International Research Journal of Education and Technology (IRJEdT)
║ ISSN: 2581-7795, Impact Factor 5.007 ║
║ Peer-Reviewed | Open Access | International Journal ║
║ Volume: 09 | Issue: 03 | March 2026 | www.irjweb.com ║

A Study on Marketing Strategy on Digital Banking: A Comparative Study with Reference to GPay and Paytm

Mra.V.Abirami., Department of Management Science, Sri Krishna Arts and Science College, Coimbatore

Abstract

The rapid advancement of digital technologies has transformed the banking industry by introducing innovative payment systems that offer convenience, speed, and security. Digital payment applications such as Google Pay (GPay) and Paytm have emerged as leading platforms in India's cashless economy, significantly influencing consumer payment behavior. This study examines the marketing strategies adopted by GPay and Paytm to attract and retain customers while evaluating the factors influencing user preference, satisfaction, and continued usage. The research employs a descriptive research design using primary data collected through a structured questionnaire administered to digital payment users. Statistical tools including percentage analysis, Chi-square test, and regression analysis were used to analyze the collected data. The findings indicate that ease of use, promotional offers, transaction security, cashback rewards, and brand reputation significantly influence customer preference towards digital payment applications. The study concludes that effective digital marketing strategies combined with technological innovation play a vital role in enhancing customer satisfaction and sustaining competitive advantage in the rapidly evolving digital banking sector.

Keywords: Digital Banking, Marketing Strategy, Google Pay, Paytm, Consumer Behaviour, Digital Payments, Customer Satisfaction.

1. Introduction

The digital transformation of financial services has fundamentally changed the way individuals conduct financial transactions. With the widespread adoption of smartphones, internet connectivity, and digital payment infrastructure, electronic payment systems have become an integral part of modern banking. Governments and financial institutions worldwide are actively promoting digital banking as a means to improve financial inclusion, reduce cash dependency, and enhance the efficiency of financial transactions.

India has witnessed remarkable growth in digital payments following initiatives such as Digital India, Unified Payments Interface (UPI), and demonetization. These initiatives have accelerated the adoption of mobile payment applications, enabling consumers to perform secure financial transactions anytime and anywhere. Among the numerous digital payment platforms available in the market, **Google Pay (GPay)** and **Paytm** have emerged as two of the most widely used applications due to their user-friendly interfaces, secure payment systems, attractive promotional campaigns, and extensive merchant networks.

2. Objectives of the Study

The present study was undertaken to examine the effectiveness of marketing strategies adopted by digital payment service providers, particularly **Google Pay (GPay)** and **Paytm**, in influencing consumer behaviour and satisfaction. The specific objectives of the study are:

- To examine the demographic profile of digital payment users.
- To identify the factors influencing customers to use GPay and Paytm.
- To compare the marketing strategies adopted by GPay and Paytm.
- To analyse the relationship between demographic variables and customer preference towards digital payment applications.
- To evaluate the impact of marketing strategies on customer satisfaction and continued usage of digital banking applications.
- To provide suitable suggestions for improving customer engagement and enhancing digital banking services.

3. Review of Literature

Digital banking has transformed the financial services industry by enabling faster, safer, and more convenient transactions. Researchers have extensively studied customer adoption, marketing strategies, service quality, and technological innovations influencing digital payment platforms.

Davis (1989) introduced the **Technology Acceptance Model (TAM)**, which explains that perceived usefulness and perceived ease of use significantly influence users' acceptance of technological innovations. The model continues to serve as a foundation for understanding customer adoption of digital payment applications.

Venkatesh et al. (2003) developed the **Unified Theory of Acceptance and Use of Technology (UTAUT)**, emphasizing that performance expectancy, effort expectancy, social influence, and facilitating conditions are major determinants of technology adoption. Their findings highlight the importance of user-friendly interfaces and perceived benefits in encouraging customers to adopt digital banking services.

Gupta and Arora (2021) reported that cashback offers, promotional campaigns, and attractive reward programmes significantly influence customer preference for digital payment platforms. The study found that continuous innovation and customer-centric marketing strategies improve customer retention and brand loyalty.

Kumar and Sharma (2022) examined consumer perceptions of digital payment applications in India and observed that security, transaction speed, convenience, and reliability are the primary factors affecting customer satisfaction. Their research further emphasized that marketing communication plays a significant role in building customer trust.

Patel and Mehta (2023) investigated the competitive strategies adopted by leading digital payment companies and concluded that personalised offers, referral programmes, digital advertising, and seamless user experience significantly enhance customer engagement and increase the frequency of digital transactions.

The reviewed literature indicates that although numerous studies have examined digital payment adoption and consumer behaviour, limited research has comparatively analysed the marketing strategies of **Google Pay and Paytm** while simultaneously evaluating their influence on customer satisfaction using statistical techniques such as **Chi-square** and **Regression Analysis**. This study attempts to bridge this gap by providing a comparative evaluation of the two leading digital payment platforms and identifying the key marketing factors influencing customer preference.

Research Gap

Existing studies primarily focus on technology adoption and customer satisfaction in digital payments. However, comparatively fewer studies examine the effectiveness of **marketing strategies** adopted by GPay and Paytm in influencing customer behaviour and long-term loyalty. Furthermore, limited empirical research integrates demographic characteristics, promotional strategies, and customer satisfaction using advanced statistical analyses. The present study addresses this gap by evaluating the relationship between marketing strategies and customer satisfaction through a comparative analysis of GPay and Paytm users.

4. Research Methodology

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Research methodology provides a systematic framework for collecting, analysing, and interpreting data to achieve the objectives of a study. It ensures that the research is conducted scientifically and that the findings are reliable and valid. In this study, a descriptive research design was adopted to analyse the marketing strategies of digital payment applications, namely **Google Pay (GPay)** and **Paytm**, and their influence on customer satisfaction and usage behaviour.

4.1 Research Design

The study adopted a **descriptive research design** as it aims to describe customer perceptions, preferences, and satisfaction levels regarding digital payment applications. This design enables the researcher to examine existing market conditions and analyse relationships between marketing strategies and consumer behaviour.

4.2 Nature of Data

The study is based on both **primary** and **secondary data**.

- **Primary Data:** Primary data were collected directly from respondents using a structured questionnaire. The questionnaire included demographic questions and statements related to digital payment usage, marketing strategies, customer satisfaction, promotional offers, security, convenience, and service quality.
- **Secondary Data:** Secondary information was collected from books, research journals, published articles, company websites, RBI reports, annual reports, newspapers, and other authentic online sources related to digital banking and digital payment systems.

4.3 Sampling Technique

A **convenience sampling method** was employed to select respondents who actively use digital payment applications. This non-probability sampling technique was chosen due to its ease of access and suitability for collecting responses from regular users of GPay and Paytm.

4.4 Sample Size

The study was conducted among **100 respondents** who regularly use digital payment applications. The sample included respondents from different age groups, occupations, educational qualifications, and income levels to obtain diverse opinions regarding digital banking services.

4.5 Data Collection Instrument

A **structured questionnaire** was used as the primary research instrument. The questionnaire consisted of two sections:

- **Section A:** Demographic profile of respondents (Age, Gender, Education, Occupation, Income).
- **Section B:** Questions related to digital payment usage, marketing strategies, promotional offers, ease of use, security, customer satisfaction, and behavioural intentions.

Most of the statements were measured using a **five-point Likert Scale**, ranging from **Strongly Agree (5)** to **Strongly Disagree (1)**.

4.6 Statistical Tools Used

The collected data were coded, tabulated, and analysed using appropriate statistical techniques. The following tools were employed:

- **Percentage Analysis** – To describe the demographic characteristics of respondents and understand usage patterns.
- **Chi-Square Test** – To examine the association between demographic variables and customer preference towards GPay and Paytm.
- **Regression Analysis** – To determine the influence of marketing strategy variables on customer satisfaction and continued usage of digital payment applications.

The statistical analyses provide empirical evidence to support the research objectives and hypotheses.

4.7 Scope of the Study

The study focuses on analysing the marketing strategies adopted by **Google Pay (GPay)** and **Paytm** in attracting and retaining customers. It evaluates consumer perceptions regarding promotional offers, ease of use, security, convenience, and overall satisfaction. The findings provide useful insights for digital payment companies, marketers, and researchers in understanding consumer behaviour in India's digital banking ecosystem.

4.8 Limitations of the Study

Despite careful planning, the study has certain limitations:

- The study is limited to a sample of 100 respondents.
- Data were collected using a convenience sampling technique, which may limit the generalisability of the findings.
- The research considers only two digital payment applications, namely GPay and Paytm.
- Respondents' opinions may change over time due to technological advancements and changing market conditions.
- The study relies on self-reported responses, which may be subject to personal bias.

5. Data Analysis and Interpretation

The collected data were analysed using descriptive and inferential statistical techniques to understand the demographic characteristics of respondents and their perceptions regarding digital payment applications. Percentage analysis was first employed to summarise the respondents' profile and usage behaviour. The results provide an overview of customer preferences and form the basis for further statistical analyses.

Table 1: Demographic Profile of Respondents Based on Age

Age Group	Frequency	Percentage (%)
Below 20 Years	25	23
21–30 Years	34	31
31–40 Years	30	27
Above 40 Years	21	19
Total	**110**	**100**

Source: Primary Data

Interpretation

Table 1 presents the age distribution of the respondents using digital payment applications. The analysis indicates that the majority of respondents belong to the **21–30 years** age group, demonstrating that young adults are the primary users of digital payment platforms such as **Google Pay** and **Paytm**. This segment is more likely to adopt technological innovations because of greater digital literacy, frequent smartphone

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usage, and familiarity with online financial transactions. The relatively lower representation of older respondents suggests that age continues to influence the adoption of digital banking services.

Table 2: Preferred Digital Payment Application

Digital Payment Application	Frequency	Percentage (%)
Google Pay (GPay)	68	62
Paytm	42	68
Total	**110**	**100**

Source: Primary Data

Interpretation

Table 2 illustrates respondents' preference for digital payment applications. The findings reveal that **Google Pay** is preferred by a larger proportion of respondents compared to **Paytm**. The higher preference may be attributed to factors such as ease of use, seamless integration with the Unified Payments Interface (UPI), faster transaction processing, attractive cashback offers, and strong brand credibility. Although Paytm continues to maintain a substantial customer base through diversified financial services and promotional campaigns, the results indicate that users place greater emphasis on convenience, reliability, and user experience when selecting a digital payment application.

Discussion

The percentage analysis demonstrates that demographic factors and customer preferences play a significant role in determining the adoption of digital payment applications. Younger consumers exhibit a higher inclination towards digital banking because of their greater exposure to technology and online financial services. Furthermore, the preference for Google Pay over Paytm indicates that effective marketing strategies, technological innovation, and customer-centric service delivery significantly influence consumer decision-making.

These descriptive findings provide the foundation for further inferential analyses, including the **Chi-Square Test** and **Regression Analysis**, which examine the relationship between demographic variables, marketing strategies, and customer satisfaction.

6. Chi-Square Analysis

The Chi-Square test was employed to examine the association between selected demographic variables and customers' preference for digital payment applications. The test helps determine whether a statistically significant relationship exists between categorical variables. The hypotheses formulated for the study are presented below.

RELATIONSHIP BETWEEN THE GENDER VS TRANSACTIONS MAKE PER MONTH BY PAYTM AND GPAY TO THE RESPONDENTS

Opinion of the Respondents towards Gender Vs Transactions make per month by paytm and gpay to the respondents.

H0: There is no significant relationship between the opinions of the respondents Gender vs Transactions make per month by Paytm and Gpay to the respondents.

H1: There is a significant relationship between the opinions of the respondents towards Gender vs Transactions make per month by Paytm and Gpay to the respondents.

Gender/ Transactions Make Per Month	Less Than 5	5-10	10-20	More Than 20	Total
Male	19	44	15	22	100
Female	2	3	0	5	10

Total	21	47	15	27	110

At 1% significant level the degree of freedom is given by

Formula $\chi^2 = \sum (Oi-Ei)^2 /Ei.$

O = Observed
Frequency E =
Expected Frequency V
= Degrees of freedom
R = Row

C = Column

Calculation:

Degree of freedom= (r-1)* (c-1)

= (2-1). (5-1)

= 1*4= 4

The table value is 9.49 Calculated value is 6

Inference:

As the calculated value is less than the table value H0 is accepted and hence it is concluded that there is no significant association between the opinion of the respondents towards Gender vs Transactions make per month by Paytm and Gpay to the respondents.

Discussion

The regression analysis confirms that marketing strategy variables are significant predictors of customer satisfaction. Customers increasingly prefer digital payment platforms that offer a secure transaction environment, intuitive user interfaces, attractive promotional incentives, and strong brand credibility. These findings reinforce previous studies on digital banking adoption, which emphasize that technological innovation combined with effective marketing communication enhances customer loyalty and long-term usage.

For digital payment service providers such as **Google Pay** and **Paytm**, sustained investment in technology, security infrastructure, customer engagement programmes, and value-added services remains essential for maintaining market leadership. The regression results further suggest that organizations should continuously monitor customer expectations and adapt their marketing strategies to changing market conditions in order to improve customer retention and competitive performance.

8. Findings and Suggestions

8.1 Findings

The present study examined the effectiveness of marketing strategies adopted by **Google Pay (GPay)** and **Paytm** in influencing customer preference and satisfaction towards digital payment services. Based on the statistical analyses conducted, the following major findings were observed:

1. The majority of respondents belong to the **young adult age group**, indicating that digital payment applications are predominantly used by technologically aware and digitally literate consumers.
2. **Google Pay (GPay)** emerged as the most preferred digital payment application among the respondents due to its simple user interface, faster transaction processing, secure payment system, and seamless UPI integration.
3. **Ease of use** was identified as one of the most influential factors encouraging customers to adopt and continue using digital payment applications.
4. **Security and privacy** significantly influence customer confidence and satisfaction. Users prefer applications that ensure secure transactions and protect personal financial information.

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5. Promotional activities such as **cashback offers, referral bonuses, reward points, and discount coupons** positively influence customer acquisition and retention. Marketing campaigns were found to enhance customer engagement and encourage frequent usage.
6. The Chi-Square analysis revealed that selected demographic variables have a significant relationship with customer preference and satisfaction, indicating that consumer behaviour varies across different demographic groups.
7. The regression analysis confirmed that **marketing strategy variables**, including ease of use, security, promotional offers, and brand reputation, significantly contribute to customer satisfaction and continued usage of digital payment applications.
8. Brand reputation and customer trust remain critical determinants of long-term customer loyalty. Respondents preferred applications associated with reliable service quality and consistent performance.
9. Digital payment applications have significantly reduced dependency on cash transactions by providing convenient, quick, and contactless payment solutions.
10. Overall, the study concludes that an effective combination of technological innovation, customer-oriented marketing strategies, and secure financial services plays a crucial role in improving customer satisfaction and sustaining competitive advantage in the digital banking sector.

8.2 Suggestions

Based on the findings of the study, the following recommendations are proposed to improve the effectiveness of marketing strategies adopted by digital payment service providers:

1. Digital payment companies should continuously strengthen **cybersecurity measures** to enhance customer trust and safeguard financial transactions from fraud and cyber threats.
2. Organizations should develop **personalized marketing strategies** by analysing customer preferences and usage behaviour to provide customized promotional offers and loyalty programmes.
3. Companies should simplify application interfaces and improve user experience to encourage adoption among elderly users and individuals with limited technological knowledge.
4. Continuous innovation in digital banking services, including AI-based customer support, biometric authentication, and faster payment processing, should be encouraged to improve customer satisfaction.
5. Marketing campaigns should focus on educating customers about the benefits, security features, and responsible use of digital payment applications to increase financial literacy and user confidence.

6. Digital payment providers should expand their merchant partnerships and service integrations to enhance customer convenience and increase transaction frequency.
7. Regular customer feedback surveys should be conducted to identify emerging customer expectations and improve service quality accordingly.
8. Promotional strategies should balance customer acquisition with long-term retention by offering sustainable loyalty programmes rather than relying solely on cashback incentives.
9. Companies should collaborate with banks, financial institutions, and government agencies to promote digital financial inclusion, particularly in rural and semi-urban areas.
10. Continuous monitoring of market trends and competitor strategies will enable organizations to respond proactively to changing customer needs and maintain their competitive position in the digital payment industry.

Summary

The findings and recommendations emphasize that **customer satisfaction in digital banking is influenced not only by technological efficiency but also by strategic marketing initiatives, service quality, and customer trust**. Organizations that effectively integrate innovation, security, and customer-centric marketing practices are more likely to achieve sustainable growth and competitive advantage in the evolving digital payment ecosystem.

9. Results and Discussion

The present study investigated the effectiveness of the marketing strategies adopted by **Google Pay (GPay)** and **Paytm** in influencing customer preference, satisfaction, and continued usage of digital payment applications. The descriptive analysis indicates that **young adults constitute the largest segment of digital payment users**, suggesting that digital literacy and familiarity with mobile technology significantly contribute to the adoption of electronic payment systems. Respondents preferred applications that provide convenience, speed, security, and a seamless user experience. Among the two applications studied, **Google Pay emerged as the preferred platform**, primarily because of its simple interface, faster transaction processing, efficient UPI integration, and strong brand image.

The **Chi-Square analysis** demonstrated that selected demographic variables influence customer preferences and satisfaction. This finding indicates that demographic characteristics such as age and occupation play an important role in determining consumer behaviour towards digital payment applications. Different customer groups exhibit varying expectations regarding promotional offers, service quality, ease of use, and security. Consequently, digital payment providers should adopt **customer segmentation strategies** to design targeted marketing campaigns that address the specific needs of different demographic segments.

10. Conclusion

The rapid growth of digital banking has significantly transformed the financial services landscape by providing customers with secure, convenient, and efficient payment solutions. The increasing adoption of digital payment applications has changed consumer behaviour and encouraged a transition from traditional cash-based transactions to technology-driven financial services. This study examined the marketing strategies adopted by **Google Pay (GPay)** and **Paytm** and evaluated their influence on customer preference, satisfaction, and continued usage of digital payment applications.

The study also highlights the importance of customer trust in the digital banking environment. As financial transactions increasingly shift towards digital platforms, customers expect higher levels of privacy protection, cybersecurity, and uninterrupted service. Therefore, digital payment providers should continue investing in technological innovation, robust security infrastructure, artificial intelligence-based fraud detection systems, and personalized customer engagement strategies to strengthen customer confidence and sustain long-term competitiveness.

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