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## EXPLORING THE FACTORS AFFECTING USER SATISFACTION OF DIALOG AXIATA PLC COMPANY PRODUCTS: A SYSTEMATIC REVIEW

1\*K

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#### **ABSTRACT**

Customer satisfaction is the central theme of this study. Dialog Axiata PLC has been selected for this research. This company is a leading communication service provider under the telecommunication industry in Sri Lanka. However, according to the market observation of the management of Dialog Axiata PLC, customer satisfaction is not seemed as favourable because the number of customers is declining over the last few years. By taking this information as a basis, researchers have explored the factors that affect customer satisfaction in the Sri Lankan Telecommunication industry. The objectives of this study are to explore the factors that influence customer satisfaction on the services provided by Dialog Axiata PLC and suggest strategies to improve Dialog Axiata PLC's customer satisfaction level. Researchers of this study have established qualitative research and deductive approach since all data presented is based on past research articles and models. As the sample of the study, the researchers selected ten relevant research articles and factors that affect customer satisfaction. To analyse the factors affecting customer satisfaction, the thematic analysis and narrative writing from the existing literature have been used. Based on the identified factors that determine customer satisfaction, the relevant factors for the context of the Sri Lankan Telecommunication Industry, have been selected and incorporated into the researchers' developed conceptual framework. The conceptual framework was developed based on the factors, which are most appropriate to the Sri Lankan Telecommunication Industry such as app performance (low interruptions), complaints management, empathy, pricing, reliability and social media memes. Those Journal of Business Management, Volume 03, Issue 01, June, 2020

identified factors have been considered as predictors (Independent variables) of customer satisfaction (Dependent variable) of telecommunication customers. Finally, future researchers are motivated to gather more definite findings by collecting primary data and measuring data to analyse these factors. And also, they can explore other key factors that may have an impact on customer satisfaction. This conducted research work fulfilled the knowledge gap on the area of factors affecting the satisfaction of customers who was benefitting from the products and services of telecommunication companies and enhanced the knowledge of researchers of the current study and future studies on this theme.

**Keywords:** app performance, customer satisfaction, social media memes and telecommunication industry

#### **INTRODUCTION**

Customer satisfaction is a crucial criterion for every company that drives the company to success. If customers are not satisfied with the products or services, a company may lose those dissatisfied customers. Also, it can lead to negative word of mouth. Since the customer is the determining factor of a company's existence, the primary purpose of a company must be to improve customer satisfaction. When a company develops strategies to increase customer satisfaction, some key factors that affect customer satisfaction must be identified. Based on these arguments, the researchers have intended to study the factors that influence customer satisfaction (Anjum, Aftab, Sultan and Ahmed, 2016; Munyanti, Masrom and Akademia Baru, 2018).

By considering the telecommunication industry in Sri Lanka, several problems have been reported in social media and other media regarding customer satisfaction. To determine whether there are problems in the Sri Lankan Telecommunication Industry, an empirical study was carried out for Dialog Axiata PLC, which is one of the leading companies in the telecommunication industry in Sri Lanka (Dialog Axiata PLC, Annual Report, 2018). This company has captured a significant portion of the market share as a market leader with a wide range of products and services, including mobile voice, mobile broadband, internet, devices and TV, and so forth. However, according to Dialog Axiata PLC's management's observations on customer satisfaction through reviews on the company's official social media pages, it has not been favourable as the number of customers has declined over the past few years (Dialog Axiata PLC, 2020). From the perspective of Dialog Axiata PLC's management, negative word of mouth that is spread on social media platforms and mobile

Journal of Business Management, Volume 03, Issue 01, June, 2020 app interruptions have significant reasons for decreasing customer satisfaction (Dialog Axiata PLC, 2020).

According to the results of the empirical study, the following results were presented. And an observation method also has been used. The study was conducted by using 20 customers who were selected from the Dialog Axiata PLC's social media pages and groups. Of those 20 respondents, the researchers asked customers an open-ended question, "Are you satisfied with Dialog Axiata PLC's telecommunication services?", if not, "What are the reasons for the dissatisfaction?". 13 out of 20 customers said that they were not satisfied with the services provided by Dialog Axiata PLC. The graphical illustration of the empirical study is presented below.

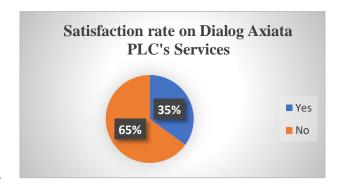


Figure 1: Service

satisfaction

Source: Empirical Study, 2020

Below are some of the issues behind Dialog Axiata PLC's customers' high level of dissatisfaction (Empirical Study, 2020):

- ✓ App performance The My Dialog app is not performing well
- ✓ Complaints management Dialog Axiata PLC is not resolving the complaints made by the customers on time. Moreover, some complaints are ignored by the company.
- ✓ Customer communication The customer must wait a long time when contacting the customer care centre. Sometimes, the phone calls disconnected. Moreover, Dialog does not respond properly to the chatting area in the app and Facebook messenger in some cases.
- ✓ Pricing Prices for the services is very high compared to other telecommunication service providers in Sri Lanka. Moreover, there are some hidden charges which are deducted from the customers' prepaid balance without informing the customers.
- ✓ Services quality When considering all those factors stated above, respondents of the empirical study have noted that the service quality of Dialog Axiata PLC is not in a

Journal of Business Management, Volume 03, Issue 01, June, 2020 satisfactory level. Thus, it can be assumed that customer satisfaction can be decreased due to low service quality since previous studies have revealed that there is a direct relationship between service quality and customer satisfaction.

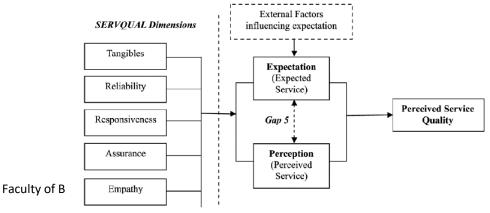
- ✓ Social media memes social media gossips and memes make a significant impact on the opinion of the customers on the services provided by Dialog Axiata PLC. Memes and posts posted on Facebook have a negative impact on Dialog Axiata PLC, which can have a negative impact on the company's purchase intention and customer retention.
  - By considering these above-mentioned issues, the researchers have explored the factors that may influence the Dialog Axiata PLC's customer satisfaction. As a result, this study attempts to address the following research questions:
  - i. What are the factors affecting customer satisfaction in the Sri Lankan telecommunication companies?
  - ii. What should be the strategies for enhancing the customer satisfaction level of the Sri Lankan Telecommunication companies?

Thus, this study aims to achieve the following objectives:

- to examine the factors affecting customer satisfaction of the Sri Lankan Telecommunication companies.
- to recommend strategies for enhancing the customer satisfaction of Sri Lankan telecommunication companies.

#### LITERATURE REVIEW

Through the theories and models, factors affecting customer satisfaction have been identified as follows. The view of most of the researchers is that the service quality can make a significant impact on customer satisfaction (Sridhar, 2001; Minh, Ha, Anh and Matsui, 2015). Based on that, elements of service quality have been identified as factors affecting customer satisfaction. According to the SERVQUAL model, elements of service quality is identified as follows:



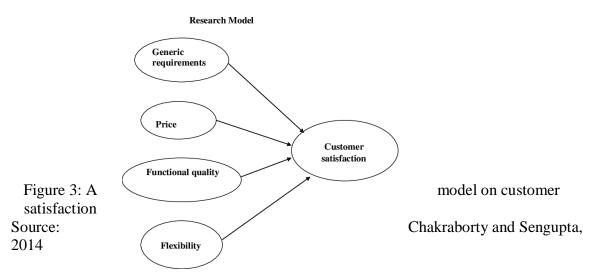
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#### Figure 2: SERVQUAL Dimension

Source: Ghotbabadi, Baharun and Feiz, 2012

According to this SERVQUAL model, tangibles, reliability, responsiveness, assurance, and empathy have been identified as determinants of service quality.

By investigating the models developed by the researchers, especially for the telecommunication sector, "Customer satisfaction model of mobile network providers in Kolkata." is presented as follows:



According to Chakraborty and Sengupta (2014), genetic requirements, price, functional quality and flexibility can make a significant impact on customer satisfaction.



According to the dimensions of customer satisfaction (Nazari et al., 2014), affective responses, perceived value, the fulfilment of critical existing needs and changing needs (innovations) can enhance the satisfaction level of telecommunication customers.

#### RESEARCH METHODOLOGY

#### Research method

Quantitative and qualitative are the two dominant research methods. Since this study was done based on the research articles, this study falls under the qualitative research. The study has analysed altogether ten research articles relevant to this research context to explore the factors affecting customer satisfaction (Mishra and Alok, 2017).

#### Research approach

Inductive and deductive are the two key main research approaches used by the researchers. Referred to the current study, the deductive approach was used since the research model and all the findings were derived from past studies (Igwenagu, 2016).

#### Sample of the study

As a sample of the study, the researchers selected relevant ten research articles and factors that influence customer satisfaction. The articles have been selected through a scientific method as follows.

1. To obtain the most relevant or most up to date data, Journal Articles published, which were published after 2010 have been selected. Therefore, a wide distribution of publications was taken from 2011 to 2019.

The year and journal articles using Microsoft Excel are analysed as follows.

Figure 5: The year and journal article

Year

4
3
2
1
0
2011 2012 2014 2016 2017 2018 2019

According to the

analysis of the

year, the researchers reviewed articles from 2011 to 2019 and published many articles in 2016.

2. To enhance the quality of the results, well-reputed journals and the conference papers were selected to obtain unpublished data. By using the unpublished data, access to future knowledge can be obtained.

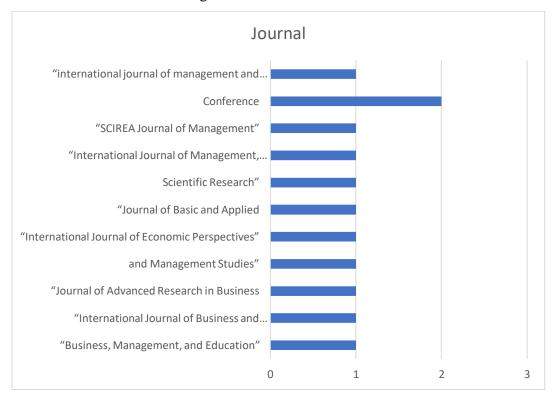


Figure 6: Sources of Articles

For the analysis of journals, the researchers selected eight articles from eight different journals and two from conference journals. Based on the literature review, the following factors have been identified as important in determining customer satisfaction. From the researchers' point of view, these factors may be necessary for Dialog Axiata PLC, when focusing on increasing the level of customer satisfaction.

#### Method of analysis

To analyse the demographics of the research articles, Microsoft Excel analysis has been used. To analyse the factors affecting customer satisfaction, the summarization method from existing literature has been used (O'Connor and Gibson, 2003).

#### **DATA ANALYSIS**

Through a literature matrix table, factors affecting customer satisfaction for companies under the telecommunications sector have been identified.

**Table 1: Literature matrix** 

Author	Ye	Journal	Topic	Independ	Depen	Findings	Citation
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			Telecommu				
			nication				
			Industry in				
			Bangladesh				
			"				
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			Business	the app		ce (low	
			Environmen			interruptio	
			t"			ns) and	
						Intelligent	
						features of	
						the app	

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Hongch		of	Satisfaction:	-	ction	s	Hongcha
aru		manage	evidence	Promotion		Services	ru, 2011)
		ment	from	s		quality	
		and	Thailand	-Services		affects	
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		research	network			n	
		"	industry"				
Jibril	20	Confere	"Customer	-Services	Custo	Services	(Jibril,
	11	nce	Satisfaction	quality	mer	quality	2011)
			in Mobile	-	satisfa	Complaint	
			Telecommu	Complaint	ction	S	
			nication	S		managem	
			Industry in	managem		ent affects	
			Nigeria	ent		customer	
			A Case			satisfactio	
			Study of			n	
			Etisalat,				
			Nigeria"				

#### **Comparison with literature**

In the literature review, it was determined that the view of most of the researchers is service quality can make a significant impact on customer satisfaction (Sridhar, 2001; Minh*et al.*, 2015). According to this SERVQUAL model, tangibles, reliability, responsiveness, assurance and empathy have been identified as determinants of service quality. Moreover, According to Chakraborty and Sengupta (2014), genetic requirements, price, functional quality and flexibility can make a significant impact on customer satisfaction. Finally, literature presents the dimensions of customer satisfaction (Nazari et al., 2014), which includes affective responses, perceived value, fulfilling of essential needs and fulfilling of changing needs (innovations) that can enhance the satisfaction of the customers of telecommunication companies.

Most of the factors identified in the literature review were proved in the data analysis and some unique findings were also identified. Factors which can have a significant impact on the customer satisfaction in the telecommunication industry, which was newly identified from the data analysis such as app performance (low interruptions), complaints management, contribution to society, network quality, services diversity, the security of data, signal coverage and social media memes

Table 2: Identified factors affecting customer satisfaction for companies under the telecommunications sector

Factors	Why do relevant to Dialog Axiata PLC	Relevant literature		
App	According to internal reports, Dialog Axiata	New factor which		
performance	PLC's mobile application is likely to be	was derived from		
(low	interrupted. Therefore, this factor should be	data analysis		
interruptions)	considered critically.			
Assurance	The warranty status of Dialog Axiata PLC is	S SERVQUAL model		
	satisfactory. Therefore, there is no need to	(Ghotbabadi et al., 2012)		
	consider the factor as important.			
Complaints	When you look at Dialog Axiata PLC's	New factor which		
management	Facebook page, you can see that Dialog's	was derived from		
		data analysis		

	complaints management is poor. Therefore, this	
	factor should be considered critically.	
Consistency	The consistency level of the conversation is	Chakraborty and
	satisfactory in Dialog Axiata PLC. Therefore,	Sengupta (2014)
	there is no need to consider this factor as	
	important.	
Contribution to	Dialog Axiata PLC involves in several CSR	New factor which
society	and other social activities. The contribution	was derived from
	level of the Dialog Axiata PLC is satisfactory.	data analysis
	Thus, there is no need to consider this factor as	
	critical.	
Customer	The customer communication level of the	SERVQUAL model
communication	Dialog Axiata PLC is satisfactory. Thus, There	
	no need to consider this factor as critical.	
Empathy	Sometimes, customers complain of empathy	SERVQUAL model
	violence in service centres. Therefore, this	
	factor should be considered critically	
Innovativeness	The innovation level of the Dialog is	(Nazari et al., 2014)
	satisfactory. Thus, it is not necessary to	
	consider this factor as critical.	
Intelligent	Dialog Axiata PLC has Artificial Intelligent	(Nazari et al., 2014)
features of the	chat and other features in the App. The	
app	intelligent features level of the Dialog is	
	satisfactory. Thus, it is no need to consider the	
	factor as critical.	
Network	Dialog Axiata PLC is considered the speediest	New factor which
quality	network in Sri Lanka. Thus, Dialog's network	was derived from
	quality level is satisfactory. Therefore, there is	data analysis
	no need to consider this factor as important.	
Pricing	Dialog Axiata PLC receives complaints about	Chakraborty and
	high pricing. Thus, this factor should be	Sengupta (2014)
	considered critically.	

Promotions	The promotion level of the Dialog is satisfactory. Thus, there is no need to consider this factor as critical.	SERVQUAL model (Ghotbabadi et al., 2012)
Reliability	In terms of customer complaints, this factor	SERVQUAL model
	should be considered critical.	( Ghotbabadi et al.,
		2012)
Responsiveness	The response level of the conversation is	SERVQUAL model
	satisfactory. Therefore, there is no need to	( Ghotbabadi et al.,
	consider this factor as important.	2012)
Security	The security level of the conversation is	New factor which
	satisfactory. Therefore, there is no need to	was derived from
	consider this factor as important.	data analysis
Services	The diversity level of the conversation is	Chakraborty and
diversity	satisfactory. Therefore, there is no need to	Sengupta (2014)
	consider this factor as important.	
Services	Since reliability and other auxiliary factors	services quality can
quality	were considered, it is recommended to ignore	make a significant
	this factor.	impact on customer
		satisfaction
		(Sridhar, 2001;
		Minhet al., 2015)
Signal	Dialog Axiata PLC is considered as the most	New factor which
coverage	secure network in Sri Lanka. Therefore, there is	was derived from
	no need to consider this factor as important.	data analysis
Social media	As previously stated, there have been many bad	New factor which
memes	Facebook memes against Dialog Axiata PLC.	was derived from
	Therefore, this factor should be considered	data analysis
	critically	
Tangibility	Dialog Axiata PLC has built its service centres	SERVQUAL model
	with high-quality assurance. Therefore, there is	(Ghotbabadi et al., 2012)
	no need to consider this factor as important.	,

Value-added	Netflix and many other value-added services	(Nazari et al., 2014)
services	are available to customers. Therefore, there is	
	no need to consider this factor as important.	

Based on these identified factors that determine customer satisfaction, the relevant factors for Dialog Axiata PLC have been identified and incorporated into the conceptual framework as follows.

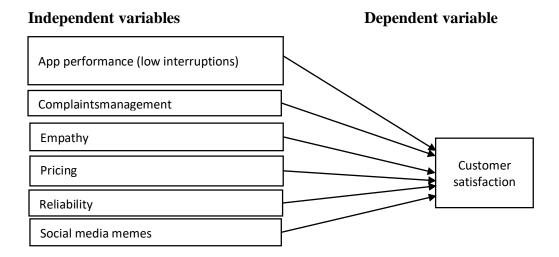


Figure 7: Researchers' Developed Research Model

#### CONCLUSION AND RECOMMENDATIONS

#### **CONCLUSION**

Customer satisfaction is a crucial criterion for every company that drives the company to hit success. This study is based on the Sri Lanka Telecommunication Industry. Dialog Axiata PLC has been selected for the empirical research and it was based on determining the current issues of the Sri Lankan Telecommunication Sector. Over the past few years, the Dialog Axiata PLC's management has seen a slight decline in customer satisfaction with the measurement of customer satisfaction after delivering the service through official social media interaction. The objectives of the study were to explore the factors that influence the customer satisfaction of customers of Dialog Axiata PLC and suggest strategies for improving customer satisfaction. As a sample of the study, the researchers selected ten research articles. Of the ten articles considered, the relevant determining factors were explored.

The conceptual framework was developed based on the appropriate factors to the organizational context such as app performance (low interruptions), complaints management, empathy, pricing, reliability and social media memes. Those factors have been identified as predictors of Dialog Axiata PLC's customers' satisfaction.

#### RECOMMENDATIONS

Companies should focus on the six factors identified from the literature review to formulate strategies on customer satisfaction. The bugs of the app should be corrected by conducting an IT audit through an independent IT firm.

Customer Complaints Management should be improved and all receiving complaints should be resolved by respective staff. Besides, service personnel must be trained to understand and respond to customers' emotions and to address them to the management properly. Moreover, it is recommended to consider affordable prices for providing services. Also, to improve reliability, Dialog Axiata PLC should offer the promised services. Last but not least, the wrong social media memes regarding the company created by customers or non-customers should be overcome by creating their own positive featured memes.

#### LIMITATIONS AND DIRECTIONS FOR FUTURE RESEARCHERS

This present study was undertaken by analysing the literature of 10 past types of research related to this context and it was not statistically analysed to find the actual impact of the factors on customer satisfaction. Therefore, future researchers are motivated to analyse these explored factors by collecting primary data and measuring data to obtain definite findings. Furthermore, they can explore other factors that may impact on customer satisfaction.

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