

**IMPACT OF AGILE ADOPTION LEVEL AND AGILE EXPERIENCE ON
SRI LANKAN SOFTWARE INDUSTRY IN TERMS OF EMPLOYEE JOB
SATISFACTION**

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DECLARATION

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ABSTRACT

Agility for software development is bringing in accountability and possession in individuals, which will in the long run bring out adequacy and proficiency in deliverables. The Agile model is developing in the market at great pace. Organizations are floating from traditional Software Development Life Cycle models to agile software development for the end goal of maintaining quality and for saving cost and time.

During the last few years, software industry has become a major income source for Sri Lankan economy. With the global movement to agile, Sri Lankan software development companies also have initiated the movement from traditional development methods to agile based methods. Agile adoption is an incremental process that companies used to achieve by stage by stage.

This research was conducted to investigate if there is a relationship between employee job satisfaction and level of agile adoption in agile adopted software development houses. Mainly the author has identified different levels which can be used to measure the level of agile adoption and the experience of each participant of the research questionnaire.

Author has defined main constructs which are used to derive research hypothesis for each objective. Levels of agile adoption, Level of agile experience, job satisfaction are the main constructs where Workload was identified as a moderating variable which relates to relationship of agile adoption level and the employee job satisfaction.

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LIST OF ABBREVIATIONS

SLASSCOM - Sri Lanka Association of Software and Service Companies

ICT - Information and communications technology

CAGR - Compound annual growth rate

IT/BPM – Information Technology / Business process management

SME - Small and medium-sized enterprises

LTE - Long-Term Evolution

ICP – International computer programs

ASD – Agile software development

XP – Extreme Programming

SAMI - Sidky agile measurement index

SPI - Software Process Improvement

CMMI - Capability Maturity Model Integration

CMM - Capability Maturity Model

SAAP - Strategic Analysis for Agile Practices