

Abstract

Requirements have a proven role in designing and producing good quality software(s). Further available literature depicts precisely that poorly defined, organized requirements increase the cost of development, time for the development and more importantly lead to software product failure. It is of highest priority and important for the developers, retailers as well as for the clients to verify that the designed system satisfy their needs or not. In today's world while designing, developing system the knowledge extraction becomes an important area for research and focus in order to compile and share knowledge. In knowledge extraction explicit and tacit knowledge are the two categories of knowledge. Explicit knowledge is simple to perceive and understand due to its simplicity and clarity. Tacit knowledge is not that easily understandable due to its complex nature and as it resides under the experts' mind. Different technique are used for tacit knowledge extraction .In following work we have given enumerated illustrations and account of nature of tacit knowledge and extraction techniques in this. Our main objective is to find best suitable techniques for tacit knowledge extraction. For the research, we conducted survey from different organizations located in Islamabad then we use SPSS analysis tools for analysis of our survey. Another vital contribution in this work is it establishes rules and a propose framework and algorithm for tacit knowledge derivations. Further implementing these proposed rules will help eliciting tacit knowledge without consuming more cost and effort. We also evaluate case studies through different visualization techniques i.e UML, animations, simulations.

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Dedication

I would like to dedicate this thesis to all people who have been involved in this thesis either directly or indirectly for their support and benevolence in making this thesis successful especially to my supervisor and to my beloved parents.

Table of Contents

Table of Contents.....	1
List of Figures.....	3
List of Tables.....	4
Chapter 1 <i>Introduction</i>	5
1.1 <i>Problem statement and solution</i>	6
1.1.1 <i>Knowledge Transfer</i>	7
1.1.2 <i>Inter functional exchanging of information</i>	7
1.1.3 <i>Information Overwhelm</i>	8
1.2 <i>Research Objective</i>	8
1.4 <i>Contributions</i>	8
1.5 <i>Research Methodology</i>	9
Chapter 2 <i>Literature review</i>	10
2.1 <i>Tacit knowledge extraction review papers</i>	10
2.2 <i>Requirement Elicitation Techniques review papers</i>	11
Chapter 3 <i>Requirement Elicitation Techniques</i>	17
3.2 <i>Observation</i>	21
3.3 <i>Card Sorting</i>	22
3.4 <i>Brainstorming</i>	22
3.5 <i>Prototyping</i>	23
3.6 <i>JAD (Joint Application Development)</i>	24
3.7 <i>Mind Maps</i>	25
3.8 <i>Questionnaires</i>	25
3.9 <i>Ethnography</i>	26
Chapter 4 <i>Knowledge Management</i>	31
4.1 <i>What is Knowledge?</i>	31
4.2 <i>Types of Knowledge</i>	31
4.3 <i>Why Tacit Knowledge?</i>	32

4.4 Knowledge Transfer	33
4.5 Tacit Knowledge Extraction Issues	33
4.5.1 . User/Expert Based Problems	33
4.5.2 Expert Based Problems	34
4.6 Nature of Tacit Knowledge	34
4.7 SECI Model of Knowledge Extraction	35
4.8 Requirements Extraction methods applicable to Tacit Knowledge SECI Model	37
4.9 Examples of Knowledge types in SRE domain	40
Chapter 5 RESEARCH METHODOLOGY	41
5.1 Proposed rules for tacit knowledge extraction	41
5.2 METHODOLOGY FOR TACIT KNOWLEGDE EXTRACTION	42
5.3 Proposed Algorithm	43
5.4 Collection of data	45
5.4.1 Data Analysis	45
5.4.2 Frequency tables.....	46
5.4.3 Chart analysis	50
5.4.4 Cross tabulation.....	55
5.4.5 Reporting.....	56
Chapter 6	58
Evaluation and Assessments	58
6.1 Experiment and Analysis	58
6.2 Factors Taken for Proposed Approach	58
6.3 CASE STUDIES EVALUATION	61
6.3.1 CASE STUDY 1.....	61
6.3.2 Case study 2	64
6.3.3 Case study 3.....	65
Conclusion	68
Bibliography	69

List of Figures

Figure 1.1: Research Methodology	9
Figure 2.1: Comparison of requirement elicitation tools in [11]	12
Figure 2.2: Graph showing requirement elicitation method effectiveness	14
Figure 3.1: Requirement Elicitation Process importance [25]	17
Figure 3.2: Requirement Engineering Process [3]	17
Figure 3.3: UML diagram for Requirement Engineering Process [15]	18
Figure 3.4: Requirement Engineering Phases [12]	18
Figure 3.5: Observation Technique [3]	21
Figure 3.6: A simple Card Sorting Practice [3]	22
Figure 3.7: Brainstorming Map [47]	23
Figure 3.8: Prototyping [3]	24
Figure 3.9: Mind Mapping [3]	25
Figure 3.10: Ethnographic Research methodology [35]	26
Figure 4.1: Iceberg Metaphor [29]	32
Figure 4.2: Nature of Tacit Knowledge [27]	35
Figure 4.3: Nonaka's SECI model for Knowledge Creation [29]	36
Figure 4.4: Detailed Form of SECI model [33]	37
Figure 4.5: SECI model adopted from Naeve et al. [33]	38
Figure 4.6: Requirement elicitation techniques applicable to Knowledge creation framework	39
Figure 5.1: Proposed methodology for tacit knowledge Extraction [31]	43
Figure 5.2: SPSS Survey Statistics	45
Figure 5.3: Set of pie charts	55
Figure 6.1: Figure Showing Results of experiment	60
Figure 6.2: Use case of Online Traffic Optimization System	62
Figure 6.3: Use cases of traffic optimization system (i) Manage traffic system (ii) Manage user	63
Figure 6.4: Animation showing network department process	65
Figure 6.5: Simulation result (a)	66
Figure 6.6: Simulation result (b)	66
Figure 6.7 : Figure showing demand cycle	67

List of Tables

Table 2.1: Comparison of techniques in [11]..... 12

Table 3.1: *COMPARISON TABLE OF DIFFERENT TECHNIQUES* [27] [26] 27

Table 4.1: Example of Tacit knowledge and explicit knowledge in SRE [46] 40

Table 5.1: Set of Frequency tables..... 46

Table 5.2: Set of cross tabulation..... 56

Table 5.3 : Descriptive Summary 57

Table 6.1: Priority Level metrics indicators 58

Table 6.2: *Severity Level metrics indicator* 59

Table 6.3: Stakeholder metrics indicator 59

Table 6.4: Expert’s Skill metrics indicator 60

Table 6.5: Metrics showing knowledge complexity 60

Table 6.6. Shows results of research process (conclusion)..... 61