A STEP TOWARDS PREVENTIVE RISK MANAGEMENT IN
SOFTWARE PROJECTS

HANEEN HIJAZI
Hashemite University
Zarqa, Jordan

THAIR KHDOUR
Al Balqa Applied University
Salt, Jordan

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.