



A Comparative Study of Customer Satisfaction towards E-Banking: With reference to Selected Public and Private Sector Bank, Mysuru City

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ABSTRACT

E-Banking is an innovative era in globalized stage and provides various electronic services such as Mobile Banking, Internet Banking, ATM services, Electronic Fund Transfer (EFT), Credit Cards and Electronic Clearing Services etc. Among all of these, ATM is the widely used and popular E-Banking services. This study aims at analyzing the satisfaction level of customers of Canara Bank and Axis Bank. The main objectives of the study is to highlight the theoretical background of E-banking services of public and private sector banks and examine the demographic profile of the respondents in public and private sector bank in Mysuru City and also to analyse the factors influencing and satisfaction level among the customer for adoption of E-banking Services in public and private sector bank in Mysuru City. The present study has been collected from primary data on the basis of issue of questionnaire, the sample size for study was only 75 respondents. For the purpose of analysis of data Chi- square tests and descriptive statistics is applied. The major findings of the study is there is no relationship between demographic variables of customer and E- banking services relates to public and private sector banks (Canara Bank and Axis Bank). Finally this study concludes that private banks are more accurate towards E-banking services compared to the public sector bank. Therefore public

sectors bank in particular improve their performance in order to provide better modernized E-banking services to the customers.

Key Words: E-Banking, Customer Satisfaction, Globalisation, Public and Private Sector Bank.

INTRODUCTION

In banking industry, E-services are at revolutionary stage. Electronic based banking is replacing conventional banking system. Now, trend in banking has evolved from cash economy to plastic card economy. Fierce competition among banks along with the global forces has compelled the banks to adopt the technological changes to face the electronic age. It is also known as E-banking or internet banking or online banking which provides various alternative electronic channels to using banking services i.e. internet banking, mobile banking, ATM services, electronic fund transfer, credit card, debit card, and electronic clearing services etc. Among these services, ATM is the main channel of distribution to be explored due to the increases in its popularity.

As per an Internet survey conducted by NASSCOM the Indian Internet market grew steadily in terms of subscribers. There is a growth of 78.50 per cent in March 2015 compared to the 1.1 million active subscriber bases in March 2001. The survey also forecasts that the number of Internet subscribers in the year 2015-16 is likely to reach 18.7 million, with the user base to grow over 50 million. India's Internet user base is growing at a rapid pace. India's Internet population grows to 10.7 million in March 2010 to 18.6 million in 2015. Banking and finance market has got the largest share i.e. 83.00 per cent among the other sectors of economy in using information technology. Thus there is a lot of scope for banking institutions to expand their Internet banking services to have a more sophisticated customer based banking Industry. The present study focused on comparative study on Canara Bank (public sector) and Axis Bank (Private sector) situated in Jayalakshmi Puram Branch, Mysuru City. Karnataka State.

An Overview of Canara Bank (Public Sector Bank):

The public sector banks means where majority stake is held by the Government of India or Reserve Bank of India. Canara Bank was founded by a great visionary and philanthropist, in July 1906, at Mangalore, then a small port town in Karnataka. The Bank has gone through the various phases of its growth trajectory over hundred years of its existence. Growth of Canara

Bank was phenomenal, especially after nationalization in the year 1969, attaining the status of a national level player in terms of geographical reach and clientele segments. Eighties was characterized by business diversification for the Bank. In June 2006, the Bank completed a century of operation in the Indian banking industry. The eventful journey of the Bank has been characterized by several memorable milestones. Today, Canara Bank occupies a premier position in the comity of Indian banks with an unbroken record of profits since its inception; Canara Bank has several firsts to its credit.

An Overview of Axis Bank (Private Sector Bank):

In case of private sector banks majority of share capital of the bank is held by private individuals. These banks are registered as companies with limited liability. Axis Bank Limited is the third largest private sector bank in India. Axis Bank's stake holders include prominent national and international entities. This bank is established on 1976. As of 31 Dec. 2015, approximately 46.80 per cent growth of the shares are owned by Foreign Institutional Investors. Promoters (UTI, LIC and GIC), who collectively held approx. 34.00 of the shares, are all entities owned and controlled by the Government of India. The remaining 23.00 shares are owned by corporate bodies, financial institutions and individual investors among others. The bank offers financial services to customer segments covering Large and Mid-Sized Corporate, MSME, Agriculture and Retail Businesses. Axis Bank has its registered office at Ahmedabad.

Finally the current study deals with the various aspects of banking sector and a comparison between various kinds of banks with regard to services, strategies and customer satisfaction level etc. E- Banking Technological innovations have been identified to contribute to the distribution channels of banks. The electronic delivery channels are collectively referred to as Electronic Banking. Electronic Banking is really not a technology, but an attempt to merge several different technologies. Bankers now see a kind of evolution in their business, partly, because the world has taken a quantum leap in the use of technologies in the last decadal years.

REVIEW OF LITERATURE:

Tater (2012), this study conducted on “Customer Adoption of Banking technology in Private Banks of India”. The study emphasizes the perception of Indian customers on the usage of technologies that enables them to adopt banking technology. The study indicates that there is a relation between benefits of banking services and increasing banking technology adoption. Customer’s unwillingness to use e-channel for commercial purpose decreases banking

technology adoption. in order to facilitate the promotion of e-banking services, bank managers should make systematic efforts in exploiting internet banking.

Doddaraju (2013), this study emphasized on “A Study on Customer Satisfaction towards Public and Private Sector Banking Services: with Special Reference to Anantapur District of Andra Pradesh” This paper makes an attempt to study customer service is an integral part of any organization it is necessary to identify the key success factors in terms of customer satisfaction. These paper mainly focus is done on whether private banks bring more satisfaction then public sector banks to the people residing in Anantapur District .

Verma(2014), this study conducted on “Measuring customer satisfaction towards ATM services-A Comparative study of union bank of India and Yes Bank” This study aims at analyzing the satisfaction level of customers of Union Bank of India and Yes Bank based on various aspects related to ATMs. In this study, data will be collect from the way of survey from bank customers and later on will be analyze by statistical technique and tools like Descriptive Statistics, Percentage Method, and Ranking Method. The conclusion would be interpreted accordingly to the respondents opinion relates to E- banking services.

Chandra(2015),this study was undertaken on” A Comparative Study of E-Banking in Public and Private Sector Banks with Special Reference to (SBI and HDFC)” The paper present the comparative study between the private sector banks and public sector banks in electronic banking in different cities. E –banking is the provision of banking service through electronic channels and the customer can access the data without any time and geographical limitation..This paper identified the how much electronic banking adoption in different Banks in Korba City.

Nandhini (2016), this study focused on Customer satisfaction towards online banking in Coimbatore district”. This paper examines the customer’s banking in Coimbatore district. From the analysis, it is ascertained that customer’s usage of online banking can be known through friends, relatives or through bank employees. This current study helps us to know about the online banking and the uses as it minimize the work of customers compared to the traditional banking systems.

OBJECTIVES OF THE STUDY:

The major objectives of the study are as follows:

1. To highlight the theoretical background of E-banking services of public and private sector banks in India.

2. To examine the demographic profile of the respondents in public and private sector bank in Mysuru City.
3. To analyse the factors influencing for adoption of E-banking Services among the customer in public and private sector bank in Mysuru City.
4. To assess the customer satisfaction level regarding E-banking Services in public and private sector bank in Mysuru City.
5. To offer findings and suggestions in the light of the study.

HYPOTHESES FOR THE STUDY:

The study is based on the following hypotheses.

- (i) There is no significant difference between customers satisfaction toward E-banking Services and demographical factors such as(age, gender, qualification, income level, occupation)

RESEARCH METHODOLOGY:

The present study has been collected from both primary and secondary sources. The primary data was collected by on the basis of issue of questionnaire, The study area has been identified one public sector and one private sector bank namely, Canara Bank and Axis Bank both banks situated in Jayalakshmi puram branch in Mysuru city. The questionnaire was designed and contained several questions for collection of data from the customers. The overall sample size for study was only 75 respondents, out of those 35 respondents were selected from Canara Bank and 40 respondents from Axis Bank. The method of sampling used is Random sampling. The secondary data was collected from related research publications in books, journals, periodicals, dailies and reports available on the chosen topic. And also internet was used to collect information on the theoretical background of customer satisfaction towards E- banking services. The data drawn from various sources are analyzed with the help of statistical tools and techniques such as Chi- square tests, descriptive statistics such as mean, standard deviation and co-efficient of variation.

ANALYSIS AND INTERPRETATION:

❖ Demographic Profile of the Respondents:

Table No.1 represents the demographic profile of respondents of the respondents in public and private sector bank. The overall respondents were numbering, 75 customers out of

that 35 respondents are from Canara Bank and 40 respondents from Axis Bank. Majority of the respondents numbering, 12 and 15 customers belongs to age group of less than 30 years in both public and private sector respectively. In the context of gender profile majority numbering, 20 and 23 customers are male in public and private sector bank respectively this shows male customers used more E- banking services compared to the female respondents. Further the educational background of the respondents majority numbering, 18 and 16 respondents were post graduates using more E- banking services in public and private sector bank. Around 11 and 13 respondents were working in private employees they used more E- banking services in public and private bank sector. In the context of income level of the customers, Majority numbering, 14 and 19 respondents were belongs to income level of above 30000 rupees it shows more income level of the respondents they used more E- banking services in both public and private bank sector. Further the awareness about the E- banking services, majority 28 and 31 respondents were fully aware of E- banking services in both public and private sector bank.

To calculate, chi –square test for data of age pattern of the table value of χ^2 for 5 degrees of freedom at 5% level of significance is 5.991 comparing calculated χ^2 value is 3.36 in public sector and 0.7491 in private sector bank. Therefore the χ^2 value is less than p value hence H0 is accepted, the result is not significant at $P > 0.05$. In the context of gender profile of the respondents, the table value of χ^2 for 5 degrees of freedom at 5% level of significance is 3.841 comparing calculated χ^2 value is 0.714 in public sector and 0.90 in private sector bank. Therefore the χ^2 value is less than p value hence H0 is accepted, the result is not significant at $P > 0.05$.

Table No.1
Demographic Profile of the Respondents

SI. No.	Particulars	Frequency		Chi-Square		P-Value		Hypothesis(H0)	
		Public	Private	Public	Private	Public	Private	Public	Private
1.	Age Pattern:								
	a) Less than 30 years	12	15						
	b) Between 30-40 years	09	14	3.36	0.7491	5.991	5.991	H0	H0
	c) Above 40 years	06	11					Accepted	Accepted
	Total	35	40						
2.	Gender:								
	a) Male	20	23	0.714	0.90	3.841	3.841	H0	H0
	b) Female	15	17					Accepted	Accepted
	Total	35	40						
3.	Educational Background:								
	a) Under graduation	07	10						
	b) Graduation	10	14	5.545	1.697	5.991	5.991	H0	H0
	c) Post Graduation	18	16					Accepted	Accepted
	Total	35	40						
4.	Occupation:								
	a) Private employee	11	13						
	b) Government employee	07	09	1.171	1.56	7.815	7.815	H0	H0
	c) Self – Employed	08	06					Accepted	Accepted
	d) Professional	10	12						
	Total	35	40						
5.	Income Level:								
	a) Less than 15000.	09	06						
	b) Between 15000 to 25000.	12	15	1.0863	7.244	5.991	5.991	H0	H0
	c) Above 35000	14	19					Accepted	Rejected
	Total	35	40						
6.	Awareness about E-Banking:								
	a) Fully aware								
	b) Somewhere aware	28	31	12.6	12.10	3.841	3.841	H0	H0
	Total	35	40	-	-	-	-	-	-

Source: Field Survey.

Further the data of educational profile of the respondents, the table value of χ^2 for 5 degrees of freedom at 5% level of significance is 5.991 comparing calculated χ^2 value is 5.545 in public sector and 1.697 in private sector bank. Therefore the χ^2 value is less than p value hence H_0 is accepted, the result is not significant at $P > 0.05$. In the context of occupation profile of the respondents, the table value of χ^2 for 5 degrees of freedom at 5% level of significance is 7.815 comparing calculated χ^2 value is 1.171 in public sector and 1.56 in private sector bank. Therefore the χ^2 value is less than p value hence H_0 is accepted, the result is not significant at $P > 0.05$. Further the data of Income level of the respondents, the table value of χ^2 for 5 degrees of freedom at 5% level of significance is 5.991 comparing calculated χ^2 value is 1.0863 in public sector. Therefore the χ^2 value is less than p value hence H_0 is accepted, the result is not significant at $P > 0.05$. In the context of private sector bank calculated χ^2 value is 7.244. therefore the χ^2 value is more than p value hence H_0 is rejected, the result is significant at $P < 0.05$. In the context of awareness about E- banking services of the respondents, the table value of χ^2 for 5 degrees of freedom at 5% level of significance is 3.841 comparing calculated χ^2 value is 12.6 in public sector and 12.10 in private sector bank. Therefore the χ^2 value is more than p value hence H_0 is rejected, the result it is significant at $P < 0.05$.

❖ **Factors Influencing for adoption of E-banking Services:**

Table No.2 depicts the factors influencing for adoption of E- banking services. According to descriptive statistics, the highest mean of 12.85 in public sector bank and 14.57 in private sector bank its indicates compared to public sector banks, private sector bank it's very easy to operate E- banking services. As against the lowest mean are 1.42 and 2.85 in public and private sector banks respectively. it denotes that quick responses for fails entry e- banking factor is more accuracy in private sector banks compared public sector banks. The standard deviation recorded around 3.80 to 5.26 in public sector banks and in the case of private sector banks recorded 5.81 to 2.74 considered all the factors shows public sector bank is less efficiency provides E- banking services compared to the private sector banks. The co-efficient of variance of factors influencing towards e- banking service, among easy to operate having category was lowest 29.58% in public sector bank and the factor of easily located ATMs having category was lowest 14.36% in private sector bank indicating the lower co-efficient of variation is better. From the below analysis shows that majority or more number of customer they influenced several factors to adopt e-

banking services in Private Sector Bank(Axis Bank) compared to the Public Sector Bank (Canara Bank) in Mysuru city.

Table No. 2
Factors Influencing for adoption of E-banking Services
(Descriptive Statistics)

SI. No	Variables	Public Sector Bank (Canara Bank)			Private Sector Bank (Axis Bank)		
		Mean	S.D	CV	Mean	S.D	CV
1.	Easy to operate	12.85	3.80	29.58%	13.14	5.81	44.23%
2.	High Speed and accuracy	10.42	4.72	45.26%	14.57	6.87	47.18%
3.	Faster transaction process	3.01	2.76	92.26%	2.14	3.07	14.36%
4.	Safety & security	7.28	2.21	30.39%	5.42	3.69	67.98%
5.	Quick responses for fails entry	1.42	1.39	97.82%	2.85	2.34	81.90%
6.	24/7 services to the customer	8.63	2.96	34.33%	6.84	3.45	88.96%
7.	Easily located ATMs	11.25	5.26	46.75%	3.08	2.74	12.40%
Total		51.85	23.01	-	48.04	27.98	-

Source: Primary Data.

❖ Customer satisfaction level regarding E-banking Services:

Table No.2 indicates the customer satisfaction level regarding E- banking services a comparison of public and private sector bank. Majority of the respondents has agreed with all statements pertaining to customer satisfaction level regarding E- banking services. According to descriptive statistics, the highest mean of 10.87 in public sector bank and 14.50 in private sector bank indicated compared to public sector banks, private sector bank customer are more satisfied of internet banking services. As against the lowest mean is 3.37 in public sector bank customers are not satisfied with credit card and debit card facilities. In the context of private sector bank have the lowest mean is 2.37 this results shows that customers are not satisfies with PC banking facilities. The standard deviation recorded around 4.94 to 2.76 in public sector banks and in the case of private sector banks recorded 6.56 to 2.81. It is considered all the mentioned variables related to E- banking services private sector banks customers are more satisfied compared with customers of public sector bank. The co-efficient of variance of customer satisfaction level regarding e- banking service, among mobile banking service category was lowest 25.71% and the 24.54% in public and private sector bank respectively. These indicating the lower co-efficient of variation is better. Therefore private sector bank provide better E- banking customer services compared to the public sector Bank in Mysuru City.

Table No.3
Customer satisfaction level regarding E-banking Services
(Descriptive Statistics)

SI. No .	Variables	Public Sector Bank (Canara Bank)			Private Sector Bank (Axis Bank)		
		Mean	S.D	CV	Mean	S.D	CV
1.	Internet banking services	10.87	4.94	45.42%	14.50	6.56	45.29%
2.	Mobile banking services	10.75	2.76	25.71%	13.50	3.85	24.54%
3.	PC banking services	3.87	2.79	72.23%	2.37	1.50	63.36%
4.	ATM facility	6.12	2.99	48.93%	6.25	3.69	59.08%
5.	Credit card & debit card Facility	3.37	1.76	52.35%	3.38	2.06	61.18%
6.	Booking of E-Ticketing	9.36	5.96	63.67%	10.62	4.83	45.48%
7.	Electronic fund Transfer	8.94	2.98	33.33%	9.78	3.76	38.44%
8.	Request Facility	4.82	2.76	57.26%	8.96	2.81	31.36%
Total		58.1	26.94	-	69.35	29.06	-

Source: Primary Data.

FINDINGS OF THE STUDY:

The following are the major findings of the study:

- The overall respondents were numbering 75 customers out of that 35 respondents were from canara bank and 40 respondents from axis bank. Majority of the respondents numbering, 12 and 15 customers belongs to age group of less than 30 years both public and private sector respectively.
- In the context of gender profile majority numbering, 20 and 23 customers are male in public and private sector bank respectively this shows male customers used more E- banking services compared to the female respondents.
- Further the awareness about the E- banking services, majority 28 and 31 respondents were fully aware of E- banking services in both public and private sector bank.
- The highest mean of 12.85 in public sector bank and 14.57 in private sector bank indicates compared to public sector banks, private sector bank it's very easy to operate E- banking services.
- The standard deviation recorded around 3.80 to 5.26 in public sector banks and in the case of private sector banks recorded 5.81 to 2.74 considered all the factors shows public sector bank is less efficiency provides E- banking services compared to the private sector banks.
- The co-efficient of variance of factors influencing towards e- banking service, among easy to operate having category was lowest 29.58% in public sector bank

- In the context of customer level of satisfaction ,the highest mean of 10.87 in public sector bank and 14.50 in private sector bank its indicates compared to public sector banks, private sector bank customer are more satisfied internet banking services.
- .The standard deviation recorded around 4.94 to 2.76 in public sector banks and in the case of private sector banks recorded 6.56 to 2.81.
- The co-efficient of variance of customer satisfaction level regarding e- banking service, among mobile banking service category was lowest 25.71% and the 24.54% in public and private sector bank respectively.

SUGGESTIONS FOR THE STUDY:

The following are the suggestion for the study:

- ❖ Public sector banks need to do hard efforts to retain their customers according to the findings. These banks can cut some service charges & be more responsible & responsive for their services.
- ❖ Addressing to the individual customer needs is one crucial aspect to be considered, as the customer would find himself as a part of the organization. This would build a good relationship between the bank and the customer.
- ❖ Both private and public sector bank customers prefer electronic banking, mobile banking and internet banking. So, the bank will apply facilities for all people as soon as possible.
- ❖ Customer queries should be opened in order to avoid mistake and also the separate counters should be allotted for providing passbook and collection of cheque to render faster services to the customers.
- ❖ Online banking is a technological advancement, which no one can wish away. But there needs to be sufficient safeguards to protect the interest of the customers.
- ❖ The private sector banks need to improve the level of transparency and also the level of safety and security of online transactions, since some of the customers are skeptical about the level of confidentiality of their transactions.
- ❖ The banks need to provide more information pertaining to the use and utility of online banking among the customers, since it will help them in cutting down their
- ❖ The public sector banks can improve their quantity of quality of services, as far as online banking activities are concerned, since they lack behind the private sector banks in this segment in the banking industry.

CONCLUSION:

In the competitive era customer satisfaction is considered to be the most important thing in banking industry. So the bankers are in the position to adapt to the information technology to change the way of service to attract customers and increase their satisfaction level. This study provides information about online banking and their services methodology, design and validation of questionnaire and factor analysis were used to enhance the reliability and accuracy of the research findings. Finally this study concludes customers are more satisfied with private sector banks are more accuracy and speed towards E-banking services compared to the public sector bank. but in the ATMs services public sector banks easy available to the customer every 3 km canara bank will be situated provide better services, but Axis bank ATMs situated every 8 Km. its hurdle thing customers to get axis bank ATMs. Therefore public sectors and private sector bank are both improve their performance in order to provide better modernized E- banking services to the customers in Mysuru District.

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