOFTWARE RELIABILITY USING SOFTWARE METRICS AND SOFTWARE FAULT ANALYSIS**

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## **ABSTRACT**

In this Paper, Prediction, progress, and process improvement. Measurement permeates everyday life and is an essential part in every scientific and engineering discipline. Measurement allows the acquisition of information that can be used for developing theories and models, and devising, assessing, and using methods and techniques. Software measurement is a way to track the process. As Grady states, "Without such measures for managing software, it is difficult for any organization to understand whether it is successful, and it is difficult to resist frequent changes of strategy".

**KEYWORDS:** Reliability Relevant Software Metrics, Software Reliability Growth Models, Proposed Model, Implementation Model, Existing Model, Research Design Algorithm and Weightage Assignment to Risk, Calculation of Different Risk Factors