

**A STUDY OF CONSTRAINTS AND CHALLENGES ON
THE EFFECTIVE USE OF PROJECT MANAGEMENT
SOFTWARE (PMS) IN INGO/NGO MANAGED
PROJECTS IN SRI LANKA**

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University of Moratuwa, Sri Lanka.
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Degree of Master of Science in Project Management

Department of Building Economics

University of Moratuwa
Sri Lanka

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DECLARATION

I declare that this is my own work and this thesis does not incorporate without acknowledgement any material previously submitted for a Degree or Diploma in any other University or institute of higher learning and to the best of my knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgement is made in the text.

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Signature of the supervisor:

Date

(Mr. L.D.I.P. Seneviratne)

ABSTRACT

This study describes the effective use of project management software in INGO/NGO managed projects in Sri Lanka. The research findings explain the main factors affecting the effective use of project management software by the project managers.

The findings point out that PMS skills, PMS limitation, trainings on PMS, organizational motivation for practicing of PMS and project overloaded are the main factors contributing to the usage levels of PMS. The results also show that PMS skills and PMS limitation and user satisfaction have a significant effect on usage of PMS. However it was established that the project overload on the project managers does not significantly affects the usage of PMS.

The results also indicate a strong relationship between usage of the PMS and project managers' PMS skills. The participants confirmed that the PMS enhances their quality of decision making and increases the likelihood of successful completion of the projects. The PMS functions monitoring the progress; preparing progress report and manage better budget control are the acceptable to the users. The results also show only 35 % PMS packages were used by INGO and NGOs. Among this MS Office Project is more popular software tool in INGO/NGOs.

Keywords: *Project management software, INGO, NGO, Project Management Tools, Software Tools*

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ABBREVIATION

PMS	-	Project Management Software
NGO	-	Non Governmental Organization
INGO	-	International Non Governmental Organization
PM	-	Project Management
PMI	-	Project Management Institute
IPMA	-	International Project Management Association
LFW	-	Logical Frame Work
WBS	-	Work Breakdown Structure
PERT	-	Program Evaluation and Review Technique
CPM	-	Critical Path Method
LF	-	Log Frame
USAID	-	United State Agency for International Development
GB	-	Great Britain
LFP	-	Logical Framework Planning
PPM	-	Project Planning Matrix
LFA	-	Logframe Approach
ERP	-	Enterprise Resource Planning
MS	-	Micro Soft
P3	-	Primavera Project Planner
EVM	-	Earned value management
ICS	-	Information Communication System
PMIS	-	Project management information systems
IT	-	Information Technology
SPSS	-	Statistical Package for the Social Sciences
PG	-	Post Graduate



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