



**RELIABILITY OF EFFORT ESTIMATES IN
OFFSHORE SOFTWARE COMPANIES IN
SRI LANKA
CASE STUDY IN A GLOBAL OFFSHORE
ORGANIZATION**

By
U.S. JAYASEKERA

The Dissertation was submitted to the Department of Computer Science
& Engineering of the University of Moratuwa in partial fulfillment of the
Requirement for the Degree of Master of Business Administration.

Department of Computer Science & Engineering
University of Moratuwa
Sri Lanka

2008

93356



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.