

Thesis Report

Requirement Analysis Issues in Pakistan Software Industry



Submitted To:

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In Partial Fulfillment of the Requirements

For the Degree of

MASTER OF SCIENCE (SOFTWARE ENGINEERING)

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FINAL APPROVAL

It is certified that the research work presented in this thesis entitled “Requirement Analysis Issues in Pakistan Software Industry” was conducted by Huma Chaudhry under the supervision of Dr. Muhammad Shoaib Farooq at the University of Management and Technology, Lahore, Pakistan, and completed in December 2017 to fulfill the requirements of the degree of MS Software Engineering.

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DECLARATION

I, Huma Chaudhry ID# 15007114013 Session 2015-2017, hereby certify that this thesis is being submitted in partial fulfillment of the requirements for the MS degree in Software Engineering. This thesis is my original work and the data/material presented here has not been used for the acquisition of any other degree from any institution.

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PREFACE

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

This research document is containing six chapters. In the first chapter, the introductory information and content have been written. The second chapter describes the Literature Review of the current topic. Chapter three includes the Information Collection and Analysis. Chapter four discusses Challenges and Best Practices; Chapter five is about Conclusion and Future Work.

ABSTRACT

Software engineering is area of Technology though, scope of software engineering is extremely broad. Being one of the prominent branches of the field of Engineering, it's growing among the fastest fields in the world today.

Software plays a very important role in performing the functions of almost every organization in an effective way. Requirement Analysis is very important phase in software development. In Pakistan, software industry faced issues and challenges due to the poor requirement analysis process. This failure to meet the user and other requirements is sure due to certain reasons. Many software projects fail partially or completely because these don't meet all the constraints or requirements or software engineers don't gather all the requirements properly.

There are many issues which arise during our survey. Few of them we discussed here which are most repeated during survey. Communication gap between customer and software engineer is a big issue, customer have many ambiguities about their project they don't know what their motive is and what they actually want about their project is very major cause of many other issue like timeline issue and many more. Trust issues between customer and organization, Politics within organization and customer organization politics causes many issues in Pakistan software industry.

In this research, we are going to present a detailed and critical analysis of all those reasons behind project failure in Pakistan software industry and highlight the main requirement analysis issues in Pakistan software industry and how we can handle and overcome these challenges in our software industry.

Table of contents

DECLARATION	iv
ACKNOWLEDGEMENT	v
PREFACE	vi
ABSTRACT.....	vii
Chapter 1 : Introduction	1
1.1. Scope of Study	Error! Bookmark not defined.
1.2. Problem statement.....	Error! Bookmark not defined.
1.3. What is a Requirement?	Error! Bookmark not defined.
1.4. Why are Requirements Important?	Error! Bookmark not defined.
1.5. What are user’s requirements in the software industry?	Error! Bookmark not defined.
1.6. Research Questions	Error! Bookmark not defined.
1.7. Research Methodology	Error! Bookmark not defined.
1.8. Research Outcomes.....	Error! Bookmark not defined.
1.9. Thesis Outline	Error! Bookmark not defined.
Chapter 2 : Literature Review	Error! Bookmark not defined.
2.1 Requirement Analysis Troubles.....	Error! Bookmark not defined.
2.2 Requirement Engineering	Error! Bookmark not defined.
2.3 Failure of Product	Error! Bookmark not defined.
2.4 Main Attributes of Programming.....	Error! Bookmark not defined.
2.5 Stakeholder’s Role	Error! Bookmark not defined.
2.6 A Study of Experienced Software Companies.....	Error! Bookmark not defined.
2.7 Requirement Traceability.....	Error! Bookmark not defined.
2.8 Requirements Elicitation.....	Error! Bookmark not defined.
2.9 Customer Mandate	Error! Bookmark not defined.
2.10 Ease of Programming Use.....	Error! Bookmark not defined.
2.11 Requirement Designing.....	Error! Bookmark not defined.
2.12 Total Budget in IT Industry	Error! Bookmark not defined.
2.13 Used Techniques.....	Error! Bookmark not defined.
2.13.1 Context diagram.....	Error! Bookmark not defined.
2.13.2 Functional decomposition	Error! Bookmark not defined.
2.13.3 Use case diagram	Error! Bookmark not defined.
2.13.4 Sequence Diagram	Error! Bookmark not defined.
2.13.5 AS-IS and TO-BE process model	Error! Bookmark not defined.

2.13.6	Mind maps	Error! Bookmark not defined.
Chapter 3 :	Information Collection and Analysis	Error! Bookmark not defined.
3.1	Questionnaire	Error! Bookmark not defined.
Chapter 4 :	Challenges and Best Practices	Error! Bookmark not defined.
4.1.	Requirements Analysis Problems	Error! Bookmark not defined.
4.1.1.	Customers Don't Know What They Want (Ambiguous requirement)..	Error! Bookmark not defined.
	Solution	Error! Bookmark not defined.
4.1.2.	Requirements Change during the Project.....	Error! Bookmark not defined.
	Solution	Error! Bookmark not defined.
4.1.3.	Communication Gaps.....	Error! Bookmark not defined.
	Solution	Error! Bookmark not defined.
4.1.4.	Customer - Organization Politics	Error! Bookmark not defined.
	Solution	Error! Bookmark not defined.
4.1.5.	Timeline issues.....	Error! Bookmark not defined.
	Solution	Error! Bookmark not defined.
Chapter 5 :	Conclusion and Future Work	Error! Bookmark not defined.
5.1.	Conclusion	Error! Bookmark not defined.
5.2.	Future Work	Error! Bookmark not defined.
References	Error! Bookmark not defined.
Appendix	Error! Bookmark not defined.
Questionnaire	Error! Bookmark not defined.

Table of Figures

Figure 1.1 Importance of Requirement	Error! Bookmark not defined.
Figure 1.2 Flow Chart of Research Methodology	Error! Bookmark not defined.
Figure 2.1 Relation of Organization’s end users to vendors.....	Error! Bookmark not defined.
Figure 2.2 Functional decomposition diagram for a banking software ...	Error! Bookmark not defined.
Figure 2.3 Use case diagram for banking software.....	Error! Bookmark not defined.
Figure 2.4 Sequence diagram for software.....	Error! Bookmark not defined.
Figure 2.5 Mind Map software technique for software	Error! Bookmark not defined.
Figure 3.1 Graphical representation of the response of question “Gather &analyze requirements properly is the most important phase which helped in project success .	Error! Bookmark not defined.
Figure 3.2 Are there any issues and challenges in the requirement analysis process in Pakistani software houses?	Error! Bookmark not defined.
Figure 3.3 The major problems are going on in requirement analysis phase	Error! Bookmark not defined.
Figure 3.4 Problems associated with Requirements engineering affect Quality of software	Error! Bookmark not defined.
Figure 3.5 Most of the organizations have not proper tools and techniques to analyze requirements	Error! Bookmark not defined.
Figure 3.6 Customers ambiguity is the most repeated issue during software development.....	Error! Bookmark not defined.
Figure 3.7 Requirements Changes during Project is very major issue during software development	Error! Bookmark not defined.
Figure 3.8 Timeline Trouble is an issue faced by organization during software development	Error! Bookmark not defined.
Figure 3.9 Communication Gap is very major issue which customer & software developer both are faced with software development.....	Error! Bookmark not defined.
Figure 3.10 Customer Organization Politics are one of the reasons behind software failure.....	Error! Bookmark not defined.
Figure 3.11 Questionnaire is very effective technique used for software requirements elicitation process.....	Error! Bookmark not defined.

List of Tables

Table 3.1 Gather & analyze requirements properly is the most important phase which helped in project success.....	Error! Bookmark not defined.
Table 3.2 Are there any issues and challenges in the requirement analysis process in Pakistani software houses.....	Error! Bookmark not defined.
Table 3.3 The major problems are going on in requirement analysis phase.....	Error! Bookmark not defined.
Table 3.4 Problems associated with Requirements Engineering affect Quality of software	Error! Bookmark not defined.
Table 3.5 Most of the organizations have not proper tools and techniques to analyze requirements	Error! Bookmark not defined.
Table 3.6 Customers ambiguity is the most repeated issue during software development.....	Error! Bookmark not defined.
Table 3.7 Requirements Changes during Project is very major issue during software development	Error! Bookmark not defined.
Table 3.8 Timeline Trouble is an issue faced by organization during software development	Error! Bookmark not defined.
Table 3.9 Communication Gap is very major issue which customer & software developer both are faced with software development.....	Error! Bookmark not defined.
Table 3.10 Customer Organization Politics are one of the reasons behind software failure	Error! Bookmark not defined.
Table 3.11 Questionnaire is very effective technique used for software requirements elicitation process.....	Error! Bookmark not defined.

Chapter 1 : Introduction

Chapter 1: Introduction

Now a day's its era of technology. Technology is an advantage of the modern era. It encompasses anything and everything. It has helped people in making things more convenient, achievable and effective. Technology touched each part of the lives of the general population. Every one starts depending more on it, and the requirement for physical work began diminishing. Requirement engineering is very important branch of technology.

The essential meaning of requirement engineering is:

"The utilization of an effective, prepared, measurable process to manage the development, process, and upkeep of programming."