# DETERMINANTS OF USAGE OF ATM OF PRIVATE BANKS IN PUTTALAM DISTRICT



By

## SENANAYAKE ARACHCHIGE KUMESHA MADUWANTHI EU/IS/2012/COM/08

COM1508



#### **A Project Report**

Submitted to the Faculty of Commerce and Management, Eastern University, Sri Lanka as a partial fulfilment of the requirement of the degree of Bachelor of Commerce Honours (BCOMHons)

> Department of Commerce Faculty of Commerce and Management Eastern University Sri Lanka

> > 2018

#### ABSTRACT

The purpose of this research is to investigate factors determining the ATM usage of Private Banks in Puttalam District. The conceptual model investigates factors that affect ATM usage and it was developed based on reviewing of existing literature. The model was employed by ease of use, usefulness, behavioral control, risk, social influence and ATM usage. Data collected from two hundred (200) ATM users and they were used to test this model. The data were analyzed using SPSS 22.0. The researcher has used descriptive and regression analyses for her research conducts. The mean and standard deviation result reveals that ease of use, usefulness, behavioral control, social influence and ATM usage having high level while risk is in low level. Also, the simple regression analyses results show that all independent variables have significant impact on ATM usage while multiple regression results show that ease of use is the most influencing factor towards the ATM usage. Finally, the researcher has revealed that there is no any variation of variables with personal factors according to ANOVA and independent sample t-test results. The results of this study provide a good evidence for banks to further enhancements of their work practices in the area of ATM to enhance the overall penetration of ATM in Puttalam District.

#### Keywords:

Ease of use, usefulness, Behavioral Control, Risk, Social Influence, ATM usage, Banks.

## LIST OF CONTENTS

#### **CHAPTER ONE**

#### INTRODUCTION

1.1 Chapter Introduction	1
1.2 Background of Study	1
1.3 Problem Statement	4
1.4 Research Questions	6
1.5 Research Objectives	6
1.6 Significance of Study	7
1.7 Scope of Study	7
1.8 Assumptions	7
1.9 Limitations	8
1.10 Chapter Summary	8

a 58. . .

#### **CHAPTER TWO**

#### LITERATURE REVIEW

2.1 Chapter Introduction	l
2.2 Automation of Banking Sector9	l,
2.3 Evolution of ATM1	0
2.4 Defining Automated Teller Machines (ATM)1	1
2.5 ATM Product Functioning1	2
2.6 ATM Service Delivery1	4
2.7 Advantages of ATM1	5
2.8 Disadvantages of ATM1	.6
2.9 Review of Literature on ATM1	.7
2.10 ATM Usage	20
2.11 Factors Determining the ATM Usage2	20
2.11.1 Ease of Use	22
2.11.2 Usefulness	22
2.11.3 Behavioral Control2	23
2.11.4 Risk2	23
2.11.5 Social Influence	24

2.12 Theories and Models25
2.12.1 Technology Acceptance Model (TAM)25
2.12.2 Theory of Planned Behavior (Decomposed) (DTPB)
2.12.3 Unified Theory of Acceptance and Use of Technology (UTAUT)26
2.13 Chapter Summary27

### **CHAPTER THREE**

### CONCETUALIZATION AND OPERATIONALIZATION

3.1 Chapter Introduction	••••••	
3.2 Conceptual Framework		
3.2.1 Ease of Use		29
3.2.2 Usefulness		30
3.2.3 Behavioral Control		31
3.2.4 Risk	). 	32
3.2.5 Social Influence	, 	33
3.2.6 ATM Usage		
3.3 Hypotheses Development		
3.3.1 Ease of Use		34
3.3.2 Usefulness		34
3.3.3 Behavioral Control		35
3.3.4 Risk		35
3.3.5 Social Influence		35
3.3.6 Personal Factors		35
3.4 Operationalization of Variables		36
3.4.1 Operationalization of ATM Usage		
3.4.2 Operationalization of Factors Determining ATM	M Usage	
3.4 Chapter Summary		

### **CHAPTER FOUR**

#### METHODOLOGY

4.1 Chapter Introduction	.39
4.2 Study Setting, Study Design and Method of Survey	.39
4.3 Sampling	.39
4.3.1 Population	.40
4.3.2 Sampling Technique	.40
4.3.3 Sample Size	.40
4.4 Data Collection	.40
4.4.1 Primary Data	.41
4.4.2 Secondary Data	.41
4.5 Methods of Measurements	.41
4.5.1 Personal Information	.41
4.5.2 Research Information	
4.5.2.1 Positive Statements	.44
4.5.2.2 Negative Statements	.44
4.6 Data Presentation	45
4.7 Method of Data Analysis	45
4.7.1 Univariate Analysis	45
4.7.2 Bivariate Analysis	46
4.7.2.1 Simple Regression Analysis	46
4.7.3 Multivariate Analysis	46
4.7.3.1 Multiple Regression Analysis	47
4.7.4 ANOVA and Independent Sample t-test	47
4.8 Methods of Data Evaluation	48
4.9 Chapter Summary	48

#### **CHAPTER FIVE**

### DATA PRESENTATION AND ANALYSIS

5.1 Chapter Introduction	49
5.2 Analysis of Reliability of the Instruments	49
5.3 Data presentation	50
5.3.1 Personal Information Presentation	50
5.3.1.1 Account Holders Bank	50

5.3.1.2 Gender	
	2
5 3 1 4 Age Distribution 5	
5.5.1. TIGO DISUTOUIOI	3
5.3.1.5 Monthly Income Level	;4
5.3.1.6 Educational Qualification Level	6
5.3.2 Research Data Presentation	;7
5.3.2.1 Ease of Use5	57
5.3.2.2 Usefulness	58
5.3.2.3 Behavioral Control	59
5.3.2.4 Risk	50
5.3.2.5 Social Influence	51
5.3.2.6 ATM Usage	52
5.4 Univariate Analysis	52
5.4.1 Level of ATM Usage6	53
5.4.2 Level of ATM Determinants	53
5.4.2.1 Ease of Use	
5.4.2.2 Usefulness	54
5.4.3.3 Behavioral Control	55
5.4.3.4 Risk	
5.3.3.5 Social Influence6	56
5.4.3.6 Overall on Level6	67
5.5 Bivariate Analysis	67
5.5.1 Impact of Variables on ATM Usage	67
5.5.1.1 Ease of Use	68
5.5.1.2 Usefulness	68
5.5.1.3 Behavioral Control	68
5.5.1.4 Risk6	69
5.5.1.5 Social Influence	69
5.6 Multivariate Analysis	69
5.6.1 Most Influencing Factor	70
5.0.1 Wost influencing I actor	
5.7 ANOVA Testing and Independent Sample t - testing	72

### CHAPTER SIX

3

#### DISCUSSION

5.1 Chapter Introduction7	4
5.2 Discussion of Research Data7	4
6.2.1 Level of ATM Usage7	4
6.2.1.1 ATM Usage	4
6.2.2 Levels of ATM Determinants	5
6.2.2.1 Ease of Use7	5
6.2.2.2 Usefulness7	'5
6.2.2.3 Behavioral Control7	6
6.2.2.4 Risk	6
6.2.2.5 Social Influence7	7
6.2.3 Impact of Variables7	7
6.2.3.1 Ease of Use7	7
6.2.3.2 Usefulness7	8'8
6.2.3.3 Behavioral Control7	
6.2.3.4 Risk	79
6.2.3.5 Social Influence7	79
6.2.4 Most Influencing Factor7	79
6.2.5 Variation of Variables with Demographic Factors	30
6.3 Chapter Summary	30

#### **CHAPTER SEVEN**

### CONCLUSION AND RECOMMENDATIONS

7.1 Chapter Introduction	.81
7.2 Conclusions	.81
7.3 Recommendations	.83
7.3.1 Ease of Use	.84
7.3.2 Usefulness	.84
7.3.3 Behavioral Control	.84
7.3.4 Risk	.85
7.3.5 Social Influence	85
7.4 Limitations of Study and Suggestions for Future Studies	86
7.5 Implication of Study	87