



# Navigating The Digital Frontier: An In-Depth Analysis Of Customer Satisfaction With E-Banking Services In Private Sector Banks Of Preambular District

Kusuma G S<sup>1\*</sup>, Dr. Kanagaraju P<sup>2</sup>

<sup>1\*</sup>Research Scholar, PG & Research Department of Commerce, Bishop Heber College (Autonomous) Affiliated to Bharathidasan University, Tiruchirapalli-17, Tamilnadu, India E-mail-kusumags1984@gmail.com

<sup>2</sup>Assistant Professor, PG & Research Department of Commerce, Bishop Heber College (Autonomous) Affiliated to Bharathidasan University, Tiruchirapalli-17, Tamilnadu, India

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## ARTICLE INFO

## ABSTRACT

**Introduction:** The portion of the study provides an overview of electronic banking provisions that navigates in the sectors of the Preambular region. Accordingly, graphical analysis shows that the usage of E-banking has risen from 78% which was in the year 2019 to 80% which was in the year 2020 significantly.

**Literature review:** This portion of the study have demonstrated various relevant factors that are associated with the research objectives in account of the possible outcomes. The major efficient prodigies such as customer experience, regulating compliances and the use of predictive analysis have been versed. From the section, it has been derived that banking services are well understood by making more investment practices.

**Methodology:** The methodology comprises of the use of primary research method along with the analysis of the data that has been collected from a total of 55 participants. Furthermore, the analysis was processed by evaluating the relationship sources and descriptive practices, ANOVA and regression significantly.

**Findings and analysis:** From the research findings, it has been driven the significant practices of quality practices have served e-banking service is 1 and the larger value is 5. The worth of standard deviation is 1.145 for the relevant practices as per the qualitative practices of the customer's service of the district. The significant value indicates a high expectancy of the digital service.

**Discussion:** This section of the study states the overall factors that are associated with the learning sources and provides a clear explanation of the entire planning and resource services based on the steadfast growth of online banking

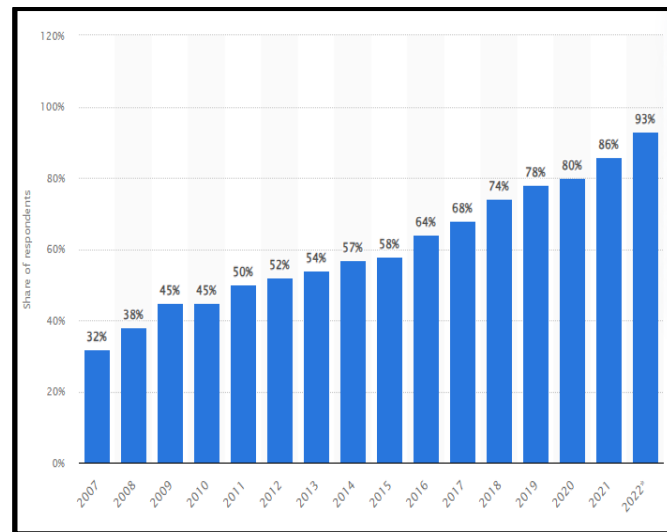
**Conclusion:** From this section, it has been found out that the growth of Internet banking, the customer demand for skilful banking resources can be generated in higher sections in the Preambular District.

**Keywords:** E-banking, consumer demand, electronic banking risks, service quality, security services

## Introduction

Banking institutions have formed an indispensable part of the developing society. Electronic banking involves the practice of initiating the plans that are operated for economic development. It plays a pivotal role in building a significant role in the areas of the Preambular District that demonstrate the requirements of millions of people to transverse the quality of the economy. As stated by Ahmed & Sajid (2019), the era of the Internet has facilitated banking services with enormous sources such as accepting deposits online and granting loans respectively. In addition, the services have stabilized the qualitative practices based on banking services that are easily reachable and customer-friendly. The accumulation of quality sources is carried out in the form of technology which has a major significance in the area of learning. According to the views Parveen et al. (2023),

losing the greatness of the e-banking by 50% is not suitable for in installing the banking services in a significant manner.



**Figure 1: Rise in E-banking by the customers from 2007 to 2022 (Statista, 2023)**

From the above graphical analysis, it can be demonstrated that, with the multiverse technological benefits, customers have well-accepted e-banking services. In the years 2016 and 2017, there was a low demand for the e-banking services which was 64% and 68% respectively. The usage of E-banking has risen from 78% which was in the year 2019 to 80% which was in the year 2020 (Statista, 2023). Banking and financial services are well-valued among the banking and industrial sectors of the Preambular District. Moreover, it is found that the penetration of digital frontiers has ignited the use of valuable banking resources to acknowledge the contemporary form of Internet activities. Similarly, in the years 2021 and 2022, the demand for E-banking was raised to 86% and 93% respectively. As opined by Almansour & Elkrggli (2023), internet disruption has been reduced by the wider practices of valid internet facilities that are based on the servicing concept to initialize the course of immediate actions. The characteristics of the banking services have quite subjective and organized policies to analyze the quality services and provide a distinctive course of actions. In addition to that, the banking ideologies have stabilized the banking distortions and are well manageable.

In a competitive marketplace, where the economy stands still due to the business activities is due to the significant changes that have taken place in the banking sectors of the district. According to the perspectives by Ayinaddis et al. (2023), electronic banking has customized the global implications to foster the practice of significant practices based on various banking activities that have successfully raised the frequency of usage of E-banking. It has stabilized the course of possibilities to centralize the factorial services based on their respective course of learning. In addition to that, the dimensions of banking have been responsive to the various dimensions and efficiencies based on the significant factors to reach a large number of customers who are convulsive in reliable services significantly.

### Aim

The study aims to navigate the significance of e-banking services in raising the satisfaction of customers in Private Sector Banks of the Preambular District.

### Research objectives

- RO1:** To identify the major efficiencies of e-banking services that satisfies customer demands
- RO2:** To evaluate the frequency of using internet banking to understand the course of banking services
- RO3:** To demonstrate the factors that determines customers' choice of e-banking services
- RO4:** To illustrate the risk factors that is associated with e-banking services

### Research questions

- RQ1:** What are the major efficiencies of e-banking services that satisfy customer demands?
- RQ2:** What is the frequency of using e-banking to understand the course of baking services?
- RQ3:** What are the factors that determine customers' choice of e-banking services?
- RQ4:** What are the risk factors that are associated with e-banking services?

### Hypothesis

- H1:** There is a significant correlation and customer services and internet banking.
- H2:** There is relevant relationship between the security of internet banking services and customer benefits.
- H3:** There is a positive linkage between the impacts of internet banking services on customer satisfaction.

**Literature review**

**Identifying the major efficiencies of e-banking services that satisfy customer demands**

The technological reimbursements have established the rate of qualitative practices in terms of examining the credibility level of the banking conditions. The continuous development of banking services has helped customers to get rid of haphazard banking tasks and to initiate better and more productive transactions easier. As opined by Balaji (2021), retaining and attracting customers have made it easier to maintain investments and banking strategies. The quality of e-services provides a better course of action that is understood and associated with the significant practice of learning. It has helped customers to make their transaction process easier and later on to easily rely on the services that are backed by enormous banking services and protocols.

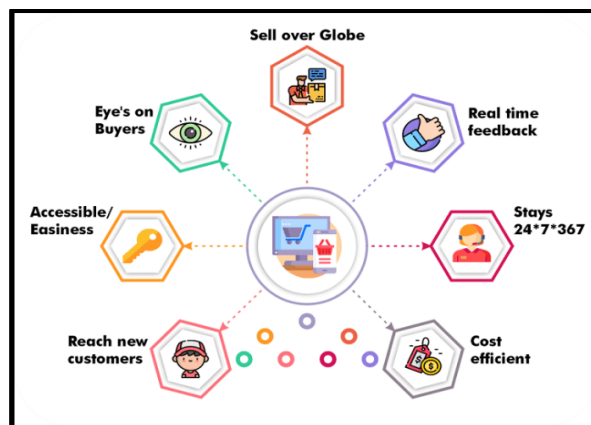


**Figure 2: Major efficiencies of e-banking services**  
(Source: Dhanya & Vinothkumar, 2023)

The above figure illustrates the significant efficiencies of e-banking that are associated with cyber security and effective detection practices. Through the implication of AI and Chatbots, the bank can easily detect any sort of illegal and nuisance activities that may cause harm to the banking practices of the customers (Dhanya & Vinothkumar, 2023). Moreover, tracking marketing trends and regulating compliance with predictive analysis have stabilized the growth rate of customer services effectively. The verses of banking sources have evaluated the data collection and analysis process regarding the banking services to get a wholesome result regarding the conveniences and customer experiences.

**Frequency of using e-banking to understand the course of banking services**

Banking services have been highly benefitted by the professional use of the internet as well as distinctively channelize the system. According to the perspectives by Halim et al. (2023), the banking sectors have adopted the vital use of internet services that have increased the working pace as well as attracted customers for more investment practices. In addition to that, internet banking is an effective tool that is operated widely and associated with learning practices to develop the economic services of the Preambular District.

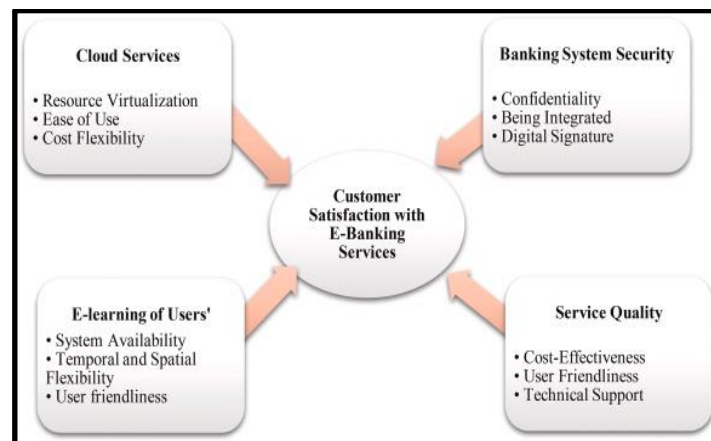


**Figure 3: E-banking to understand the course of banking services**  
(Source: Ighomereho et al. 2023)

From the above diagram, it can be derived that, the use of the Internet has increased the rate of customer reach by introducing new ideas of learning and demonstrating real-time benefits that are based on the wide source of possibilities. As per the views by Khan et al. (2023), banking services have provided enough time and accessibility to earn the basic needs and protocols to stay 24\*7 hours active and to provide service to the customers. Moreover, its cost-effectiveness has initiated better ideas and resources for the customers who can easily rely on the management protocols and take quick action when necessary. The inclusion of Internet banking has gained enormous importance around the globe which is why the eyes of customers are mainly on the banking values that are based on operational protocols. As opined by Madavan & Vethirajan (2020), mobility in operations has made it convenient and is served with additional free services. This has initiated the practice of assumptions to integrate the practice of global initiatives.

### Factors determining the customers' choice of online banking services.

Determining people to be understanding as per the existence and addressing them at specific times are significant in terms of initiating the practice of factors that are based on resource virtualization. As opined by Pawar et al. (2023), the concept of a banking security system has withdrawn integration services, the facility of digital signature as well as maintaining confidentiality that will evaluate the fidelity of the banking services that are associated with customer satisfaction services. The security services has the capability to manage and hold situations in terms of keeping the security system constant. Meanwhile, the service quality gets better with every action statement as well as there is a change in the practice of internet banking.

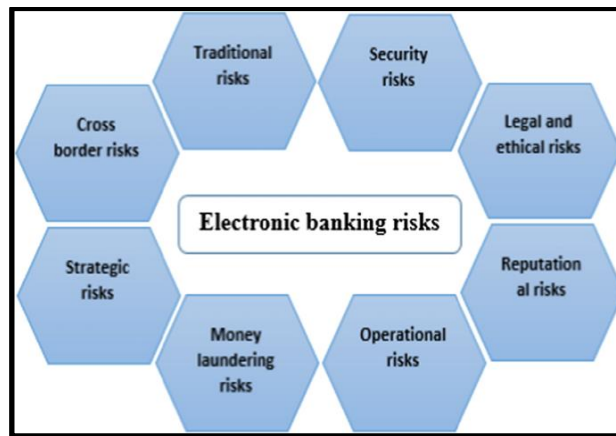


**Figure 4: Factors determining the customers' choice of e-banking services**  
(Source: Parveen et al. 2023)

The above diagram demonstrates the various factors that are associated with integrated digital practices in terms of associating with the various courses of possible actions and effective banking services to generate global roles and possibilities that are based on temporal and spatial flexibilities. As stated by Rajasulochana (2022), technical support has mitigated the loopholes in the banking industries as well as initiated the idea of system availability. Incubating the factors, the collateral damage of the monetary segments are managed by the cloud servicing in which the flexibility level is high and the mechanism gets a steadfast pace that rises up gradually. Therefore, the act of reforming the significant factors has initiated the use of cloud services that indulge in various productive practices to qualify the practice of internet banking association programs in a significant manner.

### Illustrating the risk factors that are associated with e-banking services

Security of transactions is the most important aspect of understanding the course of possibilities that are linked with various risk factors. Among that security risk is the biggest issue that is often meant to be generated from unauthorized access to websites and hacking. According to the ideas by Raut et al. (2023), the hindrance to security services is often followed by reputational risks that hold onto the various indispensable practices affecting the customers' confidence level. This affects the authenticity rate of the banking protocols as well as account information that has no successful updates. Moreover, authenticity is marked by effective banking services which are less susceptible to the banking ideologies (Tahtamouni, 2023). Eventually, the liabilities get affected thereby addressing the lack of occupational and legal aspects that are highly affected by the electronic risks in banking services.



**Figure 5: Risk factors associated with e-banking services**  
 (Source: Sardana & Bajpai, 2020)

The risk of money laundering is probably high in Internet banking as it has jargon sources that are influenced by the operational risks due to inaccurate processing and the availability of innumerable yet unnecessary sources. As per the views by Sardana & Bajpai (2020), the idea of internet banking validation is wider and the significance of banking credibility is less considered. The concept of electronic dysfunction has idolized the risk factors in a wider manner. In addition to that, clarifying the banking risks can lead to the growth of major resource plans and ideas that are capable of effective functioning. With the advancement of the internet, the intrusion of viruses is a major problem (Tomar, 2023). Therefore, the conditioning values are always in a situation in which the consumers find it difficult to acknowledge the growth rate of their transaction values predominantly.

**Methodology**

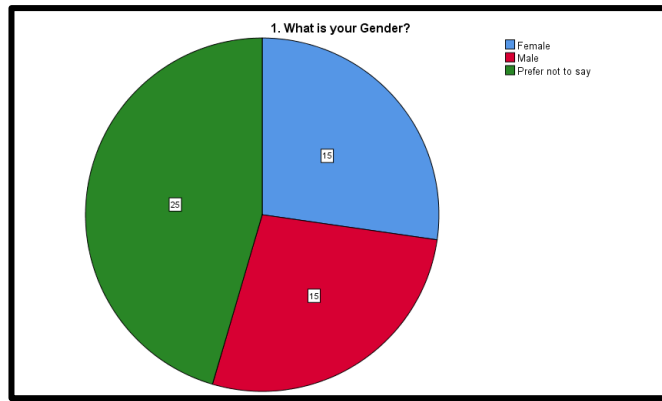
Research methodology is the process of analyzing the data collection process and maintaining the quality of the study that is associated with the practice of effective data collection process. The methodology focuses on the following steps that are based on proper and indent functional values in terms of analyzing the research services to understand the quality of the data sets and findings. According to Shanmugam & Chandran (2022), the method used in analyzing the research method is the primary quantitative method. This has developed consistent action practices in fostering the contemporary practices that generate the data sets by collecting data from 55 participants. The data was collected by the survey method based on the primary factors and information to address the significance of the influence of e-banking services on customer demand. Additionally, the responses were analyzed by implementing the SPSS software, thereby making it easier and more effective to associate with the consistent data sets. Quantitative analysis is regarded as one of the most significant methods that provide relevant information regarding the benefits and loopholes of Internet banking. As opined by Singh (2020), the examination of the results is based on the data sets that are obtained during the analysis. The questionnaire comprises three demographic questions and 10 variables to find out the relationship between the benefits of e-banking and the consumer’s demand. The collected data are meant to be kept confidential and the consent was taken from the subjects in terms of avoiding leaking of personal information. The participants are asked to provide answers one by one based on their respective choice which later on helps in carrying out the results relatively. Further, the analysis comprises descriptive analysis, correlation analysis, ANOVA analysis, regression analysis and other significant factors that are in high demand.

**Finding and Analysis Gender**

**Table 2: Frequency of gender**

		1. What is your Gender?			
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Female	15	27.3	27.3	27.3
	Male	15	27.3	27.3	54.5
	Prefer not to say	25	45.5	45.5	100.0
Total		55	100.0	100.0	

(Source: IBM SPSS)



**Figure 6: Frequency of gender**  
(Source: IBM SPSS)

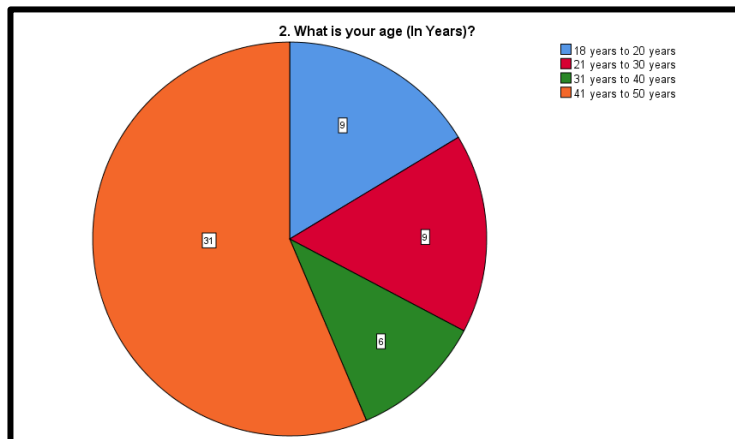
The above figure displays properly the valid percent of the people who are male and participate in the survey is 27.3% among the other people and the percentage of the people of female is also 27.3%. The people who do not prefer to say their gender is 45.4%. Therefore, it is clear that people who do not want to disclose their gender are highest.

**Age**

**Table 1: Table of age frequency**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	18 years to 20 years	9	16.4	16.4	16.4
	21 years to 30 years	9	16.4	16.4	32.7
	31 years to 40 years	6	10.9	10.9	43.6
	41 years to 50 years	31	56.4	56.4	100.0
Total		55	100.0	100.0	

(Source: IBM SPSS)



**Figure 7: Age specification**  
(Source: IBM SPSS)

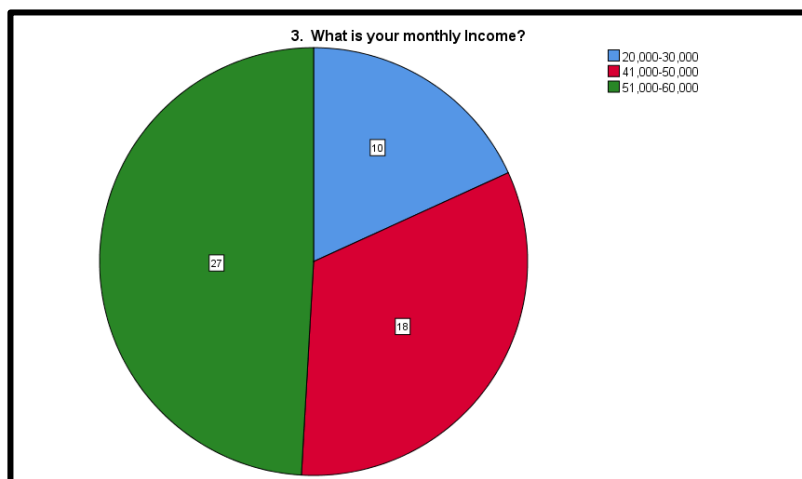
Figure 7, shows that the frequency of the percentage of the age of the people who are contributed in the survey. The fraction of the people from the age group 18 to 20 is 9% and the ratio of the people of the age group 41 to 50 is 56.4%. Therefore, the people between 31 to 40 are lowest in the survey.

**Monthly income**

**Table 3: Monthly income specification**

3. What is your monthly Income?					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	20,000-30,000	10	18.2	18.2	18.2
	41,000-50,000	18	32.7	32.7	50.9
	51,000-60,000	27	49.1	49.1	100.0
Total		55	100.0	100.0	

(Source: IBM SPSS)



**Figure 8: Monthly income specification**  
(Source: IBM SPSS)

The above demographic analysis shows that the involvement of the people, it can be settled that the proportion of the people with the monthly income 20000 to 30000 are of the percentage 10% and 51000 to 60000 is 27%. Hence, the person with high monthly income is the most rated participated in the survey.

**Analytical functioning**  
**Analysis of descriptive statistics**

Descriptive Statistics									
	N	Minimum	Maximum	Mean	Std. Deviation	Skewness		Kurtosis	
	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic	Std. Error	Statistic	Std. Error
IV1.1	55	1	5	4.20	1.145	-1.330	.322	1.100	.634
IV1.2	55	1	5	2.29	1.595	.866	.322	-.861	.634
IV1.3	55	1	3	1.80	.989	.420	.322	-1.894	.634
IV2.1	55	1	5	4.35	.947	-2.386	.322	6.633	.634
IV3.3	55	1	5	2.58	1.618	.610	.322	-1.261	.634
DV	55	1	5	3.75	1.530	-1.097	.322	-.394	.634
Valid N (listwise)	55								

x

**Figure 9: Descriptive statistics**  
(Source: IBM SPSS)

The above tabular analysis is about the impact of the digital frontier on the improvement of the e-banking service of Preambular District. It is apparent that the qualitative sources of e-banking service are 1 and the maximum value is 5.

The value of standard deviation is 1.145 the clarification of the quality of the customer’s service of the district. The significant value indicates the high association with the digital service.

### Hypothesis 1

Model Summary <sup>a</sup>										
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics				Durbin-Watson
						F Change	df1	df2	Sig. F Change	
1	.520 <sup>a</sup>	.270	.257	1.319	.270	19.644	1	53	.000	1.381

a. Predictors: (Constant), IV1  
b. Dependent Variable: DV

ANOVA <sup>a</sup>						
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	34.190	1	34.190	19.644	.000 <sup>b</sup>
	Residual	92.247	53	1.741		
	Total	126.436	54			

a. Dependent Variable: DV  
b. Predictors: (Constant), IV1

Coefficients <sup>a</sup>						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	6.664	.662		9.770	.000
	IV1	-.695	.157	-.520	-4.432	.000

a. Dependent Variable: DV

**Figure 10: Regression of H1 (Source: IBM SPSS)**

The above regression evaluation of hypothesis 21 it has been evaluated that the value of the R square is 0.270 and thus the value is nearer to 1. The regression value nearly equals to 1 signifies a relevant and complete reliance of the variable which is dependent in nature. The value of the residual is 92.247 and this is a high value which indicates the impact of e-banking on the growth of the district.

### Hypothesis 2

Model Summary <sup>a</sup>										
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics				Durbin-Watson
						F Change	df1	df2	Sig. F Change	
1	.648 <sup>a</sup>	.602	-.017	1.543	.602	.087	1	53	.769	1.368

a. Predictors: (Constant), IV2  
b. Dependent Variable: DV

ANOVA <sup>a</sup>						
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.207	1	.207	.087	.769 <sup>b</sup>
	Residual	126.230	53	2.382		
	Total	126.436	54			

a. Dependent Variable: DV  
b. Predictors: (Constant), IV2

Coefficients <sup>a</sup>						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	4.829	.966		4.987	.000
	IV2	-.265	.222	-.040	-.295	.769

a. Dependent Variable: DV

**Figure 11: Regression of hypothesis 2 (Source: IBM SPSS)**

The above figure shows that the value of the normalized coefficients of the CS is -0.040. The significant value of the coefficient practices is 1.543. the values are calculated as relevant which is set as 1 and designates that there is a robust relationship between the increments of the satisfaction level of the customers to the implementation of high technology in the banking sectors. The value of sum of the squares is 126.230 and this is the high value.

### Hypothesis 3

Model Summary <sup>a</sup>										
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics				Durbin-Watson
						F Change	df1	df2	Sig. F Change	
1	.333 <sup>a</sup>	.111	.094	1.456	.111	6.607	1	53	.013	1.541

a. Predictors: (Constant), IV3,2  
b. Dependent Variable: DV

ANOVA <sup>a</sup>						
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	14.014	1	14.014	6.607	.013 <sup>b</sup>
	Residual	112.422	53	2.121		
	Total	126.436	54			

a. Dependent Variable: DV  
b. Predictors: (Constant), IV3,2

Coefficients <sup>a</sup>						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	4.653	.404		11.517	.000
	IV3,2	-.294	.114	-.333	-2.570	.013

a. Dependent Variable: DV

**Figure 12: Regression of hypothesis 3 (Source: IBM SPSS)**



The above figure of the hypothesis indicates that the changeable value of the R squares for the DV and IV3.2 is 0.111. The value is less than 0.5 and this indicates the less effectiveness of the diversity in the banking industries on the growth of the business.

**Correlation test**

		Correlations					
		IV1.1	IV1.3	IV2.2	IV3.1	IV3.3	DV
IV1.1	Pearson Correlation	1	-.275 <sup>*</sup>	.466 <sup>**</sup>	-.570 <sup>**</sup>	.096	-.520 <sup>**</sup>
	Sig. (2-tailed)		.042	.000	.000	.486	.000
	N	55	55	55	55	55	55
IV1.3	Pearson Correlation	-.275 <sup>*</sup>	1	-.784 <sup>**</sup>	.316 <sup>*</sup>	.028	.088
	Sig. (2-tailed)	.042		.000	.019	.840	.522
	N	55	55	55	55	55	55
IV2.2	Pearson Correlation	.466 <sup>**</sup>	-.784 <sup>**</sup>	1	-.619 <sup>**</sup>	.332 <sup>*</sup>	.104
	Sig. (2-tailed)	.000	.000		.000	.013	.451
	N	55	55	55	55	55	55
IV3.1	Pearson Correlation	-.570 <sup>**</sup>	.316 <sup>*</sup>	-.619 <sup>**</sup>	1	-.217	-.110
	Sig. (2-tailed)	.000	.019	.000		.112	.426
	N	55	55	55	55	55	55
IV3.3	Pearson Correlation	.096	.028	.332 <sup>*</sup>	-.217	1	-.104
	Sig. (2-tailed)	.486	.840	.013	.112		.452
	N	55	55	55	55	55	55
DV	Pearson Correlation	-.520 <sup>**</sup>	.088	.104	-.110	-.104	1
	Sig. (2-tailed)	.000	.522	.451	.426	.452	
	N	55	55	55	55	55	55

\*. Correlation is significant at the 0.05 level (2-tailed).  
 \*\*. Correlation is significant at the 0.01 level (2-tailed).

**Figure 13: Correlation**  
 (Source: IBM SPSS)

The correlation value of the IV13.1 and the DV is -.110 and the negative correlation value designate the less linking of the gender bias to the improvement of the banking quality of the district of Tamil Nadu. The value of the IV2.2 and DV in the correlation test is 0.104 which indicates the relation between the IV and DV.

**Discussion**

With the embankment of globalization, the vision of e-banking has been widened and it has stigmatized the global practices that are based on business management as well as successful operations to generalize the success in the banking range. In addition to that, traditional risks are involved in the banking practice thereby impairing the banker-customer relationship. According to Sleimi & Musleh (2020), the value of the standard deviation is 1.145 for the improvement of the quality of customer service in the district. Privacy, security services, thoughtful activities and the accumulation of web design and services have ensured the practice of knowledge to stabilize the trust of the customers as well as the quality of services provided.

The steadfast growth of online banking has evaluated the banking terminologies significantly. Ever since globalization and liberalization have evolved, the continuous growth of the Preamble District has created a shift in the business services. As opined by Akter et al. (2023), technology is more important for healthy growth and it has delivered the opportunities to measure the growth rate of the economic services in a significant manner. In addition to this, the credibility level has inculcated the e-banking services to demonstrate the occupational values of the particular region as well. In addition to that, e-banking have reduced the cost of banking operations to elaborate the volume of functional practices in a significant manner. As illustrated by Garg & Kumar (2022), developing an omnichannel of banking services has elaborated the banking scales and opportunities to promote illuminable resource ideas and practices to ensure the satisfaction level of the customers. This has centralized the ability of less consumption and more production.

Cross-border risks are often associated with innumerable and unrealistic information due to both internal and external sources. This reduces the significance of the action services in the banking industries that are relatively less organized and stable respectively. The significance of the banking areas is held by reliable and knowledgeable resources that address the issues marked by utmost ideologies that are based on various banking protocols. As per the critical analysis by Spoorthi & Basavaraj (2022), diversifying the internet sources has accumulated various planning and processes to demonstrate the significance of the learning prospects. The social and economic issues can be resolved by analyzing the customers' needs and benefits to identify the ideal and resourceful banking records in order to initiate the course of possibilities based on the current usage of banking practices. This has evaluated the chronological approaches towards banking services in terms of building the various banking ideas and practices based on the level of technology that is accustomed to the idea of customer services.

From the above chart analysis, it can be derived that the correlation value of the IV13.1 and the DV is -.110 and the negative correlation value designates the less linking of the gender bias to the improvement of the banking quality of the district of Tamil Nadu. The value of the IV2.2 and DV in the correlation test is 0.104 which

indicates the relation between the IV and DV. This implies that there is a strong relationship between the e-banking sectors with fulfilling consumer demand.

### Conclusion

The popularity of e-banking is worldwide with the cost of spreading the propensity of channels concerning informing all the relevant banking branches that are served with huge amounts of services for transaction benefits. The paradigm of premium services is marked by both exclusive and inclusive opportunities to generate global roles and responsibilities that are based on the critical evaluation of banking ideas and knowledge. By leveraging the growth of Internet banking, the customer demand for skilful banking resources can be generated in higher sections in the Preambular District. Accordingly, the source of banking flourished and the banking ideologies are marked by the utmost significant features of working.

Banking services have generated global ideas and forums to gain effective practicing values and services. The risk factors discussed highlight the chances of internet hacking and the association with irrelevant websites. This makes the customers' essentials more vulnerable and causes innumerable issues that are marked by reputational and operational risks. However, the conditional values have inculcated the crucial factors that are subjective. Therefore, the ideas of navigating the digital frontier have successfully analyzed the causal factors that are associated with various banking activities significantly.

Therefore, it can be concluded that, the cost validity services are well organized to maintain the understanding level of the customer satisfaction. In private sectors of banking, the cost validity rise high with the rise in the factorial benefits to solve the unnecessary workload based on distinctive ideologies. As a result of this, the vitality of the banking sectors is measured with greater importance in terms of progressing with the cost validity sources significantly. Moreover, the concept of e-banking is a way of initiating the banking services in a more effective manner.

### References

1. Ahmed, M. S., & Sajid, S. A. (2019). Technology impact on e-banking towards customer satisfaction in public & private sectors bank [with special reference to Vellore district of Tamil Nadu-India]. *International Journal of Scientific and Technology Research*, 8(12), 255-259. Retrieved from <https://link.springer.com/content/pdf/10.1186/s13731-023-00287-y.pdf> retrieved on 27<sup>th</sup> December, 2023
2. Akter, M. S., Bhuiyan, M. R. I., Poli, T. A., & Hossain, R. (2023). Web-based Banking Services on E-Customer Satisfaction in Private Banking Sectors: A Cross-Sectional Study in Developing Economy. *Migration Letters*, 20(S3), 894-911. Retrieved from <https://migrationletters.com/index.php/ml/article/download/3976/2696> retrieved on 27<sup>th</sup> December, 2023
3. Almansour, B., & Elkrgli, S. (2023). Factors Influencing Customer Satisfaction on E-Banking Services: A Study of Libyan Banks. *International Journal of Technology, Innovation and Management (IJTIM)*, 3(1), 34-42. Retrieved from [https://shodhgangotri.inflibnet.ac.in/bitstream/20.500.14146/11383/1/synopsis%20\\_rajkumar%20pillai\\_.pdf](https://shodhgangotri.inflibnet.ac.in/bitstream/20.500.14146/11383/1/synopsis%20_rajkumar%20pillai_.pdf) retrieved on 27<sup>th</sup> December, 2023
4. Ayinaddis, S. G., Taye, B. A., & Yirsaw, B. G. (2023). Examining the effect of electronic banking service quality on customer satisfaction and loyalty: an implication for technological innovation. *Journal of Innovation and Entrepreneurship*, 12(1), 22. Retrieved from <https://welltestingjournal.com/index.php/WT/article/download/62/4> retrieved on 27<sup>th</sup> December, 2023
5. Balaji, D. P. K. D. (2021). Customer Perception On E-Banking Services—A Study With Reference To Private And Public Sector Banks. *NVEO-NATURAL VOLATILES & ESSENTIAL OILS Journal* | NVEO, 4797-4808. Retrieved from [http://gtusitecirculars.s3.amazonaws.com/uploads/Final%20Thesis\\_169999903005\\_308709.pdf](http://gtusitecirculars.s3.amazonaws.com/uploads/Final%20Thesis_169999903005_308709.pdf) retrieved on 27<sup>th</sup> December, 2023
6. Dhanya, P., & Vinothkumar, M. E. (2023). A Study on Customer Awareness and Satisfaction towards E-Banking Services in Coimbatore City. Retrieved from <http://mail.journalppw.com/index.php/jpsp/article/download/11239/7254> retrieved on 27<sup>th</sup> December, 2023
7. Garg, M. C., & Kumar, P. (2022). Gap between expectation and perception of customers about e-banking services for each service quality dimensions in selected public and private sector banks in India. *International Journal of Services and Operations Management*, 42(4), 525-538. Retrieved from [https://www.academia.edu/download/65767013/IJM\\_11\\_05\\_113.pdf](https://www.academia.edu/download/65767013/IJM_11_05_113.pdf) retrieved on 27<sup>th</sup> December, 2023
8. Halim, H., Basar, S. A., Hamzah, H., Sukrri, N. N. A. N. M., & Bhuiyan, A. B. (2023). Customer satisfaction on e-banking services among university students in Malaysia. *Asian Finance & Banking Review*, 7(1), 1-9. Retrieved from <https://dialnet.unirioja.es/descarga/articulo/8632961.pdf> retrieved on 27<sup>th</sup> December, 2023
9. Ighomereho, O. S., Afolabi, T. S., & Oluwakoya, A. O. (2023). Impact of E-service quality on customer satisfaction: a study of internet banking for general and maritime services in Nigeria. *Journal of Financial*

- Services Marketing, 28(3), 488-501. Retrieved from [https://scholar.ptuk.edu.ps/bitstream/123456789/809/1/msl\\_2020\\_205.pdf](https://scholar.ptuk.edu.ps/bitstream/123456789/809/1/msl_2020_205.pdf) retrieved on 27<sup>th</sup> December, 2023
10. Khan, A. J., Hanif, N., Iqbal, J., Ahmed, T., Hameed, W. U., & Malik, A. A. (2023). Greening for greater good: investigating the critical factors for customer satisfaction with sustainable e-banking. *Environmental Science and Pollution Research*, 1-11. Retrieved from [https://www.researchgate.net/profile/Asem-Tahtamouni/publication/362077917\\_E-banking\\_services\\_and\\_the\\_satisfaction\\_of\\_customers\\_in\\_the\\_Jordanian\\_banks/links/62dc54b582bb4729929c0451/E-banking-services-and-the-satisfaction-of-customers-in-the-Jordanian-banks.pdf](https://www.researchgate.net/profile/Asem-Tahtamouni/publication/362077917_E-banking_services_and_the_satisfaction_of_customers_in_the_Jordanian_banks/links/62dc54b582bb4729929c0451/E-banking-services-and-the-satisfaction-of-customers-in-the-Jordanian-banks.pdf) retrieved on 27<sup>th</sup> December, 2023
  11. Madavan, K., & Vethirajan, C. (2020). Customer satisfaction on E-banking services of public and private sector banks in puducherry region-an empirical analysis. *International Journal of Management (IJM)*, 11(6), 649-664. Retrieved from [https://www.researchgate.net/profile/Kota-Murthy/publication/369334279\\_Impact\\_of\\_E-banking\\_strategies\\_on\\_customer\\_satisfaction\\_in\\_select\\_public\\_and\\_private\\_sector\\_banks\\_in\\_India/links/64155c9c66f8522c38b3d619/Impact-of-E-banking-strategies-on-customer-satisfaction-in-select-public-and-private-sector-banks-in-India.pdf](https://www.researchgate.net/profile/Kota-Murthy/publication/369334279_Impact_of_E-banking_strategies_on_customer_satisfaction_in_select_public_and_private_sector_banks_in_India/links/64155c9c66f8522c38b3d619/Impact-of-E-banking-strategies-on-customer-satisfaction-in-select-public-and-private-sector-banks-in-India.pdf) retrieved on 27<sup>th</sup> December, 2023
  12. Parveen, S., Saghir, V., & Beg, S. (2023). AN EMPIRICAL STUDY OF CUSTOMER SATISFACTION TOWARDS E-BANKING SERVICES IN DELHI. *Indian Journal of Finance and Banking*, 13(1), 54-62. Retrieved from [https://www.academia.edu/download/99392912/shuaib\\_Journal\\_1.pdf](https://www.academia.edu/download/99392912/shuaib_Journal_1.pdf) retrieved on 27<sup>th</sup> December, 2023
  13. Pawar, M. P. S., Sivakumar, B., Manimekala, M. M., & Praseeja, M. P. (2023). Customer Perception And Preference Of E-Banking Services-A Study With Reference To Selected Nationalised Banks In Coimbatore District. *Korean Journal of Physiology and Pharmacology*, 27(3), 348-352. Retrieved from <https://journals.nawroz.edu.krd/index.php/ajnu/article/download/826/680> retrieved on 27<sup>th</sup> December, 2023
  14. Rajasulochana, D. S. M. (2022). E-Banking And Customers' Satisfaction In Public And Private Sector Banks In Karnataka: An Empirical Analysis. *Journal of Positive School Psychology*, 6(8), 8270-8279. Retrieved from <http://eprajournals.net/index.php/IJRD/article/download/1841/1841> retrieved on 27<sup>th</sup> December, 2023
  15. Raut, V., Gharpure, R., & Khursange, S. (2023). Exploring Customer Perceptions Of E-Banking Services In Rural Madhya Pradesh: A Comparative Analysis Of Public And Private Sector Banks In Chhindwara District. *Journal of Namibian Studies: History Politics Culture*, 35, 125-134. Retrieved from <https://journalppw.com/index.php/jpsp/article/download/14740/9544> retrieved on 27<sup>th</sup> December, 2023
  16. Statista, 2023 Online banking usage in Great Britain from 2007 to 2022 available at [accessed on 27<sup>th</sup> December, 2023]
  17. Sardana, S., & Bajpai, V. N. (2020). E-banking service quality and customer satisfaction: An exploratory study on India. *International Journal of Services and Operations Management*, 35(2), 223-247. Retrieved from <https://ijeponline.com/index.php/journal/article/download/569/522> retrieved on 27<sup>th</sup> December, 2023
  18. Shanmugam, R. M., & Chandran, M. (2022). A relationship between service quality and customer satisfaction in e-banking services-a study with reference to commercial banks in Chennai City. *International Journal of Professional Business Review: Int. J. Prof. Bus. Rev.*, 7(3), 13. Retrieved from <http://www.sumc.lt/index.php/se/article/download/1935/1440> retrieved on 27<sup>th</sup> December, 2023
  19. Singh, M. (2020). A Study of customer satisfaction on E-banking service quality in public and private sector banks with respect to gender and age. *Asian Journal of Management*, 11(3), 259-265. Retrieved from <https://shodhgangotri.inflibnet.ac.in/bitstream/20.500.14146/12576/1/final%20synopsis%20amarpreet%20kour%20randhawa.pdf> retrieved on 27<sup>th</sup> December, 2023
  20. Sleimi, M., & Musleh, M. (2020). E-Banking services quality and customer loyalty: The moderating effect of customer service satisfaction: Empirical evidence from the UAE banking sector. Retrieved from [https://www.researchgate.net/profile/Ooi-Kok-Loang/publication/369692304\\_The\\_Factors\\_That\\_Influence\\_E-Banking\\_Service\\_Quality\\_in\\_Guinea's\\_Commercial\\_Banks/links/642810a692cfd54f8446ffb1/The-Factors-That-Influence-E-Banking-Service-Quality-in-Guineas-Commercial-Banks.pdf](https://www.researchgate.net/profile/Ooi-Kok-Loang/publication/369692304_The_Factors_That_Influence_E-Banking_Service_Quality_in_Guinea's_Commercial_Banks/links/642810a692cfd54f8446ffb1/The-Factors-That-Influence-E-Banking-Service-Quality-in-Guineas-Commercial-Banks.pdf) retrieved on 27<sup>th</sup> December, 2023
  21. Spoorthi, H., & Basavaraj, C. S. (2022). A Comparative Analysis Of E-Banking Service Quality In Select Public And Private Sector Banks-The Case Of Kalaburagi City. *Journal of Positive School Psychology*, 6(3), 8124-8134. Retrieved from <https://ssbfnet.com/ojs/index.php/ijrbs/article/download/2283/1649> retrieved on 27<sup>th</sup> December, 2023
  22. Tahtamouni, A. (2023). E-banking services and the satisfaction of customers in the Jordanian banks. *Journal of Science and Technology Policy Management*, 14(6), 1037-1054. Retrieved from <https://jhss.koyauniversity.org/index.php/jhss/article/download/946/217> retrieved on 27<sup>th</sup> December, 2023

23. Tomar, A. (2023). Exploring Customer Perceptions Of E-Banking Services In Rural Madhya Pradesh: A Comparative Analysis Of Public And Private Sector Banks In Chhindwara District. *Well Testing*, 32, 31-36.
24. Retrieved from [https://www.researchgate.net/profile/Dr-Denduluri/publication/373143698\\_Section\\_A\\_Research\\_paper\\_A\\_Comparative\\_Study\\_of\\_Customer\\_Satisfaction\\_with\\_Online\\_Banking\\_Services\\_with\\_Reference\\_to\\_Sbi\\_and\\_Hdfc\\_Bank\\_in\\_Bangalore\\_City\\_A\\_COMPARATIVE\\_STUDY\\_OF\\_CUSTOMER\\_SATISFACTION\\_WI/links/64dc802366foe0067d99d62f/Section-A-Research-paper-A-Comparative-Study-of-Customer-Satisfaction-with-Online-Banking-Services-with-Reference-to-Sbi-and-Hdfc-Bank-in-Bangalore-City-A-COMPARATIVE-STUDY-OF-CUSTOMER-SATISFACTION-WI.pdf](https://www.researchgate.net/profile/Dr-Denduluri/publication/373143698_Section_A_Research_paper_A_Comparative_Study_of_Customer_Satisfaction_with_Online_Banking_Services_with_Reference_to_Sbi_and_Hdfc_Bank_in_Bangalore_City_A_COMPARATIVE_STUDY_OF_CUSTOMER_SATISFACTION_WI/links/64dc802366foe0067d99d62f/Section-A-Research-paper-A-Comparative-Study-of-Customer-Satisfaction-with-Online-Banking-Services-with-Reference-to-Sbi-and-Hdfc-Bank-in-Bangalore-City-A-COMPARATIVE-STUDY-OF-CUSTOMER-SATISFACTION-WI.pdf) retrieved on 27<sup>th</sup> December, 2023