PERFORMANCE STUDY OF SOFTWARE QUALITY MANAGEMENT TECHNIQUES

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As software is becoming a critical component in organizations and the society the quality of software becomes a crucial factor. The intangibility of software and its accumulating detriment effect lead software products to be of low quality. This results in high risk in rejecting the product. Quality of Software is a very important issue that should be managed effectively throughout the Software Engineering Process.

Meeting written requirements for scope, time and cost is not sufficient for a software system to be successful. In order to achieve customer satisfaction, the project team should understand the customer's stated and implied needs. Customer needs can successfully be addressed by maintaining the quality factor.

Several mission critical systems have caused deaths and many business systems have resulted in major financial breakdowns and loss of reputation due to the lack of software quality. Therefore quality in software should be managed from the start and throughout to the end of the system development process.

During the history of software development less emphasis has been given to quality management. Additionally there are not more than a handful of standards implemented. Even the standards exist are not fully explanative. So it is important to introduce new standards for software quality management.

This report analyses the existing quality management techniques and their performances.