

A STEP TOWARDS PREVENTIVE RISK MANAGEMENT IN SOFTWARE PROJECTS

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ABSTRACT

Software development projects complexities have climbed up drastically over the last few decades. This increase in complexity has been accompanied by high failure rates in software projects. This is mainly due to the poorly-applied risk management process while developing software projects. A recent research revealed that most software development organizations practice the development process and the risk management process as two separate isolated processes, and the integration between them is still in its infancy. In this research we believe that if risk management is integrated into the software development process, this will positively reflect on the development process, greatly affect projects outcomes, and remarkably increase the success rate. In order to achieve this integration, in this paper we propose a preventive risk management model that integrates risk management into the software development process.

KEY WORDS

Risk Management; Preventive Risk Management; Risk Management Model; SDLC; Risk Management Strategy.