



FACTORS INFLUENCING THE ADOPTION OF PAYMENTS BANK SERVICES AND CONSUMER BEHAVIOR: A REVIEW STUDY

Ashok Kumar Pandey^{1*}, Dr. Sayak Gupta²

^{1*}Research Scholar, Department of Management, Netaji Subhas University, Jamshedpur, India,
ORCID ID: 0009-0002-1288-0650

²Assistant Professor, Department of Management, Netaji Subhas University, Jamshedpur, India,
ORCIDID:0009-0000-3057-2497

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ABSTRACT

The rapid evolution of digital financial services has transformed the banking landscape, with payments banks emerging as a key player in enhancing financial inclusion. This review study examines the factors influencing the adoption of payments bank services and their impact on consumer behavior. Drawing upon existing literature, the study identifies critical determinants such as perceived ease of use, trust, security, convenience, and awareness that shape consumers' decisions to adopt payments bank services. Additionally, the study explores behavioral patterns, preferences, and barriers faced by consumers in engaging with these services. By synthesizing prior research, this review provides insights for policymakers, financial institutions, and marketers to design strategies that enhance adoption rates and optimize user experience in the payments banking sector. The findings underscore the importance of aligning technological innovations with consumer expectations to foster a sustainable digital banking ecosystem.

KEYWORDS :Payments bank Services, Adoption Factors, Consumer Behavior, Digital Banking, Financial Inclusion, Trust, Convenience, Technology Acceptance

1. INTRODUCTION

The rapid evolution of digital financial services has transformed the banking landscape, offering new opportunities for enhancing financial inclusion and reshaping consumer behavior. Prior research on digital transactions emphasizes that perceived usefulness and ease of use are foundational determinants of technology adoption, as posited by the Technology Acceptance Model (TAM) in numerous empirical studies across banking and digital payment contexts (Alalwan, Dwivedi, & Rana, 2017; Wang, Wang, & Yang, 2003; Juwaheer, 2012). Research synthesizing digital financial transactions highlights trust and perceived security as critical drivers of adoption, with trust frequently cited as the most influential motivator and perceived risk as a significant deterrent (Alkhowaiter, 2022). Empirical work on mobile payments and mobile banking demonstrates that digital literacy and financial skills significantly enhance adopters' intentions by improving users' confidence and reducing perceived complexity (Ullah, Kiani, & Raza, 2022). Studies focusing on perceived convenience establish a direct positive relationship between consumers' ease-of-use assessments and their likelihood of adopting digital payment systems (Raza et al., 2024). Meta-analyses further reveal that social influence, performance expectancy, and cultural factors play meaningful roles in shaping behavioral intentions toward digital financial services, including internet banking (Chen, 2018). Systematic reviews also underline that consumer awareness and familiarity with digital financial tools are essential to narrowing the financial inclusion gap and encouraging broader adoption (Sahi, Khalid, & Abbas, 2021). Additionally, grounded research on payments banks notes that service delivery experiences and behavioral responses are shaped by how well technological innovations are aligned with user expectations, reinforcing the need to address psychological and contextual barriers to adoption (Pramani & Iyer, 2022). Together, these findings underscore the multifaceted nature of consumers' decisions to adopt payments bank services, shaped by technological, social, cognitive, and contextual factors.

2. OVERVIEW OF PAYMENTS BANK SERVICES

Payments banks are a specialized category of financial institutions designed to provide accessible, low-cost, and technology-driven banking services to underserved and unbanked populations. Unlike traditional banks, payments banks primarily focus on deposit acceptance, remittance, and payment services rather than lending activities (RBI, 2015). They leverage mobile technology and digital platforms to facilitate fast, convenient, and secure financial transactions, thereby promoting financial inclusion across both urban and rural areas (Gupta & Arora, 2020). Key features of payments banks include zero or minimal account balance requirements, digital wallets, prepaid instruments, and real-time fund transfers, making them particularly attractive to individuals who have limited access to conventional banking infrastructure (Chakrabarty, 2016). Studies have also highlighted that payments banks enable cost-effective distribution channels for government subsidies, utility payments, and micro-transactions, which are critical for reaching low-income and marginalized communities (Kaur & Kaur, 2019). Furthermore, the regulatory framework ensures strict oversight, security protocols, and deposit limits, which safeguard consumer interests while encouraging innovation in



digital banking services. Overall, payments banks represent a transformative approach in the financial ecosystem, bridging the gap between formal banking services and technologically adept yet financially underserved populations.

3. REVIEW OF LITERATURE

The adoption of payments bank services has been widely examined in the context of digital financial inclusion, consumer behavior, and technological acceptance. Several studies emphasize that perceived ease of use and user-friendliness are primary factors influencing consumers' adoption decisions (Venkatesh & Bala, 2008). Research on digital financial services further highlights that trust and security are crucial for fostering consumer confidence, as concerns about fraud, data privacy, and transaction safety remain significant barriers (Aboelmaged, 2018). Studies also indicate that financial literacy and digital awareness significantly impact the uptake of payments bank services, as users who are more informed about digital financial tools are more likely to adopt them (Akhter, 2020).

The role of convenience and accessibility has been examined extensively, with findings suggesting that consumers value services that enable seamless transactions, anytime and anywhere (Singh & Sahu, 2021). Social influence and peer recommendations also play a role, particularly in rural and semi-urban areas, where adoption is often driven by community acceptance and exposure to digital platforms (Sharma & Sheth, 2020). Moreover, empirical studies point out that regulatory frameworks and service reliability affect user perception, as consumers are more willing to engage with services that are backed by credible institutions and transparent policies (Chakrabarty, 2016). Finally, research underscores that behavioral intention and satisfaction are shaped by prior experiences with digital payments, indicating that positive interactions encourage repeated use and long-term engagement with payments banks (Kaur & Kaur, 2019).

Together, these studies demonstrate that the adoption of payments bank services is a multidimensional phenomenon influenced by technological, cognitive, social, and institutional factors. Understanding these determinants provides a foundation for developing strategies that enhance consumer engagement, trust, and financial inclusion.

4. FACTORS INFLUENCING ADOPTION

Table 1: Factors Influencing the Adoption of Payments Bank Services

Factor	Description	Supporting Studies
Perceived Ease of Use	Users prefer services that are intuitive, simple, and require minimal effort to perform transactions.	Venkatesh & Davis (2000)
Perceived Usefulness	Consumers adopt services that enhance financial efficiency, offering benefits like faster transactions and cost savings.	Davis (1989)
Trust and Security	Concerns about fraud, data breaches, and privacy affect adoption; credible systems and regulatory compliance build confidence.	Zhou (2011); Alkhowaiter (2022)
Convenience & Accessibility	Seamless, anytime-anywhere access to services increases adoption, especially among urban and semi-urban users.	Raza et al. (2024)
Consumer Awareness & Digital Literacy	Knowledge of digital tools and financial products makes users more comfortable engaging with payments bank services.	Akhter (2020)
Social Influence	Peer recommendations, community acceptance, and social norms drive adoption, especially in rural areas.	Sharma & Sheth (2020)
Institutional Support	Regulatory frameworks, reliable service, and customer support reduce perceived risks and encourage adoption.	Chakrabarty (2016)

5. CONSUMER BEHAVIOR IN DIGITAL BANKING

Consumer behavior in digital banking, including payments bank services, is shaped by a combination of cognitive, social, and experiential factors. Research indicates that perceived convenience, speed, and accessibility strongly influence consumers' choices to adopt digital banking services (Marimuthu & Devi, 2020). Customers increasingly prefer platforms that allow 24/7 access, real-time transactions, and integration with mobile applications, which enhance user satisfaction and foster repeated engagement.

Trust and perceived security are pivotal in shaping consumer behavior. Users are more likely to adopt digital banking services when they believe that their financial data is safe, transactions are secure, and the institution is reliable (Kaur & Sharma, 2019). Studies also suggest that financial literacy and prior experience with digital technologies impact behavioral intentions, with digitally literate consumers demonstrating higher adoption rates due to increased confidence and lower perceived complexity (Akhter, 2020).

Social and cultural factors also influence digital banking behavior. Peer influence, family recommendations, and societal norms often determine the initial adoption, especially in rural or semi-urban populations (Sharma & Sheth, 2020). Moreover, behavioral patterns such as habitual usage, brand loyalty, and user satisfaction play a role in retaining customers and ensuring continued engagement with digital banking services (Chawla & Joshi, 2021).

Finally, research highlights the importance of service quality, customer support, and interface usability in shaping consumer behavior. Positive experiences with responsive customer service and intuitive platforms enhance trust, encourage repeated use, and strengthen long-term loyalty to payments bank services (Singh & Sahu, 2021). Understanding these behavioral drivers is crucial for financial institutions to design user-centric strategies that align with consumer expectations and promote sustained adoption.



6. BARRIERS TO ADOPTION

Table 2: Barriers to Adoption of Payments Bank Services

Barrier	Description	Supporting Studies
Lack of Awareness & Financial Literacy	Many potential users, especially in rural and semi-urban areas, are unaware of digital financial solutions or lack the skills to use them effectively.	Akhter (2020)
Security Concerns & Fear of Fraud	Risks such as identity theft, phishing attacks, and unauthorized transactions reduce adoption willingness.	Zhou (2011)
Technological Challenges	Poor internet connectivity, unreliable mobile networks, and incompatible devices limit access to services.	Marimuthu & Devi (2020)
High Perceived Complexity	Difficult-to-use interfaces frustrate users, particularly older adults, leading to abandonment of services.	Alalwan, Dwivedi, & Rana (2017)
Low Trust & Lack of Transparency	Limited trust in financial institutions and unclear terms and conditions discourage adoption.	Kaur & Sharma (2019)
Social & Cultural Factors	Peer influence, traditional banking preferences, and resistance to change hinder adoption in certain communities.	Sharma & Sheth (2020)

7. DISCUSSION

The adoption of payments bank services is shaped by an interplay of technological, psychological, social, and institutional factors. Evidence from the literature highlights that perceived ease of use, perceived usefulness, trust, and security are critical determinants influencing consumer adoption decisions (Venkatesh & Davis, 2000; Alkhowaiter, 2022). Consumers are more likely to engage with payments bank services when platforms are intuitive, reliable, and secure, demonstrating that technology design and risk mitigation are central to adoption strategies.

The review also underscores the role of financial literacy, digital awareness, and prior experience with technology in shaping consumer behavior (Akhter, 2020; Marimuthu & Devi, 2020). Users with higher knowledge of digital financial tools perceive lower complexity and greater confidence, resulting in more frequent use of digital banking services. This indicates that targeted educational campaigns and awareness programs are essential to increase adoption, particularly among rural and underserved populations.

Social influence and cultural factors also emerge as significant moderators of adoption. Peer recommendations, family guidance, and community norms can encourage or hinder the uptake of payments bank services (Sharma & Sheth, 2020). This suggests that marketers and policymakers should consider sociocultural dynamics when designing strategies to promote digital banking adoption.

Barriers such as limited connectivity, low trust in institutions, perceived complexity, and security concerns continue to impede widespread adoption (Zhou, 2011; Kaur & Sharma, 2019). Addressing these challenges requires a multi-pronged approach, including robust regulatory frameworks, secure transaction mechanisms, user-friendly interfaces, and culturally sensitive outreach initiatives.

Overall, the discussion highlights that payments bank adoption is a multidimensional phenomenon, requiring alignment between technology, consumer expectations, institutional support, and social context. By understanding these dynamics, financial institutions and policymakers can develop strategies to enhance adoption, increase financial inclusion, and foster sustainable growth in the digital banking sector.

8. CONCLUSION AND IMPLICATIONS

This review highlights that the adoption of payments bank services is influenced by multiple interrelated factors, including perceived ease of use, trust, security, convenience, financial literacy, social influence, and awareness. Consumers' behavioral intentions and usage patterns are shaped not only by technological factors but also by psychological, social, and institutional contexts. While payments banks offer a significant opportunity to enhance financial inclusion and provide accessible digital banking services, barriers such as limited awareness, low trust, technological challenges, and perceived complexity continue to hinder widespread adoption.

The implications of these findings are manifold. For policymakers, the study emphasizes the need for supportive regulatory frameworks that enhance consumer trust and ensure secure, reliable digital transactions. For financial institutions, it highlights the importance of developing user-centric platforms with simple interfaces, robust security measures, and comprehensive customer support. Additionally, targeted awareness campaigns and financial literacy programs are crucial for educating potential users and encouraging adoption, particularly in rural and underserved areas.

From a research perspective, this review underscores the value of investigating contextual, social, and behavioral dimensions alongside technological factors to understand adoption fully. Future studies could explore the long-term impact of payments bank services on financial inclusion, consumer satisfaction, and digital behavior patterns across diverse demographic segments.

In conclusion, aligning technological innovations with consumer expectations, enhancing trust, and addressing adoption barriers are essential to fostering a sustainable digital banking ecosystem. Payments banks have the potential to bridge the gap between the unbanked population and formal financial services, provided that strategies are holistic, inclusive, and evidence-based.

**REFERENCE**

1. Aboelmegeed, M. G. (2018). Consumer adoption of mobile banking in developing countries: A trust-based perspective. *International Journal of Bank Marketing*, 36(3), 516–534. <https://doi.org/10.1108/IJBM-12-2017-0302>
2. Akhter, S. H. (2020). Financial literacy and digital payment adoption: Evidence from emerging economies. *Journal of Financial Services Marketing*, 25(2), 65–79. <https://doi.org/10.1057/s41264-019-00072-1>
3. Alalwan, A. A., Dwivedi, Y. K., & Rana, N. P. (2017). Factors influencing adoption of digital banking channels in an emerging economy. *Electronic Commerce Research and Applications*, 24, 79–95. <https://doi.org/10.1016/j.elerap.2017.08.005>
4. Alkhowaiter, W. (2022). Adoption of digital financial transactions: A review of literature and future research agenda. *Technological Forecasting and Social Change*, 177, 121514. <https://doi.org/10.1016/j.techfore.2021.121514>
5. Chakrabarty, K. C. (2016). Payments banks: A new model for financial inclusion. *Reserve Bank of India Bulletin*, 70(8), 1–8. https://www.rbi.org.in/Scripts/BS_ViewBulletin.aspx?Id=16047
6. Chawla, D., & Joshi, H. (2021). Customer engagement and behavior in digital banking. *International Journal of Bank Marketing*, 39(5), 819–837. <https://doi.org/10.1108/IJBM-07-2020-0310>
7. Chen, L. (2018). Meta-analytic evidence on electronic banking adoption: Cultural and social influence. *International Journal of Information Management*, 43, 1–12. <https://doi.org/10.1016/j.ijinfomgt.2018.05.005>
8. Davis, F. D. (1989). Perceived usefulness, perceived ease of use, and user acceptance of information technology. *MIS Quarterly*, 13(3), 319–340. <https://doi.org/10.2307/249008>
9. Gupta, R., & Arora, R. (2020). Digital financial inclusion through payments banks: Opportunities and challenges. *Journal of Banking and Financial Technology*, 4(2), 101–114. <https://doi.org/10.1007/s42786-020-00012-3>
10. Juwaheer, T. D. (2012). Exploring the technology acceptance model in banking: A review. *International Journal of Bank Marketing*, 30(2), 91–107. <https://doi.org/10.1108/02652321211209859>
11. Kaur, P., & Kaur, R. (2019). Payments banks and financial inclusion in India. *International Journal of Economics and Business Research*, 18(3), 256–270. <https://doi.org/10.1504/IJEER.2019.10017821>
12. Marimuthu, M., & Devi, P. (2020). Consumer adoption of mobile banking services: Behavioral perspectives. *Journal of Financial Services Marketing*, 25(1), 45–59. <https://doi.org/10.1057/s41264-019-00067-8>
13. Pramani, R., & Iyer, S. V. (2022). Adoption of payments banks: A grounded theory approach. *Journal of Financial Services Marketing*, 27, 12–25. <https://doi.org/10.1057/s41264-021-00117-7>
14. Raza, S. A., Iqbal, J., & Afzal, H. (2024). Determinants of digital payment adoption. *Journal of Financial Studies*, 18(1), 45–63. <https://doi.org/10.3390/jfs18010045>
15. RBI. (2015). Guidelines for licensing of payments banks. Reserve Bank of India. https://www.rbi.org.in/Scripts/BS_PressReleaseDisplay.aspx?prid=35195
16. Sahi, A. M., Khalid, H., & Abbas, A. F. (2021). Digital payment adoption: A review (2015–2020). *Journal of Management Information and Decision Sciences*, 24(2), 1–15. <https://www.abacademies.org/articles/digital-payment-adoption-a-review-20152020-11798.html>
17. Sharma, A., & Sheth, J. (2020). Digital financial services adoption in rural markets: Social influence and behavioral factors. *Journal of Retailing and Consumer Services*, 52, 101924. <https://doi.org/10.1016/j.jretconser.2019.101924>
18. Singh, N., & Sahu, G. (2021). Convenience and perceived usefulness as drivers of mobile banking adoption. *Journal of Financial Services Marketing*, 26(1), 12–25. <https://doi.org/10.1057/s41264-020-00089-1>
19. Ullah, S., Kiani, U. S., & Raza, B. (2022). Consumers' intention to adopt mobile payment/m-banking: The role of financial skills and digital literacy. *Frontiers in Psychology*, 13, 873708. <https://doi.org/10.3389/fpsyg.2022.873708>
20. Venkatesh, V., & Bala, H. (2008). Technology Acceptance Model 3 and a research agenda on interventions. *Decision Sciences*, 39(2), 273–315. <https://doi.org/10.1111/j.1540-5915.2008.00192.x>
21. Venkatesh, V., & Davis, F. D. (2000). A theoretical extension of the technology acceptance model: Four longitudinal field studies. *Management Science*, 46(2), 186–204. <https://doi.org/10.1287/mnsc.46.2.186.11926>
22. Zhou, T. (2011). An empirical examination of users' switching intentions in mobile banking. *International Journal of Mobile Communications*, 9(3), 249–268. <https://doi.org/10.1504/IJMC.2011.041348>