Abstract

Requirement engineering is the most powerful phase of software development process. It targets to collect good requirements from stakeholders in the right way. Requirements engineering is the initial phase of software engineering process in which user requirements are gathered, understood, and state clearly for developing quality software products. The current software process improvement standards have no special section mentioned to requirements engineering process and they widely treat it as a single activity in the overall development process. This research displays that in order to produce quality software greater attention must be given to the improvement of RE process. In this research paper five key process areas have been identified in order to improve the RE process. This research project aims to display that quality requirements will come after when the RE process supports these five KPAs. To implement these KPAs, a requirement elicitation, analysis and validation method (REAVM) is proposed. A framework has been developed in order to evaluate the REAVM.

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**Index Terms**

Computer Science

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**Keywords**

Requirements Engineering Process  Key Process Areas  REAVM  Requirement
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