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A SIMPLE MODEL FOR ANALYSING SOFTWARE PROJECT MATURITY – SPM3

By

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DECLARATION

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Prof. N. D. Gunawardene

Abstract

Quality of the processes followed in organisations is one of the main factors for their success. Organisations with proper project management processes and practices are considered as stable and the outcome is expected to be of high standards. According to Standish Group most project failures are due to project management related issues.

This research looks into project management processes & practices being followed by the Sri Lankan software industry and goes onto find strengths & weakness in software organisations related to project management.

The most important work carried out in this research was the building of SPM3 (Simple Project Management Maturity Model), a simple model for analysing software project maturity. SPM3 focuses on all forty four project management processes defined in PMBOK. The model was applied to software organisations to find how well they have followed project management processes.

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As a result of this research, many facts were uncovered related to project management processes being followed. Observations clearly show a relationship between the maturity of the processes being followed and criteria such as size of the organisations and the percentage of foreign projects handled. The positives as well as the weaknesses were analysed and these information can be used to improve the industry and sustain it's growth.

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