

Thesis Report

Requirements Change Management Issues for E-Government in Pakistan



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PREFACE

This thesis was prepared as a partial fulfillment of the requirements of acquiring the degree, Master of Science in Information Technology MS (IT), in the School of Systems and Technology, SST, located at the University of Management and Technology (UMT), Lahore, Pakistan.

The thesis consists of five chapters. Chapter 1 explains the introduction of the thesis related to the Requirements Change Managements Issues for E-Government in Pakistan. Chapter 2 provides a review of the literature, raising and discussing key concepts to lay the conceptual and theoretical foundation for this study. Chapter 3 presents Research methodology in which we explain the steps by which we have done our research. Chapter 4 describes the Results and the collected data which we have gathered from different software houses and Chapter 5 explains the conclusion, and future work of the thesis.

ABSTRACT

E-Government services are very essential and effective as government works together with businesses and citizens. In this way many opportunities are available for individuals as well as organizations. Requirements are gathered for E-Government projects. During the development of these projects, usually requirements change. In such scenarios, requirements change management is a critical factor and plays a vital role in the success of E-Government projects. In this research, we have identified the issues of requirements change management from the perspective of E-Government in Pakistan. We observe that if these issues are timely identified, addressed and resolved then the rate of success of E-Government projects can be increased.

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Chapter 1

Introduction

1. Introduction

1.1 What are Requirements?

A requirement is that thing which is desired and required by customers. Also, it is the chosen set of features of any software product or a service. In the field of software engineering, a requirement is the ability of software or system that is necessary for the success and quality of software [1]. During the designing stage customer requirements is most important. Due to bad software management, 50 to 60% software failures are initiated. Following are the some properties of requirements:

Necessary: A requirement should be necessary for the project and it helps in the development process and leads the projects to the success. Necessary requirements save both time and money. If developers cannot collect the necessary requirements then there is a possibility to the implementation of unnecessary requirements and may be necessary requirements are ignored.

Clear and Concise: A requirement statement should be clear and does not have any ambiguity and mistakes. It should be understandable for all the readers. All the statements must have a purpose.

Curious: Every requirement must be curious because testing of multiple requirements is not an essay task. If any requirement consists of multiple requirements then the possibility of errors will be increased so avoid this situation.