





- Research Purpose
- Research Scope
- Research Method
- Related Research
- Measurement Model for Reliability on e-biz solution
- Findings & Conclusion

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Research Method

 Estimate and prediction case calculated by Software Reliability Measurement Metric

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- Software Reliability
 - · Predicts how software reliability should improve over time as faults are discovered and repaired
 - Based on an analysis of the accuracy of similar predictions at earlier stages in the acquisition of data from testing a program
 - There are several different reliability metrics
 - The most appropriate metric for a specific system depends. on the type of system and application domain

 (\mathbf{x}, \mathbf{y})

Definition

- The probability that software fault do not cause a failure during a specific exposure period in a specified use environment.
- Fault
- defect that causes or can potentially cause a failure when executed. Failure
- departure of system behavior in execution from user requirements
- Execution Time
- Calendar Time
- Operational Profile

(BASHA)

- Quantitative study of the operational behavior of software-based systems with respect to user requirements concerning reliability Software reliability engineering
- - Software reliability measurement, which includes estimation and prediction, with the help of software reliability models established in the literature
 - the attributes and metrics of product design, development process. system architecture, software operational environment, and their implications on reliability
 - the application of this knowledge in specifying and guiding system software architecture, development, testing, acquisition, use, and maintenance

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