

Combine Effect of Automated Services and Traditional Services Quality on Customer Satisfaction: Evidence from Banking Sector of Pakistan

Malik Shahzad Shabbir^{1*}, Amer Khalil ur Rehma¹ and Tazeem Shabbir²

¹International Islamic University, Islamabad, Pakistan

²University of Punjab, Pakistan

Abstract

In recent years, the use of technology to deliver the services has grown rapidly in banking sector and it made a significant impact on customer perception. In previous studies; automated service quality was proposed by the several studies to be an important antecedent of customer satisfaction. However, in traditional settings, human element is also considered a strong motivator of customer's satisfaction. So the major objective of this research study was to explore the combined effects of automated service and traditional service quality (human interaction) on customer satisfaction. Furthermore, the investigation on customer satisfaction in automated services context, combine with traditional services quality is limited. However, we didn't find any comprehensive study that has modeled these variables together. The research study was conducted through cross sectional field survey and self-administrated questionnaire was used in order to collect data in banking sector of Pakistan. Multiple regression analysis process was conducted to assess the effect of both services typology (automated and traditional) on customer satisfaction. The results have shown three main findings. First, it was found that automated service and traditional service quality (human interaction) both have direct significant effect on customer satisfaction. Second, the results find that an insignificant relationship between ATM services on customer satisfaction when moderated by Traditional Banking services, and directly this services play an important role to satisfy the customer. Thirdly, results found a strong positive significant association in Mobile banking services and internet banking services moderated by teller banking services.

Keywords: Automated and traditional service quality; Customer satisfaction; Banking sector; Mobile and internet banking services

Introduction

Service quality has seen as the major way to increase organizational performance and an important way of organizing a flourishing business in recent economies [1]. It remains considerable the important issue in the literature of marketing. So customer satisfaction and service quality is the core heart of the industry of banking. In the consideration of a successful banking business rely on the strongly related impact of perception and the expectation of the customers [2,3]. Testing the market oriented customer expectations, scheming a system for service delivery that can satisfy the needs of customers and improve the level of performance is an imperative objective for banks to attain and retain the quality of being competitive [4].

However during last two decades technology has significantly caused reshaping of banking industry. The revolution in technology and communication created a new world for banks; a world in where consumers are enable to directly interact and conduct their transaction services anytime and anywhere [5]. Technology has changed the way of retail banking by creating new range of products and improving use of automated delivery channels. The automated delivery Channel include as internet, mobile banking and ATM [6]. Anyhow In the literature, automated banking channels have several different names such as technology delivery systems, electron banking, online banking and innovative distribution channels.

Automated service qualities have been taken as an important feature to measure the satisfaction of the customers [7]. As Al-hawari [8], argued that banking advance automated service quality can enhance the satisfaction, retention and profitability and strengthening relationships with customers [9]. All over the banking industry has to face a critical condition where the traditional delivery services are not the first priority of the interest [10]. Meanwhile, many researchers argued that customers can be isolated from the technology, suggest ineffectiveness, and it can increase the chances of separation and passivity [11]. However, most of the bank customers still giving importance to direct

communication from the service provider. The researches argued that issue of quality in the traditional style is still a successful way of making a good relationship [12]. Therefore, banks should find a best way to enhance the competitive benefits. A few number of researchers got the similar problem. Curry and Penman [13] found that increasing use of technology in banking sector, so it is compulsory to maintain a balance between traditional banking services and the technological services. However, it is critical for bank managers to maintain the balance between traditional service qualities and automated services. So the same study investigates empirical evidence which shows the tellers have relative significance with automated banking services that can influence the satisfaction of retail banking customers. Due to the intensive growth in technology automated channel of delivering a variety of banking services has become a common trend among the banks and also considered the important issue in marketing literature. However, the literature provided limited empirical investigation that despite the intensive growth and use of technology, the traditional services are at a standstill way of making the relationship with customers.

The financial sector include banks which are play an important component of the Pakistani economy. Improving bank profitability by understanding its relationship with banking automated services quality is expected an impact on the whole national economy. This research is based on the importance of both automated banking and traditional

***Corresponding author:** Malik Shahzad Shabbir, International Islamic University, Islamabad, Pakistan; Tel: 0343-6656850, E-mail: Mshahzad786.pk11@gmail.com

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banking would help in identification and understanding the customer's opinion regarding both type of banking services along with its features and how it can satisfy the customers in Pakistani banking sector. However, there were few studies in the literature that discussed the issues related to the automated banking context [14]. So this research study is very important because it will extend to the existing body of knowledge, literature and could be a landmark for further studies to be conducted on this particular field.

However, the term management is not only consisting on firm level but also for Institutions, Economy and State levels respectively [15]. It might be beneficial to the scholarly community and decision maker's body who deal directly with the banking sector and to make meaningful proposals and suggestion to improve the banking sector in Pakistan [16]. This study is also helpful in getting one step nearer to the interoperability of the technological solutions.

The results of this study can be very help full to manager's community of banks, where they take advantage of these benefits technology and traditional offers. It also provides excellent service to customers. This study will empower policy makers of financial institutions and banking sectors to know what strategic decisions are required for enhancing customer satisfaction in the current market turbulence and thus will get customers faithfulness and will increase the profit as well.

Literature Review

Customer-satisfaction

Customer satisfaction is referring to the judgments or feeling towards products or services of the customer when they have been used [17]. Over the last three decades Customer satisfaction has been fundamental components of marketing theory and practice. Customer satisfaction in the renowned services has been broadly known as basic indicator of performance regarding to any type of business. It is also on the top main priority in strategy development and market oriented firm, which cannot ignore the importance of customer satisfaction [18]. In current intense competition climate from both domestic and international market, the key to contain a competitive advantage is depending on delivering high quality services which in turn satisfies the customers. Banks now tend to focus more on financial activities, markets, and customer satisfaction than previously.

Abdullah and Rozario [19] highlighted some different external and internal factors, which may be influenced level to customer satisfaction and suggests that it is very difficult to determine satisfaction. The process of measuring overall customer satisfaction is not static but consistent change while the customer gains an experience with service provider. As Jamal and Nazar, study proposed that customer-satisfaction is not only associated with the view of customers concerning the reliability of the services delivered but also based in the experience of the customer with the delivery process. However, customer satisfaction is emphasis more on the total evaluation based on total consumption over the time [20].

Technological Innovation and the banking sector

Technology developments have been analyzed that they are the major forces which influencing the financial sector's development [21]. Technological development has changed the way of retail banking by creating new range of products and improving delivery channels. Technology has a high value for competitive advantage and this is part of marketing literature. Pyun et al., explained that banks adapt technology quickly and invest in it to control the costs, attract the

valuable customers and gathering expediency and technological needs of their presented customers. According to Alu [22], technological innovations facilitate banking process not only for customers but also for the banking officers. Similarly, Yasuharu had a similar observation that technology has transformed banking industry. It concluded that technological infrastructure helps customers, all members of the value chain and helps in getting larger market share and high growth.

Technology and its predicted innovations have now become almost a standard of competitive advantage. A study by Singhal and Padmanabhan explained a relevant to customer perception towards internet banking a technologically advanced service, this study provides basis which add on to customers' perception such as convenience, reliability, time factor, real time access to information, faster transfer, easy to use, user friendly, low transaction fee, branch less banking facility, and many other factors. The importance of this can be drive through the reality that it has been supposed to throw in to energetic be beneficial to firms so they can increase their capability in keeping up with, react to and start technical improvements on the continues beginnings. So it can be disguised for services industry and novelty plays an important role in communication with the customers [23].

In current intense competitive economy, high services quality plays a significant role in a company's success and failure [24]. This creates a tremendous pressure on banks to improve their services [25]. Provision of automated services are necessary in a bank because it enhance customers rotation rate, productivity, financial performance, helps attract new customers through positive word-of-mouth, decrease operation cost and maximizing competitive advantages [26]. It is necessary for banks to embrace this new technology oriented context, because in current competitive environment, information technology has become back of modern manufacturing utilization and main cause of intended for the expansion. Cronin and Taylor [27] argue that customer satisfaction directly linked with the enhancement of an organization's services. Most of the scholars have mentioned that innovation and Service quality are the primary aspect for the assessment of customer satisfaction [28]. In the delivery of service, banks need to technological innovation to meet the needs of numerous clients being both corporate and private customers.

Today, technology is the major force behind the change occurring in the business world, which is creating new marketing opportunities. Technology has also impacted on marketing practice [29]. This change is at its peak and is unavoidable for survival. So adaption is necessary for competitive advantage and point of differentiation [30]. The acceptance of IT infrastructure as a way to have dealings is extremely fetching famous. If businesses are unable to develop channel from where their customers can gain value, they will be having troubles with developing relationships with the customers [31].

Automated services

Anyhow In the literature, automated banking channels have several different names such as technology delivery systems, electron banking, online banking and innovative distribution channels [32,33]. Automated service refers to the electronic provision of a service to customers. By definition, as the customer's overall evaluation of the excellence of services provided through electronic networks or media, such as the internet, ATM, and telephone banking [34]. It is a comprehensive definition which seemed to be fit for this research because as the internet delivery channels is not the only automated service delivery channel that can be identified in the banking sector, ATM and telephone banking are also include.

In the retail banking sector, customer's tendency to use new automated channels of service deliverance can take into place a striking Adjustments and build close association with their customers [35], and also provide other benefits, such as convenience, lower cost, increased sales [36]. Scholars have also been identified some other key benefits as including better customer retention; attraction of new customers; increased profit and performs and enhanced corporate image performance [37,38] their studies have a positive impact on the growth in banking sector.

Because of the importance of automated services in banks, there is a necessity to understand better how customers evaluate automated banking services. The customer acceptance of the new automated channels of service delivery in banks may bring a dramatic change in the way that retail banks build and maintain a close relationship with their customers. So, there is a small amount of studies that investigate automated service quality features in banking sector [39]. Thus, there is a need for further empirical investigation on automated service quality in the banking sector

Litterateur showed that in the banking sector use of these three automated service delivery channels by customers in a complementary way [40]. As a result, creating relationship with customer more preferably in combination but it can be developed using any of them [41]. Customer intention to use a particular channel is perceived directly by perception of the features associated with a particular channel. The quality of each channel of automated services is important in shaping the customer's overall perception and therefore, each delivery channel has been measured as a different factor in the proposed automated service quality model rather than an aggregated measurement.

Among the retail customers Internet banking (IB) is getting growing popularity due to its 24 hours availability in seven days a week, low cost transaction, and due to have ability serve up as an alternative convenient channel. In other word, there is no time and place constrained in internet banking. As a result, internet kind of banking has attracted substantial adoption by the customers. The major and most important features of IB have been found such as, time saving, freedom from time and place and low cost.

Casalo et al. argued that the website usability of higher levels may lead to words higher levels of affective customer's commitment to the website as well a direct, constructive and considerable relationship between customer's satisfaction and commitment to a financial services website. Alawatte found that the convenience use of internet banking is a key source of customer satisfaction and thus, affect the attitude of customer adoption of internet banking. The work done by Jun et al. [42] was also found that reliability of IB services to be a very significant predictor of customer satisfaction. Internets banking web responsiveness, assistance, assurance and empathy have a significant effect on customer satisfaction at similar levels. Some other researchers such as has also been illustrated that these internet service quality dimensions (assurance and responsiveness) have high significance impact on customer satisfaction in internet retail settings. The impact of internet service quality on customer satisfaction plays a very important role to create a positive word of mouth [43].

How does service quality impact on satisfaction in an automated banking context

Due to inconsistency in literature, this study has a tendency to support with the moderation of traditional services quality between overall customer satisfactions and automated service quality. Moreover,

the adoption trend of new technology may alter from county to country. In this way the some firms can use these technologies in their respective marketing strategies across the cultural boundaries. It is almost impossible to find that any previous study has investigated the issue of quality in automated and traditional services complementary in their effect on customer satisfaction in the context of Pakistani conventional banking sector.

Furthermore, the research models currently proposed to determine automated service quality are not fully in their focus. However, encompassing on one technological services-channel "the internet" in that way ignoring the other attributes of automated service channels such as, mobile banking services and Automated Teller Machines (ATMs). Accordingly, the proposed model of this study which tried to cover the unique attributes of each automated delivery channel and taking into account the attributes of traditional services that have the potential to influence quality issues. This research thus bridges the gap that existed in the current body of knowledge.

Service quality and customer satisfaction

Nowadays, the main concern of business managers is to find out critical services quality performance factors that create customers satisfaction in order to survive in competition environment. Good services quality create positive attitude and provide the way that how to satisfy the customers. Kirti Dutta and Anil Dutta had an observation that expectations of customers are higher in their value in comparison to customer perceptions and this gap has high implications for customer satisfaction in the banking sector. Vanpariya and Ganguly also had an observation empirically proven that customer satisfaction and service quality is highly and significantly linked with each other. Which in turn generate positive word of mouth and loyalty intention? Satisfaction has never been influenced by other factors of demographics except income, endorsed that all factors of customer satisfaction are linked to service qualities. Gopalakrishnan et al. found that service quality predicts customer satisfaction which in turns had an impact on retention Jackie L M, Tam had a similar observation that customer with high perception, if are endorsed by positive experience get more satisfied that other customers.

Proposed that banks should have to be concerned regarding the quality of provided services because the quality of services taken as most critical part of strategic compilation. Huseyin et al. find services quality awareness has a contribution toward meeting the criteria of International competitive environment. Bank should hire creative personals in order to maintain the long term relations with valuable customers.

Moderating role of traditional services quality

Banks play a complementary role to stable and enhance economic growth in any economy, while the operations of banks directly relay on the customer satisfaction. Traditional services quality has been an important critical moderator between the relationships of automated services and customer satisfaction. It has been identified, when person-to-person interaction increased the impact of relationship between automated services and customer satisfaction went stronger [44]. This showed that while the human interaction with the customers accelerates the effect of relationship between automated banking services and customer satisfaction.

So, highly increasing population throughout the world appreciates and deliberately adopts the new advanced automated banking services

especially e-banking landscape, customer still giving importance to human interactions while dealing with bank [45]. The way to develop dominated relationship with clients through improved online services is not the only option, customer still prefer to direct human interaction in dealing with their banks [46]. Moreover, the teller services have considerable value in devolving strong relationship between customer satisfactions and modernized e-banking services continuously. As Donnell, Durkin, and McCartan-Quinn [44], proposed that satisfaction through advanced automated technologies and personal contacts as well as has positive significant relationship.

The study proposed by Patricio et al. has further explore to measure the quality of services of different banking services through various delivery channels such as automated and traditional channels, and found that prevailing services quality with a single delivery channel has an important effect on other channel like traditional services prevail, thus the quality matters relating to automated banking services should be observed as complementary to the quality issue of normal traditional services associated rather than substitute to each other. So, these findings followed by Durkin et al. shows that a customer does not prefer automated banking as a substitute of direct face to face interaction in banking services. So banks should continuously follow up the levels of accomplishment of the personal needs of customer and satisfaction associated to organizations if they want their customers will remain satisfy from online services [46]. Semijin et al. found that in e-commerce, offline completion was only as significant as online service quality.

However, traditional banking services context is an important gap which this research attempts to address. The literature review which has been done in this research study is clearly pointing out that despite the increasing popularity and acceptance of new banking technologies and the increasing move to an e-banking landscape, customers still have a high preference for human interactions when dealing with their bank. This paper sheds some light on the debate about the balance between personal interaction and technologically delivered services must be right if customers are to be retained and satisfaction over time (Figure 1).

Methodology

Every research program has a research design that has a particular direction of methodology, which bases on its framework and purpose, such as research design, sampling techniques, data collection method

and data analysis methods. The framework in the collection and analysis of data is known as research design. It has been considered the road map while processing the whole process of the study, it explain the direction to conclude the research question. For the purpose of obtaining better representative samples of participants in this research study it is very much vital to determine what is the most important source of data collection from the targeted population. Sample population depicts as set of entities or people from whom results can be generalized the border population [47]. The population must be explaining clearly before that could be sampled. Main purpose of the study is to find the impact of the relationship among customer expectation from automated banking services quality, traditional service quality and customer satisfaction in Rawalpindi/Islamabad, thus in this study, the sample population consisted of bank customers in Rawalpindi/Islamabad over 18 years of age.

Questionnaire of this study has been developed as per the need of required information. Variables such as automated banking services quality, traditional service quality will be used to examine customer's satisfaction. Questionnaire for these variables will be used five point Likert type scales (Strongly Agree=1 and Strongly Disagree=5) to measure the respondent's response. The questionnaire consisted of closed ended questions and to avoid any ambiguity and confusion it was decided to divide the questionnaires into different sections. Section one of the questionnaire takes a look at information on the relationship between automated banking services quality (Internet, Mobile and ATM) and customer satisfaction at Rawalpindi/Islamabad Banks. Section two of the questionnaire look at whether traditional service quality banking moderate between customer satisfaction and service quality and has positive relationship service. Section three dealt with overall satisfaction and last section four dealt with general information on the participants.

The major source of primary data collection is interviews, focused group discussion and questionnaire. This study uses the primary data collection technique through questionnaire from three large banks of National Bank of Pakistan (NBP), Habib Bank of Pakistan (HBL) and Muslim Commercial Bank of Pakistan (MCB). Data collection has been done in two phases. In first step we collect the data for pilot testing of the questionnaire, because we can check through pilot testing that as items are selected from previous researches. But all these studies are being conducted in developing countries, so ti is compulsory to check the validity and reliability of the research instruments according to Pakistani situation, so respondents can easily understand the questions.

Statistical analysis tools used to analyze the data. Demographic frequencies are analyzed through correlation and multiple regression analysis with SPSS. For the purpose of testing the relationship between independent, dependent and moderating variable correlation and multiple regression analysis used. Moderating regression analysis used to test the moderating impact of traditional service quality on automated service quality and customer satisfaction. It is very much important to take a look on the accuracy of data before conducting the final analysis. The response should be consistent because inconsistent response may disturb the reliability of the data. If there is any problem with the reliability of the data the analysis may lead to incorrect conclusion.

The reliability of every item of the scale was determined by Cronbach [48]. Based on the criteria as recommended by Nunnally and Bernstein, cronbach alpha coefficient estimations of all the variables were decided on 0.70. Cronbach alpha coefficient value for automated Service quality Scale was respectively found ATMS 0.727, IBS 0.739, TBS 0.777 with original items of Al- Hawari [49-54]. This result showed

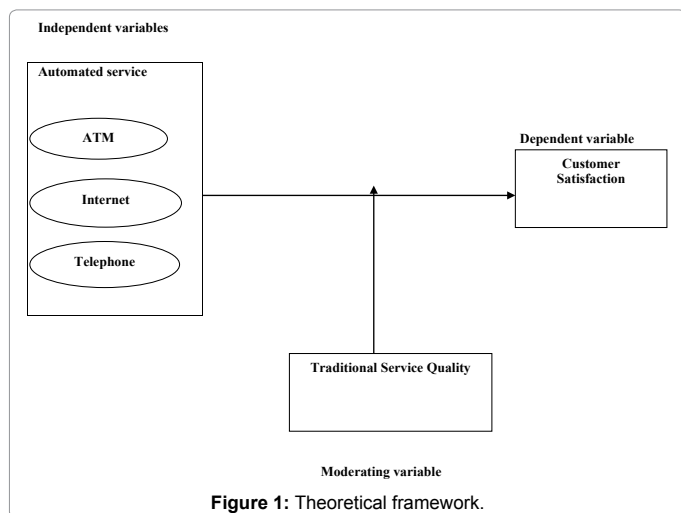


Figure 1: Theoretical framework.

that the value of reliability of this scale is satisfactory in Pakistan and there is no need to remove any item from original scale. Effect on alpha value of this scale is shown in the following Tables 1-4.

Results and Discussion

This part of paper explains and discussing the results of the study as findings suggests the relationship between study variables.

Demographic information

The demographic information of respondent's shows 170 were male and rest of belongs to female. The leading age group (72%) was between 18 to 28 years, the second largest age group was 29-38 with 26.40% from the respondents, where 11% was undergraduates, 64% has Master level education and 11.20% was M. Phil. The leading income group in this study was PKR 31000 to 50000 with 45.20%, by less than income PKR 30000 were 26.20%, between PKR. 51000 to 70000 were 13.60%, from PKR. 71000 to 90000 were 7.2% and more than PKR. 90000 were 7.2%. The respondents visit once every fortnight were 56.80%, 12.40% twice a week, and 6.80% once a week and once in a month were also

Sr.No	Demographic Items	Number of respondents	Percentage
1	Age		
	18-28	180	72%
	29-38		
	39-48	66	26.40%
	49- 58	4	1.60%
	Over 59		
2	Gender		
	Female	80	32%
	Male	170	68%
3	Education		
	Bachelors	29	11%
	Masters	161	64.00%
	M.Phil / MS	28	11.20%
4	Income		
	Less than PKR. 30000	67	26.80%
	PKR. 31000 -50000	113	45.20%
	PKR.51000 -70000	34	13.60%
	PKR. 71000 - 90000	18	7.20%
	More than PKR.91000	18	7.20%

Table 1: Demographic characteristics of the respondents.

No. of Items	Cronbach's Alpha
IBS1	0.702
IBS2	0.701
IBS3	0.763
IBS4	0.73
IBS5	0.701
IBS6	0.74
IBS7	0.725

Table 2: Internet Banking Services (TBS).

No. of Items	Cronbach's Alpha value
TBS1	0.721
TBS2	0.76
TBS3	0.772
TBS4	0.73
TBS5	0.717
TBS6	0.759

Table 3: Telephone banking services (TBS).

No. of Items	Cronbach's Alpha
ATMS 1	0.734
ATMS 2	0.707
ATMS 3	0.718
ATMS 4	0.717
ATMS 5	0.729
ATMS 6	0.709
ATMS 7	0.703

Table 4: Automated Teller Machine Services (ATM).

No. of Items	Cronbach's Alpha
OS 1	0.874
OS 2	0.858
OS 3	0.916
OS 4	0.858
OS 5	0.916
OS 6	0.858

Table 5: Overall Satisfaction (OS).

	N	Min	Max	Mean	Std. Deviation
Age	250	22	45	26.752	4.069
Gender	250	1	2	1.6	0.49088
Education	250	1	3	2.192	0.50214
Income	250	1	5	2.224	1.12913
Bank	250	1	5	3.312	1.32275
Visit	250	1	6	3.8	1.2321
ATMS	250	2.4	5	3.8848	0.49431
MBS	250	0	4.83	3.492	0.77164
IBS	250	1	4.57	3.4823	0.78647
OS	250	1.67	5	3.928	0.71209

Table 6: Descriptive analysis of study variables.

6.80%. these finding shows that the representative sample of the whole population in this study captured from different point of view people from a huge broad range of age group who had an average level of income and had well educated rational people who visit their bank many time in a month and expect a quality services from their banks [55-58].

Reliability of customer satisfaction

The Cronbach alpha coefficient value for customer satisfaction scale was found 0.818 with six items and this is satisfactory. So no item was deleted from this scale [59,60]. Effect on alpha value of this scale is shown in the following Table 5.

Descriptive statistics of demographics variables and four study variables are shown in Table 6. For n=250, minimum, maximum and mean values of each variable are presented along with standard deviations.

Correlation analysis

Correlation analysis commonly used to measure the level of relationship between all types of variables. Correlation show that how strongly the pairs of independent and dependent variables has been related to each other [61-63]. The value of this statistical tool ranges from -1 to +1. If relation is close to zero, that means there is no relation among the variables. If result shown positive relationship, it means that when the value of one variable increases then the value of other variable will also increases, and in term of negative relationship, if the value of one variable decreases the others will also decreases (it may be called as inverse relationship) [64,65].

Pearson Correlation matrix has been used to measure the inter relationship between the studied variables, table, shows the results of correlation analysis. All the results are briefly explained below. Correlation between ATM services and C is 0.412** that is significant at 0.01 levels. This value is showing that these two variables have significant and positive relationship with each other. The relationship between ATM services and customer satisfaction was found significant and positive [66-68]. The correlation of 0.583** is significant at 0.01 for these two variables. Correlation between mobile banking services and internet banking services is 0.443** that is significant at 0.01 levels. This value shows that these two variables MBS and IBS have significant and positive relationship with each other-as presented in Table 7. Correlation between mobile banking services and customer satisfaction was found 0.375** and it is significant at levels of 0.01. This value shows that these two variables MBS and OSF have significant and positive relationship with each other-as presented in Table 7. The relationship between internet banking services and customer satisfaction was found significant and positive. The correlation of 0.299** is significant at 0.01 for these two variables.

Regression results

The impact of automated services ATMs quality services, Mobile banking quality services and Internet banking quality services measured. Table 8 shows the results that all automated services are significantly affecting the customer satisfaction. Results shows that ATM services has a positive significant strong impact on customer satisfaction ($\beta=0.536$, $p<0.001$), Mobile banking services also effect the satisfaction ($\beta=0.405$, $p<0.001$) comparatively Internet banking services are also has a positive significant relationship with customer satisfaction ($\beta=0.316$, $p<0.001$). the results show that ATMS services has a strong effect on customer satisfaction as compare to Mobile baking and internet banking services.

The results of Regression for ATM Services, Mobile banking services and internet banking services to Customer Satisfaction are above. All the variables have a significant strong impact on customer satisfaction. So for the purpose of studying the impact of automated service on the customer satisfaction, we test the services separately. ATM services have the strongest impact on overall satisfaction, while the mobile services and internet services have comparatively low impact on the customer satisfaction [69].

Conclusion

The results have shown three main findings. First, it was found that

Variables	1	2	3	4
ATM Services	1			
Mobile banking services	0.388**	1		
Internet banking services	0.412**	0.443**	1	
Customer satisfaction	0.583**	0.375**	0.290**	1

** . Correlation is significant at the 0.01 level (2-tailed).

Table 7: Correlation analysis.

Customer Satisfaction Variables	Constant	β	R ²
ATMS	0.998	0.536**	0.24
MBS	0.989	0.405**	0.327
IBS	0.997	0.316**	0.379

**P<0.001

Table 8: Regression results.

automated service and traditional service quality (human interaction) both have direct significant effect on customer satisfaction. Second, the results find that an insignificant relationship between ATM services on customer satisfaction when moderated by Traditional Banking services, and directly this services play an important role to satisfy the customer. Thirdly, results found a strong positive significant association in Mobile banking services and internet banking services moderated by teller banking services.

The previous literature revealed that the importance of traditional services quality still an effective way of creating a strong marketing relationship. Furthermore, this study established that services quality in the traditional and automated banking context has a significant influence on customer satisfaction. So, to establish a long term relationship with customers by using only automated services is not an easy way because the quality matters with automated services cannot be put apart, and traditional service quality and automated services are not the alternative to each other but they are complementary to each other. An efficient way is that banks should first priority to improve the quality of direct personal interactions to counter for the associated risk and uncertainty then they should focus on the quality issue of automated services. So banks should never ignore the importance of direct face to face interactions, as the quality issue associated to automated services can drop the banks competitive edges and as will as affect the profitability. For this reason, the associated problems of quality issues with automated services should not be the only focus for the bank manager, it is very much essential to recognize the human factor in respect of quality services.

The managerial implication of this study indicates that banks should pay continuous attention in the training and development of their employees who have direct interaction with the valuable customers to improve the overall customer satisfaction. However, satisfaction with technological communication is an indispensable and a significant predictor of overall satisfaction. Bitner et al. [49] assert that offering both types of service encounters, technologically or interpersonally based, is critical to ensure the overall satisfaction of customers. Further, customers are contacting these service organizations through multiple channels so a plan for integrating service across channels is necessary.

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