

SOFTWARE INDUSTRY DEVELOPMENTAL TRENDS IN SRI LANKA

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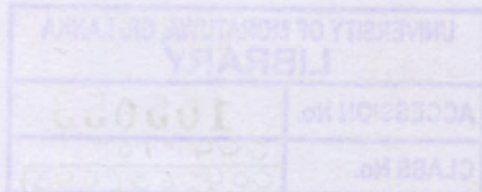


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This thesis submitted in partial fulfillment of the requirements for the degree of Master of Business Administration in Information Technology



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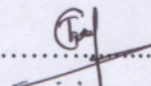


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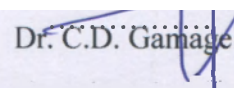

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ABSTRACT

Software industry is a growing industry in Sri Lanka in the recent decades. It brings more foreign currency to Sri Lanka and provides more employment opportunities to the graduates who pass out from universities. As Sri Lanka has a highly skilled and talented workforce, Sri Lankan software companies would be able to compete with the global software companies to provide sophisticated software products necessary for the global market. That is, the development of the software industry would be able to bring more benefits to the Sri Lankan economy.

This research investigates the software industry developmental trends in Sri Lanka. There are five independent variables, three intervening variables and one dependent variable identified in the context. They are namely: software industry related investments, software industry related recruitments, the number of students passed out from universities, software policy, domestic software industry development, revenue earned from software exports, economic conditions of the country, global software industry constraints and software industry development. Considering some of the relationships between these variables three hypothesis were developed to predict the future of the software industry in Sri Lanka. Also, statistical data analysis using SPSS and Minitab software packages was used to forecast the development of software industry related investments, software industry related recruitments and the number of ICT graduates passed out from universities. This was useful in determining the development of the factors that affected in developing the software industry in Sri Lanka.

According to the research, there would be a higher development in software industry in Sri Lanka in the future. Therefore, the government of Sri Lanka should plan for the future of the software industry focusing the factors that have mainly affected in developing the software industry.

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TABLE OF CONTENTS

CHAPTER 1: INTRODUCTION.....	1
1.1 Background	2
1.2 Previous Studies.....	4
1.3 Scope of the Study	7
1.4 The Research Objectives.....	7
1.5 Thesis Outline	8
CHAPTER 2: LITERATURE REVIEW.....	10
2.1 Introduction.....	10
2.2 Software Industry Investments.....	10
2.3 Highly Skilled Labor Force.....	12
2.4 Software Exports.....	15
2.5 Government Policies	18
2.6 Domestic Software Industry Development.....	22
2.7 Telecommunication Development.....	24
2.8 Development of the Internet	25
2.9 Software Piracy	27
CHAPTER 3: CONCEPTUAL FRAMEWORK AND RESEARCH DESIGN.....	30
3.1 Introduction.....	30
3.2 Factors Affecting the Software Industry Development	32
3.2.1 Software industry related investments	32
3.2.2 Software industry related recruitments	32
3.2.3 Number ICT graduates produced by universities	32
3.2.4 Software exports	33
3.2.5 Government policies	33
3.2.6 Domestic software industry development.....	33
3.2.7 Economic conditions of the country	33
3.2.8 Global software industry constraints.....	34
3.3 Hypothesis Development	35
3.4 Research Design.....	37
3.4.1 Purpose of the study	37
3.4.2 Types of investigation.....	38
3.4.3 Extent of researcher interference	38
3.4.4 Study setting.....	38
3.4.5 Measurements and measures.....	38
3.4.6 Unit of analysis	39
3.4.7 Sampling design.....	39
3.4.8 Time horizon	39
3.4.9 Data collection method	39

3.5 Sample Design	39
3.6 Data Collection	40
3.6.1 Questionnaire design.....	40
3.6.2 Parameter identifications.....	41
CHAPTER 4: DATA ANALYSIS	44
4.1 Introduction.....	44
4.2 Reliability Testing.....	45
4.2.1 Cronbach’s alpha value for the independent variable, software industry investments.....	45
4.2.2 Cronbach’s alpha value for the independent variable, government policies ...	46
4.2.3 Cronbach’s alpha value for the independent variable, software industry recruitments.....	46
4.2.4 Cronbach’s alpha value for the independent variable, global software industry constraints	47
4.2.5 Cronbach’s alpha value for dependent variable, software industry development	47
4.3 Descriptive Analysis	48
4.3.1 Frequency analysis.....	48
4.4 Measure of Central Tendencies and Dispersions.....	64
4.5 Correlational Analysis.....	64
4.5.1 Pearson correlation.....	64
4.6 Regression Analysis.....	67
4.7 Statistical Analysis.....	69
4.7.1 Forecast on the development of the software industry related investments	69
4.7.2 Forecast on the development of the software industry related recruitments....	71
4.7.3 Forecast on the development of the number of ICT graduates passed out from universities	73
CHAPTER 5: CONCLUSION AND RECOMMENDATIONS	77
5.1 Introduction.....	77
5.2 Data Interpretation	77
5.2.1 Reliability of data.....	77
5.2.2 Correlation between independent and dependent variables.....	78
5.3 Limitations of the Study.....	79
5.4 Constraints affected on the study.....	80
5.5 Future Development of the Software Industry in Sri Lanka.....	80

LIST OF TABLES

Table 3.1: Scales given for responses	41
Table 3.2: Parameter identification.....	41
Table 4.1: Reliability statistics for the independent variable software industry investments	45
Table 4.2: Reliability statistics for the independent variable government policies	46
Table 4.3: Reliability statistics for the independent variable software industry recruitments.....	46
Table 4.4: Reliability statistics for the independent variable, global software industry constraints	47
Table 4.5: Reliability statistics for the dependent variable software industry development	47
Table 4.6: Measure of central tendencies and dispersion of variables.....	64
Table 4.7: Pearson correlation between software industry related investments and software industry development.....	65
Table 4.8: Pearson correlation between software industry related recruitments and software industry development.....	66
Table 4.9: Pearson correlation between software policy and software industry development	67
Table 4.10: Regression analysis statistics for the dependent variable and independent variables	68
Table 4.11: Software industry related investments from 1991 to 2009	69
Table 4.12: Software industry related recruitments from 1991 to 2009	71

LIST OF FIGURES

Figure 1.1: Overall ICT workforce growth trend 2003 to 2008.....	5
Figure 1.2: Demand for IT professionals by job category	6
Figure 3.1: Conceptual Framework	30
Figure 3.2: Abridged Conceptual Framework	35
Figure 3.3: Research Design	37
Figure 4.1: Number of software professionals in companies where respondents to the questionnaire are working.....	48
Figure 4.2: Work experience of the software professionals who responded to the questionnaire	49
Figure 4.3: Software company spending on hardware products.....	50
Figure 4.4: Software company spending on software products.....	51
Figure 4.5: Software company spending on equipment.....	51
Figure 4.6: Software company spending on buildings.....	52
Figure 4.7: Software company spending on local training	53
Figure 4.8: Software company spending on overseas training	54
Figure 4.9: Software company spending on hiring employees.....	54
Figure 4.10: Encouraging Foreign Direct Investments (FDI) through tax incentives	55
Figure 4.11: Encouraging higher educational institutes to offer ICT degree courses.....	56
Figure 4.12: Increasing ICT usage in the public sector through ICTA e-Government initiatives.....	57
Figure 4.13: Enforcing the laws on intellectual property rights	58
Figure 4.14: Enforcing laws on software piracy prevention.....	59
Figure 4.15: The change in the number of employees in the company last financial year.....	60
Figure 4.16: The financial stability of the software company last financial year	61

Figure 4.17: The level of impact the global economic crisis have on software companies 62

Figure 4.18: The difficulty in recruiting employees to the software companies during the last financial year 63

Figure 4.19: Forecast on the development of the software industry related investments in Sri Lanka for the next 5 years 70

Figure 4.20: Forecast on the development of the number of people recruited to the software industry in Sri Lanka for the next 5 years 72

Figure 4.21: Forecast on the development of the number of ICT graduates passed out from universities in Sri Lanka for the next 5 years..... 74



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ICT	Information and Communication Technology
ICTA	Information and Communication Technology Agency
US	United States
FOSS	Free Open Source Software
R & D	Research and Development
FDI	Foreign Direct Investment
MAD	Mean Absolute Deviation
MAPE	Mean Absolute Percentage Error



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