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Influence of Project Management Methodologies on the Successfulness of IT Data-Warehousing Projects

By

T.K. Wijetilleka

Bachelor of Science (Honors) in Information Systems

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Master of Business Administration Degree
Faculty of Commerce & Management Studies
University of Kelaniya



Abstract

Data warehousing has become one of the most important applications of Information technology today. The new era of enterprise-wide systems integration and the growing demand for business intelligence has accelerated its applications. Most of the large companies have established data warehouse systems as a component of their information systems landscape. Data warehousing systems are developed through Information Technology projects. Information Technology projects are known for their varying levels of success. One of the key reasons to influence the success of a project could be the Project Management Methodology that has been used for implementation of the projects. Conventional as well as Agile project management methodologies are popular among the managers of Information Technology projects.

This research looks at whether actually there is an influence on success of the project from the project management methodology that has been used, and if so what type of project management methodologies are more suitable for Data warehousing projects in the Information Technology field. Data has been gathered via questionnaires distributed among manager of both client and service providing organizations, with respect to Data warehousing projects. It was identified through statistical analysis that there is an influence to the Project Success from the Project Management Methodologies that have been used. And further it was identified that the Agile methodologies are most suitable, compared to Conventional methodologies; for Data warehousing projects in the Information Technology field. Scrum methodology was identified to be the most influential Project Management Methodology, to project success.

Recommendation from the researcher to IT Project Managers is that, selecting Scrum Project Management Methodology would provide the highest influence to achieve greater successfulness at implementation and completion of their Data-Warehousing projects.