International Journal of Multidisciplinary Horizon

ISSN: **3049-2017**
IJMH 2026; 3(6): 51-54
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www.themultijournal.com

Received: 17-10-2026
Accepted: 02-11-2026
Publish : 04-11-2026

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A Study On Digital Payment And Financial Technology (Fintech)

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Abstract

Digital payments and FinTech technology have transformed the way financial transactions are carried out in the modern economy. Digital payment systems such as mobile wallets, UPI, internet banking, debit cards, and QR-code payments have made transactions faster, easier, and more convenient. FinTech, which combines financial services with modern technology, provides innovative solutions in areas such as digital banking, online lending, investment, insurance, and payment services. The growth of smartphones, internet connectivity, and digital platforms has encouraged individuals and businesses to adopt cashless methods of payment. This article examines the role of digital payments and FinTech technology in improving financial services, increasing accessibility, and supporting the growth of the digital economy. It also highlights the opportunities and challenges associated with the rapid development of digital financial services.

INTRODUCTION

The rapid development of technology has brought significant changes to the financial sector. Digital payments have become an important part of everyday transactions, allowing people to transfer money and make payments electronically without depending on physical cash. Mobile payment applications, UPI, internet banking, debit cards, credit cards, and QR-code payments have made financial transactions more convenient and accessible.

FinTech, or Financial Technology, refers to the use of technology to provide and improve financial services. It combines finance with technologies such as mobile applications, cloud computing, artificial intelligence, data analytics, and blockchain. FinTech companies and financial institutions use these technologies to provide services such as digital payments, online banking, lending, investment, insurance, and financial management.

The growth of digital payments and FinTech has created new opportunities for consumers, businesses, and financial institutions. It has reduced the time required for transactions, improved accessibility to financial services, and supported the development of a more connected digital economy. At the same time, issues such as cybersecurity, online fraud, data privacy, and the digital divide remain important concerns. Therefore, understanding the development, benefits, and challenges of digital payments and FinTech technology is essential in today's rapidly changing financial environment.

OBJECTIVES OF THE STUDY

- Tostudy the concept and development of digital payment systems and FinTech technology.
- Toexamine the role of digital payments in making financial transactions faster and more convenient.
- Tounderstand the impact of FinTech technology on modern banking and financial services.
- Toidentify the benefits of digital payments and FinTech for individuals, businesses, and financial institutions.
- Toanalysethe major challenges associated with digital payments, includingcybersecurity, fraud, and data privacy.

SCOPE OF THE STUDY

The study focuses on the growing use of digital payments and FinTech technology in modern financial services. It covers various digital payment methods such as UPI, mobile

wallets, internet banking, debit cards, credit cards, and QR-code payments. The study also examines how FinTech technology supports digital banking, online lending, investment, and other financial services. It highlights the benefits of digital financial services, including convenience, speed, accessibility, and financial inclusion. The study also considers challenges such as cybersecurity, online fraud, data privacy, and technological barriers.

STATEMENT OF THE PROBLEM

The rapid growth of digital payments and FinTech technology has changed the way individuals and businesses conduct financial transactions. Although these technologies provide faster and more convenient financial services, users also face challenges such as cyber fraud, data security, privacy concerns, technical failures, and lack of digital awareness. Some people may also face difficulties in adopting digital payment systems due to limited access to technology and internet services. Therefore, there is a need to study the development, benefits, and challenges of digital payments and FinTech technology.

SIGNIFICANCE OF THE STUDY

The study is significant as digitalpayment-sandFinTechtechnology have become an important part of modern financial services. It helps to understand how digital payment systems make financial transactions faster, easier, and more convenient. The study provides awareness about the role of FinTech in improving banking and financial services through innovative technologies. It also highlights the benefits of digital payments for individuals and businesses and creates awareness about challenges such as cybersecurity, fraud, and data privacy. Overall, the study helps in understanding the importance of digital financial technology in the development of a modern digital economy.

RESEARCH METHODOLOGY

The study follows a descriptive research methodology to examine the growth and development of digital payments and FinTech technology. It focuses on understanding various digital payment methods such as UPI, mobile wallets, internet banking, debit cards, credit cards, and QR-code payments. The study also examines the role of FinTech in providing innovative financial services and improving the convenience and accessibility of digital transactions. Information for the study is gathered from books, journals, research articles, websites, reports, and other published sources. The collected information is analysed and presented systematically to understand the benefits, applications, and challenges of digital payments and FinTech technology.

SOURCE OF DATA

The study is based on secondarysourcesofdata. Relevant information is collected from published and reliable sources such as books**,** journals**,** researcharticles**,** newspapers**,** websites**,** governmentreports**,** bankingreports**,** andFinTech-relatedpublications. These sources provide information about digital payment systems, FinTech services, their growth, benefits, and challenges. The collected information is used to support the analysis and findings of the study.

SAMPLE

For the study on "Digital Payments and FinTech Technology," a sample of 100respondents can be considered to understand their awareness, usage, preferences, and experiences with digital payment services. The respondents may include students**,** employees**,** businesspeople**,** and other digital payment users. The sample is selected to represent different categories of users and to provide a broader understanding of digital payment usage.

RESEARCH DESIGN

The study adopts a descriptiveresearchdesign to examine the awareness, usage, preferences and challenges associated with digitalpaymentsandFinTechservices among users. The design helps to understand how digital payment methods and FinTech services influence modern financial transactions.

LIMITATION OF THE STUDY

- **Limited Sample Size**

The study is based on a limited number of respondents, so the findings may not represent the views of all digital payment users.

- **Limited Study Area**

The study is conducted within a specific geographical area, which may limit the general applicability of the findings.

- **Time Constraint**

The study was conducted within a limited period, restricting the extent of data collection and analysis.

- **Changes in Technology**

Digital payment and FinTech services are continuously developing. New technologies and services may change user preferences over time.

- **Respondent-Based Information**

The study depends on the information provided by respondents, and differences in their awareness and understanding may affect the accuracy of the findings

REVIEW OF LITERATURE

1. **Sharma and Singh (2021)** studied the adoption of digital payment services and found that convenience, accessibility and ease of use were important factors influencing users' adoption of digital payments.
2. **Kumar and Gupta (2022)** examined the role of FinTech in financial services and observed that technological developments have improved the speed, accessibility and convenience of financial transactions.
3. **Patel (2022)** studied consumer behaviour towards digital payment systems and found that security, awareness and ease of operation influence consumers' preferences for digital payment methods.
4. **Ravi and Priya (2023)** examined the growth of FinTech services and highlighted the increasing use of mobile-based financial services, digital wallets and online payment platforms.
5. **Mehta and Sharma (2024)** studied the challenges associated with digital payments and identified concerns relating to cybersecurity, technical problems, privacy and lack of awareness among some users

DATA ANALYSIS AND INTERPRETATION

Table 1: Most Frequently Used Digital Payment Method

S. NO	Digital Payment Method	No. of Respondents	Percentage
1	UPI	60	60%
2	Mobile Banking	15	15%
3	Debit/Credit Card	10	10%
4	DigitalWallet	10	10%
5	InternetBanking	5	5%
Total		**100**	**100%**

INTERPRETATION

The table shows that 60% of the respondents use UPI as their most frequently used digital payment method. Mobile banking is used by 15% of respondents, while debit/credit cards and digital wallets are each used by 10%. Internet banking is used by 5% of respondents.

Table 2: Satisfaction with Digital Payment and FinTech Services

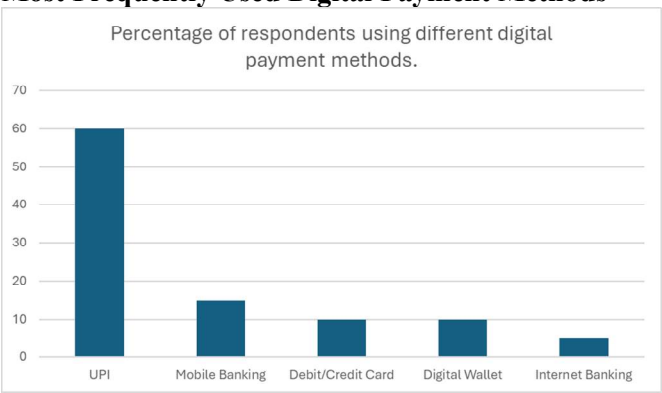
S. No	Level of Satisfaction	No. of Respondents	Percentage
1	Highly satisfied	45	45%
2	Satisfied	35	35%
3	Neutral	12	12%
4	Dissatisfied	6	6%
5	Highly dissatisfied	2	2%
Total		**100**	**100%**

INTERPRETATION

The table shows that 45% of the respondents are highly satisfied with digital payment and FinTech services, while 35% are satisfied. Only 8% of respondents are dissatisfied or highly dissatisfied. This indicates that most respondents have a positive experience with digital payment and FinTech services.

Chart 1: Most Frequently Used Digital Payment Method

Most Frequently Used Digital Payment Methods



OVERALL INTERPRETATION

The study shows that digital payment and FinTech services are widely accepted among the respondents. Most respondents are aware of digital payment methods and regularly use them for financial transactions. UPI is the most frequently used payment method, followed by mobile banking, debit/credit cards, digital wallets and internet banking. The majority of respondents are also satisfied with digital payment and FinTech services. Overall, the findings indicate that convenience, accessibility and ease of use play an important role in the growing use of digital payments and FinTech services.

FINDINGS OF THE STUDY

- The study found that most respondents are aware of digital payment methods and FinTech services.
- UPI is the most frequently used digital payment method, preferred by 60% of the respondents.
- Mobile banking is the second most used digital payment method among the respondents.
- Most respondents are satisfied with digital payment and FinTech services.
- Digital payments provide convenience, speed and easy access to financial transactions.
- FinTech services have contributed to the increased use of technology-based financial services among the respondents.
- A small proportion of respondents continue to face difficulties or dissatisfaction while using digital payment services.

SUGGESTIONS

- **Increase Digital Awareness**

Awareness programmes should be conducted to educate users about digital payments and FinTech services.

- **Improve Security**

Digital payment platforms should strengthen security measures to protect users from fraud and unauthorized transactions.

- **Provide User Education**

Users should be educated about safe payment practices, strong passwords, OTP security and avoiding suspicious links.

- **Improve Technical Support**

Payment service providers should provide quick and effective support for failed transactions and technical problems.

- **Promote Digital Literacy**

Special efforts should be made to improve digital literacy among people who are less familiar with technology-based financial services.

- **Enhance Service Reliability**

FinTech platforms should work towards reducing transaction failures and improving the reliability and speed of digital payment services.

SCOPE OF THE STUDY

- The study focuses on the awareness and usage of digital payment methods and FinTech services among users.
- It covers digital payment methods such as UPI, mobile banking, debit/credit cards, digital wallets and internet banking.
- The study examines the convenience, accessibility and satisfaction associated with digital payment and FinTech services.
- It also considers the challenges and security concerns faced by users while making digital transactions.
- The study helps to understand the growing role of technology in modern financial transactions and the changing preferences of users.

LIMITATIONS OF THE STUDY

- **Limited Sample Size**

The study is based on a limited number of respondents, so the findings may not represent the views of all digital payment users.

- **Limited Study Area**
  The study is restricted to a specific geographical area, which may limit the general applicability of the findings.
- **Time Constraint**
  The study was conducted within a limited period, restricting the extent of data collection and analysis.
- **Changing Technology**
  Digital payment and FinTech services are continuously developing, so user preferences and technologies may change over time.
- **Respondent-Based Information**
  The study depends on the information provided by respondents, and differences in their knowledge and understanding may affect the accuracy of the findings.

CONCLUSION

The study concludes that digital payments and FinTech services have become an important part of modern financial transactions. The findings show that most respondents are aware of and regularly use digital payment methods, with UPI being the most used method. Most respondents are satisfied with these services because of their convenience, speed and accessibility. However, security concerns and technical issues remain areas that require attention. Overall, the continued development of digital payment and FinTech services can contribute to a more convenient and technology-driven financial system.

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