



# **APPLICATION OF PROJECT MANAGEMENT SOFTWARE IN IT PROJECTS**

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## Abstract

Information Technology has changed our lives dramatically over the past. With this enormous dependence on Information Technology the proper management of IT projects has become a critical aspect for many IT projects. Thus many tools and techniques were developed to assist the IT project management easier. Project management software was heavily used in IT projects in the initial stages of IT project management. But with the advent of new project management strategies such as agile methodologies and increased emphasis on cost and schedule compliances more and more organizations and individuals are turning away from the traditional project management software.

The main goal of this research is to find the factors affecting the application of project management software in the context of an IT project. The sample of this research was formed with IT professionals in Sri Lanka who are especially involved with IT project management responsibilities in their respective organizations. Data was gathered through a questionnaire survey distributed to the sample via email and web access.

The main findings of this research show that majority of IT professionals understand the management tasks that can be performed by project management software. It also confirms that IT projects have different aspects which are not addressed by traditional projects and requires special attention to these aspects. The research is also aimed at discovering user specific and organizational specific factors affecting the use of project management software. The impact of organizational methodologies adopted in IT project management in selection of project management software and the limitations faced by the organizations are discussed in this research. One of the key recommendations of this research is that knowledge of IT project management should be instilled in those who are responsible for such activities. The research also tries to recommend a guideline in selecting project management software for an organization.



Limitations of this research were the small sample space and the limited time duration. Although it was deemed that formal interviews and forum discussions would greatly benefit the purpose of this research, such research methodology could not be performed due to the short time allocated to the research project.

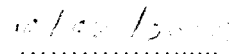
## Declaration

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## Table of Contents

1	Introduction.....	1
1.1	Background .....	1
1.2	Objectives .....	2
1.3	Methodology .....	3
1.4	Main Findings and Significance of study .....	3
1.5	Arrangement of report.....	4
2	Literature review.....	5
2.1	Introduction.....	5
2.2	IT Vs Non-IT Projects .....	5
2.3	Why IT Projects fail?.....	8
2.4	Complex software development .....	11
2.5	SDLC & Project Management.....	12
2.5.1	Waterfall Approach.....	13
2.5.2	The Spiral Lifecycle .....	15
2.5.3	Iterative Development .....	16
2.5.4	Agile Methodologies .....	17
2.6	Tools of Trade.....	23
2.6.1	Why do you need a tool? .....	24
2.6.2	Simple tools .....	24
2.6.3	The use of Generic/General software tools .....	25
2.6.4	Classical project management tools Vs. Agile project management tools..	27
2.6.5	Integrated Development tools.....	28
2.7	Summary .....	29
3	Methodology.....	30

3.1	Introduction .....	30
3.2	Framework of the Study .....	30
3.3	Operationalization of Variables .....	31
3.4	Population of Sample .....	34
3.5	Method of Data Collection and Analysis .....	35
3.6	Summary .....	35
4	Analysis and Discussion of Results .....	36
4.1	Introduction .....	36
4.2	Understanding on the importance of PM Software .....	36
4.3	Awareness of management tasks that can be performed through PM Software .....	37
4.4	Awareness of IT Project Specific Requirements .....	41
4.5	Key aspects of PM Software specific to IT projects .....	43
4.5.1	Multiple Project support .....	47
4.5.2	Scope Management .....	48
4.5.3	Report Generation and Communication .....	49
4.5.4	Resource Allocation .....	50
4.5.5	Metric documentation and Performance indicators .....	52
4.5.6	Risk Identification and Management .....	53
4.5.7	Project Schedule Management .....	54
4.5.8	Remote teams .....	54
4.5.9	Collective analysis of Key aspects of PM Software specific to IT projects .....	56
4.6	Project Management Software & User incompatibility .....	57
4.6.1	Average time taken to create activities/tasks for a small IT project .....	57
4.6.2	Average training time required for the PM software .....	59
4.6.3	User interface complexity .....	60

4.6.4	The level of skill required to use PM software.....	64
4.6.5	Possible demographic variables resulting aversion from use of technology.....	65
4.7	Organizational specific requirements in selecting PM software.....	71
4.7.1	Cost of PM software .....	71
4.7.2	Use of generic software for management purposes.....	71
4.7.3	Affects of software development lifecycle/methodology adopted by the organization .....	74
4.7.4	The use of in-house developed software or customized software .....	76
4.7.5	The usage of IDE tools with PM software functionality .....	77
4.8	Summary .....	78
5	Conclusions, Recommendations and Further Research.....	79
5.1	Conclusions.....	79
5.1.1	IT project specific factors affecting the usage of PM software and limitations of PM software .....	79
5.1.2	Knowledge of project management software functionality.....	80
5.1.3	Project management software user incompatibility.....	80
5.1.4	Organizational requirements affecting the selection/usage of IT projects ..	80
5.2	Recommendations.....	81
5.3	Limitations and Areas for Further Research.....	81
6	References.....	83



## List of Tables

Table 1 - IT and Non-IT Project Characteristics .....	6
Table 2 - Summary of the Chaos study 1995 .....	9
Table 3 - Advantages and Disadvantages of Waterfall approach .....	14
Table 4 - Differences between classical and agile PM software .....	27
Table 5 - The operationlization of variables.....	31
Table 6 - Frequent usage of PM software.....	36
Table 7 - Questions to investigate the awareness of management tasks that can be performed through PM Software .....	37
Table 8 - Descriptive statistics to test the awareness of management tasks that could be performed by PM software .....	38
Table 9 - Frequency analysis of responses received for the usage of PM software for creating the WBS.....	39
Table 10 - Frequency analysis (Project Management in IT Projects are different compared to other types of projects) .....	42
Table 11 - Questions testing the key aspects of IT projects .....	44
Table 12 - Frequency Table for questions testing key aspects required from PM Software for IT projects .....	46
Table 13 - Descriptive statistics (mean/std. deviation) for questions testing key aspects required from PM Software for IT projects.....	47
Table 14 - Question 9 Descriptive statistics .....	47
Table 15 - Descriptive analysis on responses recieved for performance indicator measurement capabilities of PM software.....	52
Table 16 - Risk Management capabilities of PM software.....	53
Table 17 - Project schedule management capabilities of PM software .....	54
Table 18 - Descriptive analysis of responses to determine support for remote located teams by PM software .....	55
Table 19 - Questions testing the complexity of PM Software user interface .....	60
Table 20 - Questions testing the existence of techniques to ease complexity .....	62
Table 21 - T test for use of auto completion fields and PM software complexity factors.....	62
Table 22 - T test for use of web controls and PM software complexity factors.....	63

Table 23 - Questions testing the level of skill required for PM software.....	64
Table 24 - One way ANOVA test for age groups and knowledge of PM software functionality & usage.....	66
Table 25 - One way ANOVA test for level of education groups and knowledge of PM software functionality & usage.....	67
Table 26 - Independent sample T-test for Education on project management and knowledge of PM software functionality & usage .....	68
Table 27 - One way ANOVA test for industry experience on project management and knowledge of PM software functionality & usage .....	69
Table 28 - Independent sample T-test for gender and knowledge of PM software functionality & usage.....	70
Table 29 - Cross tabulation of Use of generic software for PM usage and Development methodology/SDLC .....	73
Table 30 - Frequency analysis of SDLC adopted by the organization .....	74
Table 31 - Frequency analysis of tools support for agile methodologies .....	75



## List of Figures

Figure 1- Scope Change Failure Causes .....	10
Figure 2 - Complexity of software development .....	12
Figure 3 - Waterfall approach to System Development .....	13
Figure 4 - Spiral Model defined by Boehm .....	15
Figure 5 - Scrum work flow.....	23
Figure 6 - Product backlog in an Excel sheet .....	26
Figure 7 - Iteration burn-down chart in Excel (SCRUM).....	26
Figure 8 - Analysis of knowledge in PM software capabilities using Box plot .....	41
Figure 9 - Project Management in IT Projects are different compared to other types of projects responses .....	42
Figure 10 - Scope management capabilities of PM software used by the respondents.....	49
Figure 11 - Report Generation and communication capabilities of PM software .....	50
Figure 12 - Resource allocation capabilities of PM software.....	51
Figure 13- Histogram generated for responses of remote team support from PM software .....	55
Figure 14 - Summarative Descriptive statistics of Key aspects required for IT projects ..	56
Figure 15 - Bar chart generated for responses of average time taken to enter activities using PM software .....	58
Figure 16 - Bar chart generated for the responses measuring the training time required for PM software.....	59
Figure 17 - statistics for complexity factors of PM software UI .....	61
Figure 18 - Bar chart generated for question 27 responses (Experience using PM software) .....	65
Figure 19 - Cross tabulation bar chart for the use of office productivity software for project management and their effectiveness.....	72
Figure 20 -Visual representation of frequency Table 30 .....	74
Figure 21 - Visual representation of reasons for using customized PM software .....	76
Figure 22 - Visual representation of the existence of PM functionality in RAD tools .....	77

## List of Abbreviations

IT	Information Technology
KPI	Key Performance Index
PLC	Project Life Cycle
PM	Project management
ROI	Return on Investment
SDLC	Systems Development Life Cycle
WBS	Work break Down Structure
XP	Extreme Programming



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