

**IMPACT OF MOBILE MARKETING ON BRAND  
EQUITY IN THE FAST FOOD INDUSTRY IN  
TRINCOMALEE WITH SPECIAL REFERENCE  
TO PIZZAHUT.**



Thesis  
Library - EUSL



By:

**KEERTHINI SIVANESAN**

**REG NO: EU/PGS/MBA/2020/01**

**INDEX NO: MBA 165**

A project report submitted to the Faculty of Commerce and Management, Eastern University, Sri Lanka, as a partial fulfilment of the requirement for the Degree of Masters of Business Administration (MBA).

**POSTGRADUATE UNIT  
FACULTY OF COMMERCE AND MANAGEMENT  
EASTERN UNIVERSITY, SRI LANKA**

2022

## ABSTRACT

This study aims to assess the impact of mobile marketing on brand equity in the fast food industry with special reference to PizzaHut in Trincomalee. The mobile marketing dimensions are SMS marketing, Location based marketing and mobile apps adopted from Mobile Marketing Association (MMA) (2016) cited by Alevtina Gribanova (2016). Brand equity is value may be reflected in how consumers think, feel, and act concerning the brand that consumers had to perceive from marketing programs. Brand equity is an important intangible asset that has psychological and financial value to the firm. Accordingly, this study developed three research objectives and three hypotheses to achieve its aim. The positivist perspective was used to examine the hypotheses. Since the study was aimed at exploring relationships between known variables, a questionnaire was designed using key items form relevant studies. A self-administrated questionnaire was used to collect the required data.

This study has used a quantitative research approach and data were collected among the 200 customers of Pizza Hut Trincomalee Region of Sri Lanka. The study found that there are significant positive relationships and impact of *Mobile Marketing on Brand Equity with special reference to Pizza Hut Trincomalee District*. Determining factors such as SMS marketing, Location Based advertisement , Mobile App and Brand Equity knowledge about the were all taken into consideration on the questionnaire. Data were processed via SPSS and analyzed through descriptive and informant statistics.

The results suggest that there is a strong positive relationship between mobile marketing and brand equity in the fast food industry in Trincomalee. On other hand this study empirically contributes to marketing managers regarding mobile marketing and brand equity.

**Keywords:** Mobile Marketing, Brand Equity, SMS Marketing, Location Based Advertisement, Mobile Apps.

## TABLE OF CONTENTS

Acknowledgement.....	I
Abstract.....	II
Table of Content.....	III
List of Tables.....	VI
List of Figures.....	IX
List of Abbreviations.....	X
Chapter – 1	
INTRODUCTION.....	01
1.1 Background of the study.....	01
1.2 Identification of the Research Problem.....	03
1.2.1 Problem Justification.....	03
1.2.2 Statement of the Problem.....	06
1.3 Research Questions.....	06
1.4 Objectives of Study.....	06
1.5 Significance of the Study.....	07
1.6 Scope of the Study.....	07
1.7 Outline of the Study.....	08
1.8 Chapter Summary.....	08
Chapter – 02	
LITURATURE REVIEW.....	09
2.1 Introduction.....	09
2.2 Fast food industry in Sri Lanka.....	09
2.3 Important of Mobile Marketing.....	09
2.4 Mobile Marketing.....	10
2.5 Dimension Associated with Mobile Marketing.....	18
2.5.1 SMS Marketing.....	18
2.5.2 Location Based Service.....	22
2.5.3 Mobile Application.....	25
2.6 Brand Equity.....	28
2.7 Model of Customer based Brand Equity.....	30

2.8 Dimensions Associated With Brand Equity.....	31
2.8.1 Brand Awareness.....	32
2.8.2 Brand association.....	32
2.8.3 Brand Loyalty.....	33
2.9 Relationship between Mobile Marketing and Brand Equity.....	34
2.10 Chapter Summary.....	35
Chapter - 3	
CONCEPTUALIZATION AND OPERATIONALIZATION.....	37
3.1 Introduction.....	37
3.2 Conceptualization.....	37
3.2.1 Conceptual Frame Work.....	37
3.2.1.1 MobileMarketing.....	38
3.2.1.2 Brand Equity.....	38
3.2.1.3 Hypothesis of the Study.....	38
3.3 Operationalization.....	39
3.3.1 SMS Marketing.....	39
3.3.2 Location Based Marketing.....	41
3.3.3 Mobile Apps.....	42
3.3.4 Summary of Operationalization.....	42
3.4 Chapter Summary.....	44
Chapter - 04	
RESEARCH METHODOLOGY .....	46
4.1 Introduction.....	46
4.2 Research Philosophy .....	46
4.3 Research Approach .....	47
4.4 Research Strategy.....	47
4.5 Time Horizons .....	47
4.6 Study Settings .....	48
4.7 Research Design .....	48
4.8 Sampling .....	48

4.8.1 Population of the Study .....	48
4.8.2 Sample Size .....	48
4.8.3 Sampling Design .....	48
4.9 Method of Data Collection .....	49
4.9.1 Personal Information of Respondents .....	49
4.9.2 General Research Information.....	49
4.10 Questionnaire Formation .....	50
4.11 Data Presentation, Analysis and Evaluation.....	50
4.11.1 Data Presentation .....	50
4.11.2 Data Analysis and Evaluation .....	51
4.11.2.1 Method of Data Analysis.....	51
4.11.2.2 Reliability Test.....	52
4.11.2.3 Univariate Analysis .....	52
4.12 Bivariate Analysis.....	53
4.12.1 Correlation Analysis .....	53
4.12.2 Regression Analysis .....	54
4.13 Chapter Summary.....	55
Chapter - 05	
DATA PRESENTATION AND ANALYSIS.....	56
5.1 Introduction.....	56
5.2 Analysis of Reliability .....	56
5.3 Personal Information of Respondents .....	56
5.3.1 Distribution of Gender .....	57
5.3.2 Distribution of Age .....	57
5.3.3 Distribution of Educational.....	57
5.3.4 Distribution of Occupations .....	58
5.4 Research Information .....	58
5.4.1 Mean and Standard Deviation of MM and BE of Pizza Hut Trincomalee .....	59
5.4.1.1 SMS marketing .....	59
5.4.1.2 Location Based Advertisement.....	59
5.4.1.3 Mobile Apps .....	60
5.4.1.4 Brand Equity .....	61
5.4.2 Correlation between Mobile marketing and BE of Pizza hut Trincomalee.....	62
5.4.2.1 Correlation between Mobile marketing and Brand Equity.....	62
5.4.2.2 Correlation between SMS marketing and Brand Equity .....	62

5.4.2.3 Correlation between LBA and Brand Equity .....	63
5.4.2.4 Correlation between Mobile Apps and Brand Equity .....	63
5.4.3 Regression Analysis .....	63
5.5 Testing Hypotheses.....	69
5.5.1 Testing Hypotheses 1 .....	69
5.6 Chapter Summary.....	71
<b>Chapter-6</b>	
<b>FINDINGS AND DISCUSSION.....</b>	<b>72</b>
6.1 Introduction.....	72
6.2 Respondents Profile.....	72
6.2.1 Gender of the Respondents.....	72
6.2.2 Age of the of the Respondents .....	72
6.2.3 Education .....	73
6.2.4 Professional Level of the Respondents .....	73
6.3 Discussion of Research Information .....	73
6.3.1 Discussion -Objective 1.....	73
6.3.2 Discussion -Objective 2.....	73
6.3.3 Discussion -Objective 3.....	73
Simple Regression between Mobile Apps and Brand Equity.....	73
6.4 Testing Hypotheses.....	75
6.5 Chapter Summary.....	77
<b>Chapter-7</b>	
<b>CONCLUSION AND RECOMMENDATIONS.....</b>	<b>78</b>
7.1 Introduction.....	78
7.2 Conclusion .....	78
7.3 Recommendations .....	79
7.4 Limitations of the Study .....	80
7.5 Direction for Future Studies .....	80
List of Refernce.....	82
Questionare.....	92

## LIST OF TABLE

Table 2.1: The summary of the theoretical framework.....	15
Table 2.2: Possible gains from Mobile Marketing .....	16
Table 3.1: Summary of operationalization.....	43
Table 4.1: Scale of Measurement.....	49
Table 4.2: Questionnaire Formation.....	50
Table 4.3: Presentation of Personal Information about Customers.....	51
Table 4.4 Presentation of General Research Information.....	51
Table 4.5: Decision Rule (Reliability analysis).....	52
Table 4.6: Decision Criteria for Univariate Analysis.....	53
Table 4.7: Decision Criteria for Bivariate Analysis.....	54
Table 5.1 Reliability Analysis for Overall Variables and dimensions.....	56
Table 5.2 Gender distribution of Respondents.....	57
Table 5.3 Age Distribution of Respondents.....	57
Table 5.4 Educational Distribution of Respondents.....	58
Table 5.5 Occupation Distribution of Respondents.....	58
Table 5.6 Overall Values Mobile Marketing and Brand Equity.....	59
Table 5.7 Mean and Standard Deviation of SMS Marketing.....	59
Table 5.8 Mean and Standard Deviation of Location Based Advertisement.....	60
Table 5.9 Mean and Standard Deviation of Mobile Apps.....	60
Table 5.10 Mean and Standard Deviation of Brand Equity.....	62
Table 5.11 Correlation between Mobile marketing and Brand Equity.....	62
Table 5.12 Correlation between SMS marketing and Brand Equity.....	62
Table 5.13 Correlation between LBA and Brand Equity.....	63
Table 5.14 Correlation between Mobile Apps and Brand Equity.....	63
Table 5.15 Model Summary for Mobile marketing and Brand Equity.....	63
Table 5.16 ANOVA for Mobile marketing and Brand Equity.....	64
Table 5.17 Coefficient for Mobile marketing and Brand Equity.....	64
Table 5.18 Model Summary for SMS marketing and Brand Equity.....	65
Table 5.19 ANOVA for SMS marketing and Brand Equity.....	65



**Table 5.20 Coefficient for SMS Marketing and Brand Equity.....66**  
**Table 5.21 Model Summary for LBA SMS marketing and Brand Equity.....66**  
**Table 5.22 ANOVA for LBA and Brand Equity.....67**  
**Table 5.23 Coefficient for Location Based Advertisement and BE.....67**  
**Table 5.24 Model Summary for Mobile Apps and Brand Equity.....67**  
**Table 5.25 ANOVA for Mobile Apps and Brand Equity.....68**  
**Table 5.26 Coefficient for Mobile Apps and Brand Equity.....68**  
**Table 5.27 Coefficient for Mobile marketing and Brand Equity.....70**  
**Table 5.28 Coefficient for SMS Marketing and Brand Equity.....70**  
**Table 5.29 Coefficient for Location Based Advertisement and BE.....70**  
**Table 5.30 Coefficient for Mobile Apps and Brand Equity.....71**



## LIST OF FIGURES

Figure 2.1: Internet usage statistics in Sri Lanka .....	11
Figure 2.2: Mobile marketing practices model .....	17
Figure 2.3: Types of mobile marketing model .....	17
Figure 2.4: SMS marketing model .....	20
Figure 2.5: SMS marketing model .....	21
Figure 2.6: Customer Based Brand Equity Model .....	30
Figure 2.7: Keller (1993) Customer Based Brand Equity Model.....	31
Figure 2.8: Research conceptual model.....	35
Figure 3.1 The conceptual framework of this study.....	37