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**RELIABILITY OF EFFORT ESTIMATES IN
OFFSHORE SOFTWARE COMPANIES IN
SRI LANKA**

CASE STUDY IN A GLOBAL OFFSHORE ORGANIZATION

BY

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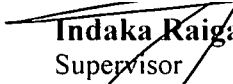
DECLARATION

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ABSTRACT

The aim of the research described in this thesis is to find out the reasons affecting the reliability of project estimates in Sri Lankan offshore software development organizations, and to propose corrective measures to mitigate those issues.

A case study was conducted to identify the issues faced during the estimation process and the case study was based on one of the leading offshore software development organizations in Sri Lanka.

The findings of this research demonstrate that there exists number of shortcomings in the current estimation process. The recommendations made as a result of this research study indicate a need for much emphasis on current estimation process for the Sri Lankan offshore software development organizations.

Keywords: Software effort estimates, Expert estimates, Offshore Software Development, Estimation process, Factors affecting reliability of estimates, Estimation accuracy.



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ABBREVIATIONS

FP	Functional Points
FPA	Functional Point Analysis
IEC	International Electrotechnical Commission
IFPUG	International Function Point Users Group
IS	Information Systems
ISBSG	International Software Benchmarking Standards Group
ISO	International Standards Organization
LOC	Lines of Code
SLOC	Source lines of code
UI	User Interface
WBS	Work Breakdown Structure



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