Abstract

Software project development has always been associated with high failure rate. The failure of a software project depends on rooted risks. These risks don’t come into face at early stages of requirement gathering and analysis which carried on in the further phases of development greatly affects the cost of a software project. Researchers consider requirements uncertainty and risk as a problem to be addressed during the early stages of software development. It is a well known fact that it is more feasible to make changes to the software system under development in the early stages of the software development cycle. However, there are a very few techniques available for assessing risk at the requirements level and those that are available are highly subjective and are not based on any formal design models. In this paper, a method has been proposed to implement inspection technique for identifying the key requirement risk factors responsible in achieving successful outcome and use a Bayesian network approach to establish a model for predicting the risks that leads to fail a software projects.
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Index Terms

Computer Science

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**Keywords**

Software development  Requirement Risk  Bayesian Analysis  Inspection Technique