# EFFECT OF CELLULAR TECHNOLOGY ON LOGISTICS PERFORMANCE IN CUSTOM CLEARING AND FREIGHT FORWARDING FIRMS: A SURVEY OF CUSTOM CLEARING AND FREIGHT FORWARDING FIRMS IN KARACHI.

## BY SYED NAJAF ALI SHAH 55056

A thesis submitted to the Department of Management Sciences, Bahria University Karachi Campus, in partial fulfillment of the requirements for EMBA Degree



**FALL, 2019** 

**Bahria University Karachi Campus** 



Candidate's

Name:

### MBA Thesis 2nd Half-Semester Progress Report & Thesis Approval Statement

#### Supervisor - Student Meeting Record

S#	Date	Place of Meeting	Topic Discussed	Signature of Student
1	19-10-2019	Faculty Office	Introduction	MX .
2	08-11-2019	Faculty Office	Literature review	XX
3	09-12-2019	Faculty Office	Results	

APPROVAL FOR EXAMINATION

SYED NAJAF ALI SHAH	Registration No.:	55056	

Thesis Title: THE EFFECT OF CELLULAR TECHOLOGY ON LOGISTICS PERFORMANCE IN CUSTOM CLEARING AND FREIGHT FORWARDING FIRMS OF KARACHI.

Ihereby certify that the above candidate's thesis has been completed to my satisfaction and, to my belief, its standard is appropriate for submission for examination. I have also conducted plagiarism test of this thesis using HEC prescribed software and found similarity index at\_that is within the permissible limit set by the HEC for the MBA thesis. I have also found the thesis in a format recognized by the Department of Management Sciences.

Supervisor's Signature:	Acresso	Date: 20/1/20
Supervisor's Name:	SIR NAVEED NASEEM SIDDIQUE	
HoD's Signature:	P	Date: 20-1-2020

#### **Declaration of Authentication**

I, hereby, declare that no portion of the work referred to in this thesis has been submitted in support of any application for another degree or qualification of this university or any other institution of learning.

Student's Signature:

#### **Dedication**

I would like to dedicate this work and special feeling of gratitude to my supervisor Mr.Naveed Naseem Siddique for his support his kindness and the precious time he spares, for their encouragement, guidance and support from the initial to the final level of my study.

I extend my sincere gratitude to my Parents who were always praying for me and always stood beside me and gave me both social and psychological support.

Special dedication to my friends Chaudhry Hasnain, Abdus Salam, Engr Muhammad Asif who gives motivation to do this reseach work. Along with this, credit of this also goes to my respectable senior Sir Irshad Ahmed Saeedi who guided a lot throughout this research work. Of course I cannot forget Miss Zainab zakira for Sharing her valuable experience of conducting research work.

Last but not the least I place a deep sense of gratitude to my friends and relatives who have been constant source of inspiration during the preparation of this project work

Fall 2019 55056

#### **Acknowledgement**

First of all, I am very grateful to Almighty ALLAH for HIS blessing which gives me the determination to successfully pass through this wonderful journey. It's through His blessings and mercy that I am capable to reach at this destination here today. Affirmation goes to the Bahria University for allowing me to pursue this voyage in the best establishment territorially. Fulfillment of this task was somewhat testing and I wish to value each one of the individuals who became contributions to this undertaking in a manner or the other to accomplishment of this venture.

Appreciation to my capable Supervisor Mr. Naveed Naseem Siddique for managing me through the voyage, helping me understand the essence of this examination and how to apply it, all things considered.

Thank you so much.

#### **Abstract**

#### Purpose

The research purpose to study the impact of Cellular technology on logistics performance of custom clearing and freight forwarding firms in Karachi.

#### Methodology & Design

The research is been conducted by using primary data. That is been collected through questionnaires from different clearing and forwarding firm in Karachi. The sample size is 385.

#### **Findings**

The data was analyzed by means of descriptive statistics and regression. Tables and charts were used to present the data. The study established that by adopting cellular technology then the overall performance of logistics in improved. The cellular technology in turn resulted in increased productivity, increased profitability, better efficiency in service delivery, customer satisfaction, as well as higher/ better cost efficiency. It was therefore notable that logistics performance in a firm is largely influenced by the cellular technology practices adopted by the firm.

#### Limitations

Findings of the study were only valid for cargo clearing and forwarding firms in Karachi. The research is only valid for the custom clearing and freight forwarding firms their findings cannot be valid for the other sectors like banking and others.

#### Recommendations

There are many firms that are not having properly adapted the technology and lack on research. Firms has to focus on their core activities. Companies need to use their potential and their equity on its core activities. Which give them more advantage over their competitors. Like the adaptation of cellular technology in their firm.

Keywords Electronic Data Interchange, Electronic Ordering System, Enterprise Resource Planning

#### **Table of Contents**

CHA	PTER 1	1
INTR	ODUCTION	1
	Introduction	
1.2	Background	.2
1.3	Problem statement	3
1.4	Research Objective	3
1.5	Research Question	3
1.6	Significance of the Research	
1.7	Scope of the Research	4
1.8	Organization / structure of the thesis	4
LITE	RATURE REVIEW	6
2.1	Mobile Phone Technology	6
2.2	Logistics Performance	7
2.3	Mobile Phone Technology and Logistics Performance	8
2.4	Clearing and Forwarding Sector	9
2.4.1	Information Flow	. 10
2.4.2	Logistics Integration	. 12
2.4.3	Fleet Management System	. 13
2.4.4	Warehouse and Inventory Management	. 14
2.5	Effects of Mobile Technology on Logistics Performance	. 15

2.6	Summary of Literature and Knowledge Gap	16
2.7	Conceptual Framework	18
СНА	PTER 3	.19
RES	EARCH METHODOLGY	.19
3.1	Nature of Research	19
3.2	Research Design	.19
3.3	Targeted Population and Sample size	19
3.4	Data Collection Method	20
3.5	Sampling Techniques	20
3.6	Research Instrument	.20
3.7	Data Integration Method	. 20
3.8	Operationalization of Study Variable	. 21
CHA	APTER 4	23
RES	ULT AND DATA ANALYSIS	. 23
4.1	Description of Respondent	. 23
4.2	Demographic Information	. 24
4.2.	1 Gender of the Respondent	. 24
4.2.2	2 Age of the Respondent	. 24
4.3	Mobile Phone Technology Adaptation and Logistics Performance	.25
4.3.	Extent to Which Mobile Phone Technology is Being Used	25
4.4	The Effect of Mobile Technology on Logistics Performance	27
4.5	Factors Hindrance Adaption of Mobile Phone Technology	29

4.6 Reliability31
4.6.1 Scale of Information Flow32
4.6.2 Scale of Logistic Integration32
4.6.3 Scale of Fleet Management System32
4.6.4 Warehouse & Inventory Management33
4.7 Regression
4.8 ANOVA35
4.9 Pearson correlataion
4.10 Summary of hypothesis
CHAPTER 5
CRITICAL DEBATE40
5.1 Critical Debate
5.1.1 Information Flow40
5.1.2 Logistics Integration41
5.1.3 Fleet Management System
5.1.4 Warehouse & Inventory Management41
5.2 Practical Implication
CHAPTER 6
CONCLUSION AND RECOMMENDATION43
6.1 Conclusion43
6.2 Recommendation44
6.3 Limitation of Study45