Impact Study of Fintech and Digital Financial Services on Financial Inclusion: Evidences from India

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Abstract:

India has taken critical steps in monetary consideration lately, with a remarkable expansion in the quantity of people holding ledgers, presently arriving at near 80%. Simultaneously, the rise of fintech organizations in the nation has additionally impelled endeavors to extend monetary administrations, especially to the underbanked sections of the populace. To upgrade monetary incorporation and cultivate a favorable climate for fintech firms, India should proceed with its endeavors to expand admittance to monetary administrations. This study utilizes relapse and relationship examination, utilizing optional information from the Hold Bank of India (RBI), to evaluate the effect of fintech and computerized monetary administrations on monetary consideration in India. The discoveries demonstrate that fintech endeavors play had a huge impact in progressing monetary consideration, especially among the working class. These outcomes offer significant experiences for policymakers endeavoring to coordinate each person into a formalized monetary framework, in this manner advancing financial consideration and flexibility.

Keywords: Behavioral Finance, fintech, Digital &financial services, behavioral and intention, Financial expectations and inclusions

1. Introduction

This research aimed to evaluate how people's behavioral intentions influence the adoption of fintech services, considering factors like trust, usability, and social influence. These elements are crucial dimensions in the context of financial inclusion, especially in a country like India. Despite being one of the fastest-growing nations globally, large segments of India, particularly rural and tribal areas, lack access to formal banking services, hindering economic progress and perpetuating poverty. The underserved populations face challenges in managing their finances due to irregular income streams, necessitating easy access to savings, microcredits, insurance, and payment services. However, their reliance on informal networks often entails higher costs and lower reliability than formal financial channels. The emergence of financial technology, or fintech, has been transformative, particularly following the global financial crisis of 2007-2008. Fintech innovations have revolutionized the financial sector by introducing new technologies, offering alternative solutions to traditional banking services. In India, the rapid expansion of mobile networks, especially in previously underserved regions, has been a significant driver of fintech adoption. Mobile-based banking has become instrumental in extending financial services to remote areas, contributing to the broader goals of financial inclusion and economic development. As such, understanding the factors influencing the adoption of fintech services becomes pivotal in leveraging technology to bridge the financial inclusion gap and foster sustainable development. The emergence of payment banks has brought about a significant transformation in the financial landscape of India, particularly in rural and semi-urban areas. These banks have not only improved operational efficiency but also reduced the costs associated with delivering financial services to underserved populations. The establishment of an inclusive financial sector contributes to economic development by connecting excluded individuals to the market and drawing new participants into the economy, thus alleviating poverty and enhancing standards of living. Financial inclusion initiatives have led to the development of innovative banking models, including small banks, mobile money services, and payment banks, catering to the unbanked population. Additionally, non-bank fintech firms are competing for a larger share of the banking value chain, further advancing financial inclusion efforts. However, while fintech startups benefit from flexible regulatory

requirements and government support, they face challenges in gaining the trust of Indian customers, known for their cautious financial behavior. Addressing these challenges requires understanding customer needs, influencing financial behavior, and establishing robust regulatory frameworks to keep pace with technological innovations. Traditional banking institutions, on the other hand, can leverage their existing customer base and implement digital solutions to enhance service effectiveness and expand access. The disruptive potential of fintech companies may drive much-needed modernization in the conventional banking industry, leading to cost reductions and increased banking accessibility. In response to these changes, collaborative efforts between traditional financial institutions and fintech startups are underway to develop innovative financial solutions. Furthermore, international players like Barclays and Goldman Sachs are showing interest in investing in India's fintech startup ecosystem. The Reserve Bank of India (RBI) and the government have been promoting financial inclusion through various initiatives, fostering competition and innovation in the fintech industry. The RBI's support for initiatives like the Unified Payments Interface and authorization of fintech companies to launch payment banks reflects its commitment to expanding financial access.

Overall, fintech companies have the potential to accelerate financial inclusion by lowering costs and enhancing access to financial services, especially for underserved populations. Understanding the various perspectives and contributions of fintech in financial inclusion is crucial for realizing its transformative impact on India's banking sector and economy. This study aims to explore these factors comprehensively to shed light on the role of fintech in advancing financial inclusion in India.

2.Concerned Literatures

The literature review highlights the close relationship between financial inclusion and economic development, particularly in developing countries. Microfinance initiatives were introduced with the aim of promoting financial sector growth and expanding access to financial services for underserved populations. Studies by Duncombe and Boateng (2009) and Iqbal et al. (2019) emphasize the strong association between financial inclusion and economic expansion. Innovations in financial technology, as noted by Jack and Suri (2014), have the potential to reduce transaction costs and increase efficiency, benefiting micro and small enterprises by lowering the expenses associated with payment solutions. Moreover, empirical analyses by Aron (2018) and Mbiti and Weil (2013) suggest that mobile money services contribute to risk-sharing and lead to a decrease in the use of informal savings methods, while increasing remittance transactions. These findings underscore the role of fintech in enhancing financial inclusion and reducing reliance on traditional banking services. Additionally, studies by Ghosh (2020) and Masino and Niño-Zarazúa (2018) explore the digitalization of social support programs, highlighting the potential of fintech to improve access to financial services for vulnerable populations.

In the context of India, Singh et al. (2013) and Rathod and Arelli (2013) discuss the institutional shortcomings contributing to the lack of financial access in impoverished areas. Microfinance programs have been launched to address these challenges, but there is still a significant unmet demand for financial services among the poor. Singh and Singh (2012) emphasize the need for innovative approaches to financial inclusion in India, including the adoption of mobile money and the development of new partnerships. This suggests that traditional financial institutions and fintech startups must collaborate to address the diverse needs of underserved populations. Furthermore, Banna et al. (2021) examine the relationship between fintech-based financial inclusion and banks' risk-taking behavior, highlighting the importance of understanding the impact of fintech on banking operations. Additionally, Dang and Nguyen (2021) emphasize the significance of blockchain technology in fostering ecosystem development and creating new business opportunities. Understanding the dynamics of blockchain ecosystems can guide future research and inform policymaking to promote financial inclusion and technological innovation. Overall, the literature review underscores the multifaceted nature of financial inclusion and the role of fintech in driving economic development and expanding access to financial services.

Financial exclusion, particularly among economically disadvantaged populations, poses a significant obstacle to poverty eradication efforts. Cultural and procedural barriers impede the participation of stakeholders in the fintech ecosystem, hindering the full realization of mobile money systems' potential in rural areas. There is a pressing need for innovative solutions to extend financial services to underserved populations, necessitating a shift in focus towards creating technological solutions for these marginalized groups (Khan, 2012; Schuetz and Venkatesh, 2020). Research on financial

inclusion for the bottom of the pyramid (B.O.P.) in Indian society must evolve to address the specific needs of these populations. However, there is a notable lack of empirical research in India that identifies the key factors driving the successful adoption of technology for expanding financial services. This gap underscores the urgency of conducting research dedicated to the inclusion and empowerment of economically disadvantaged individuals (Mannan and Pek, 2021; Gautam and Rawat, 2017).

Furthermore, there is a dearth of attention given to the social and cultural contexts in which these technologies are deployed. Understanding these contexts is crucial for designing effective and culturally sensitive financial solutions for marginalized communities. The study aims to shed light on this research gap and emphasize the importance of considering socio-cultural factors in fintech interventions aimed at promoting financial inclusion (Reddy, 2021). In addition to addressing financial exclusion, the study also examines the role of digital technology in creating economic opportunities and alleviating poverty. By empirically analyzing entrepreneurial activities in economically disadvantaged neighborhoods, the study seeks to understand how digital technology can contribute to job creation and economic empowerment among marginalized communities. This holistic approach underscores the transformative potential of digital technology in driving socioeconomic development and fostering greater inclusion (Reddy, 2021).

Table 1. Constructs and variables.

Construct	Code	Variable
Behavioral Intention (BI)	BI1	I mean to add to the development of admittance to monetary administrations through the use of fintech.
	BI2	I will constantly give primary goal to utilizing versatile administrations in light of monetary innovation whenever the situation allows.
	BI3	I plan to continue to execute fintech for monetary consideration.
	BI4	It is my Expectation to add to monetary consideration through the utilization of fintech.
Social Influence (SI)	SI1	Monetary innovation and administrations for the monetarily barred are things I should utilize.
	SI2	Peers who affect my choices suggested that I evaluate monetary consideration contributions fueled by fintech.
	SI3	Almost certainly, I will utilize monetary consideration administrations in view of fintech on the off chance that they are made a decision about well by individuals whose assessment I esteem.
Service Trust (ST)	ST1	Administrations for the monetarily barred that depend on fintech have been shown to be solid.
	ST2	Monetary innovation (fintech)- based administrations for the underserved should be maneuvered carefully.
	ST3	Because of my earlier certain involvement in such administrations, I have confidence in administrations in view of monetary innovation.
Usability (UB)	UB1	With regards to monetary consideration, I'm probably going to utilize administrations fueled by monetary innovation.
	UB2	I consistently utilize administrations that advance monetary consideration that are empowered by progresses in monetary innovation.
	UB3	A few of the administrations that depend on fintech are mean a lot to me.

Use of Fintech for Financial Inclusion (FTFI)	FTFI1	It is feasible to utilize fintech to grow admittance to banking administrations in India's rustic regions.
	FTFI2	Monetary consideration in India's rustic regions can be accomplished through the use of fintech by expanding family pay.
	FTFI3	Monetary consideration in rustic India can be accomplished through the use of Fintech by expanding reserve funds rates.

The review fills a basic hole in observational exploration concerning the job of monetary innovation (fintech) in cultivating monetary consideration, especially in creating economies. Earlier examination has adopted a relevant strategy, zeroing in on destitution easing in less evolved districts, yet couple of studies have straightforwardly tended to the achievement factors for monetary consideration through portable innovation here. This article expects to add to the comprehension of monetary consideration elements and give experiences to policymakers exploring this complex and advancing scene. By utilizing both subjective and quantitative techniques, the review offers a thorough examination. Subjective strategies consider an investigation of reception hypotheses and mental elements impacting innovation reception, giving significant experiences into the nuanced ways of behaving and perspectives of people towards fintech reception. Then again, quantitative techniques, for example, corroborative component examination and primary condition displaying, empower the thorough testing of speculations and the measurement of fintech's effect on monetary consideration in country India. The proposed model, portrayed in Figure 1, fills in as a calculated structure for understanding the exchange between fintech reception and monetary consideration results. It portrays the pathways through which fintech can add to extending admittance to monetary administrations in country regions, featuring the vital factors and their connections inside the model. By coordinating subjective experiences with quantitative examination, the review plans to give a powerful comprehension of the elements driving fintech reception and its suggestions for monetary consideration endeavors in immature districts. By and large, this examination not just adds to the scholarly writing on monetary consideration and fintech yet in addition offers pragmatic bits of knowledge for policymakers and specialists trying to use innovation for comprehensive financial turn of events. By distinguishing the fundamental achievement components for fintech reception in rustic regions, the review expects to illuminate proof based policymaking and guide the plan of mediations pointed toward advancing monetary consideration and business in underserved networks.
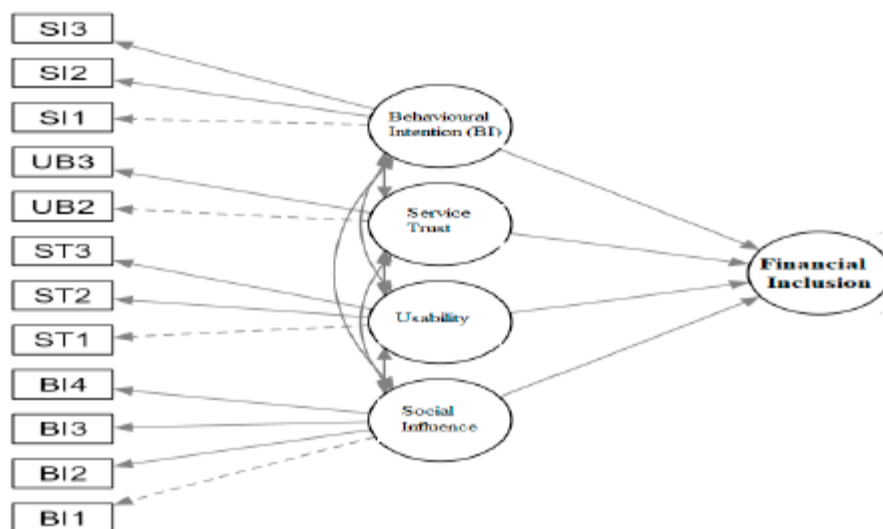

Figure 1. Conceptual framework.

3. Research Methodology

Research strategy in this review utilized inferential measurements to test speculations, expecting to evaluate the job of monetary innovation (fintech) in cultivating monetary consideration in country India. Corroborative element examination was used to distinguish the main contributing variables, while underlying condition demonstrating was utilized to break down the information. The discoveries uncovered that conduct expectation to use innovation in India's provincial area is decidedly impacted by components cultivating social impact. End-clients familiar with financial tech administrations are bound to finish their expectations. Corroborative component examination assumed an imperative part in the review's underlying stages, assisting with distinguishing factors for the reception of monetary developments. Measurable tests were directed to find out the presence and strength of relationship, while primary condition displaying was essential in testing speculations and evaluating fintech's effect on monetary consideration by means of versatile cash administrations. With respect to test plan, the review designated clients of monetary innovation and country entrepreneurs using versatile cash and other fintech administrations. Given the inconceivability of getting suppositions from the whole populace of roughly 130 billion individuals, a delineated critical testing approach was utilized. Respondents from three areas in Haryana state, in particular Gurugram, Hisar, and Jhajjar, were arbitrarily chosen to shape the example outline. A sum of 400 respondents partook in the overview, giving shut finished survey reactions. Information assortment occurred between July 2022 and September 2022, with scientists overseeing the polls straightforwardly because of respondents' restricted knowledge of online review stages. Essential information assortment basically used studies, zeroing in on rustic region of India's principal districts, with delineated testing techniques utilized to guarantee portrayal across socioeconomics. An organized poll, integrating Likert rating scales and ostensible and rank-request scales, worked with information scaling and investigation.

4.Results and Discussion

In the results section, Table 2 displays the coerced variables. For the model to be deemed valid, both the Comparative Fit Index (CFI) and Tucker-Lewis Index (TLI) should be at least 0.90, and in this study, both conditions were satisfied. Specifically, Table 3 illustrates that the values of CFI and TLI were calculated to be 0.997 and 0.996, respectively. These values indicate strong support for the validity of the model, suggesting a high level of fit between the observed data and the proposed theoretical model.

Table 2 :Model information.

Feature	Description
Number of Observations	400
Free Parameters	85
Model Constructs	
Behavioral Intention	I1 (unspecified) + BI2 + BI3 + BI4
Service Trust	ST1 + ST2 + ST3
Usability	UB2 + UB3
Social Influence	SI1 + SI2 + SI3
Fintech for Financial Inclusion	FTFI1 + FTFI2 + FTFI3
Model Equation	Fintech for Financial Inclusion = Behavioral Intention + Service Trust + Usability + Social Influence
Variable Type	Ordered

Table 3: Model Fit Indices

Model Fit Index	Value
Comparative Fit Index (CFI)	0.997
Tucker–Lewis Index (TLI)	0.996

Table 4 presents parameter estimations for four predictors—behavioral intention, service trust, usability, and social influence—and their respective impacts on financial inclusion, particularly due to disruptions caused by fintech companies over the past decade. Among these predictors, service trust emerged as the most influential factor, with an estimated coefficient of 0.3823, signifying its significant impact on financial inclusion. This suggests that individuals perceive fintech services as reliable and trustworthy for conducting their financial transactions, thus contributing to their adoption. Social influence followed as the second most notable indicator of financial inclusion, although its coefficient of 0.2304 was not deemed statistically significant.

Behavioral intention to utilize fintech products was identified as the third significant factor affecting financial inclusion, with a significant estimated coefficient. This implies that individuals' intentions to engage with fintech solutions play a crucial role in facilitating financial inclusion initiatives. Additionally, usability was also found to have a noteworthy impact, albeit with a smaller coefficient of 0.0839 compared to service trust and behavioral intention. Notably, except for social influence, all other predictor variables surpassed the threshold value of significance, reinforcing their importance in shaping financial inclusion outcomes. Overall, these findings underscore the pivotal role of trust in fintech services, users' intentions, and the usability of fintech platforms in driving financial inclusion efforts, highlighting the transformative potential of fintech innovations in expanding access to financial services.

Table 4: Structural equation modeling

Dependent Variable	Independent Variable	Estimate (ß)	Standard Error (SE)	Lower Limit (LLCI)	Upper Limit (ULCI)	z-statistic	p-value
Fintech for Financial Inclusion (FTFI)	Behavioral Intention (BI)	0.2221	0.086	0.0535	0.391	2.58	0.01
FTFI	Service Trust (ST)	0.3823	0.156	0.0764	0.688	2.45	0.014
FTFI	Usability (UB)	0.0839	0.0247	0.0355	0.132	3.4	< 0.001
FTFI	Social Influence (SI)	0.2304	0.1795	-0.1215	0.582	1.28	0.199

Structural equation modeling (SEM) comprises two fundamental models: the measurement model and the structural model. The measurement model establishes the relationships between observable data and latent variables, essentially capturing how well the observed variables reflect the underlying constructs. On the other hand, the structural model illustrates the connections between these latent variables, revealing the causal pathways and interdependencies among them. In this study, the focus was on the measurement model, as indicated in Table 5, where the associations between latent and observed variables were assessed. Specifically, regarding behavioral intention (BI), the strength of association between the latent construct of behavioral intention and its observed indicators was examined. Among the observed variables representing behavioral intention, BI4 exhibited the strongest association with the latent construct, with a coefficient of 3.030, indicating a robust alignment between the observed variable (BI4) and the underlying concept of behavioral intention. Conversely, BI2 showed the weakest association, with a coefficient of 0.814, suggesting a comparatively weaker correspondence between this observed variable and the latent construct of behavioral intention.

These findings shed light on the extent to which each observed variable reflects the underlying latent construct, providing insights into the measurement properties of the model. A stronger association between an observed variable and its corresponding latent construct implies that the variable effectively captures the essence of the construct, making it a more reliable indicator in the model. Conversely, weaker associations may indicate limitations or inadequacies in how certain variables capture the intended construct. Understanding these associations is crucial for ensuring the validity and reliability of the measurement model in SEM. By assessing the strength of these relationships, researchers can gauge the effectiveness of their chosen indicators in accurately measuring the latent constructs of interest. Additionally, identifying variables with weaker associations may prompt further refinement or reconsideration of measurement strategies to enhance the model's overall robustness and accuracy in representing the underlying theoretical framework. Overall, the

measurement model serves as a foundational component of SEM, providing a systematic framework for assessing and validating the relationships between observed and latent variables in complex research contexts.

Table 5: latent variables

Latent Variable	Observed Variable	Estimate (ß)	SE	Lower (95% CI)	Upper (95% CI)	z
Behavioral Intention (BI)	BI1	1	Fixed			
BI2	0.814	0.127	0.566	1.062	6.43	<0.001
BI3	2.988	0.352	2.297	3.678	8.48	<0.001
BI4	3.03	0.356	2.333	3.728	8.51	<0.001
Service Trust (ST)	ST1	1	Fixed			
ST2	1.183	0.24	0.713	1.653	4.94	<0.001
ST3	0.915	0.167	0.588	1.243	5.47	<0.001
Usability (UB)	UB1	1	Fixed			
UB2	0.983	0.005	0.973	0.993	195.42	<0.001
Social Influence (SI)	SI1	1	Fixed			
SI2	1.307	0.378	0.566	2.048	3.46	<0.001
SI3	1.313	0.379	0.57	2.056	3.46	<0.001
Fintech for Financial Inclusion (FTFI)	FTFI1	1	Fixed			
FTFI2	1.148	0.248	0.662	1.634	4.63	<0.001
FTFI3	0.592	0.167	0.265	0.919	3.55	<0.001

In the examination of administration trust, the variable ST2 displayed the most grounded affiliation (1.183), demonstrating its importance in affecting impression of dependability in fintech administrations. On the other hand, ST3 showed a more vulnerable affiliation (0.915), proposing a nearly lower influence on view of administration unwavering quality. Concerning, the two factors were viewed as related, with UB1 showing a more grounded affiliation contrasted with UB2, stressing the significance of easy to understand fintech administrations in advancing monetary consideration. Social impact, as the third inactive variable, showed a critical relationship with SI1 (1.313), while SI3 displayed the most elevated connection, demonstrating its more grounded influence on molding people's choices in regards to monetary innovation reception. In conclusion, the dormant variable of fintech for monetary consideration uncovered areas of strength for a with FTFI2, while FTFI showed a less articulated affiliation, featuring its generally more vulnerable impact. The primary condition demonstrating realistic, portrayed in Figure 2, outlines the causal presumptions fundamental the connections between the idle factors. Every bolt in the chart addresses a speculated causal pathway, with boundaries assessed in light of a covariance or relationship lattice, given that the model's boundaries are known. These pathways clarify how the idle develops connect and impact each other inside the primary model. By assessing these boundaries, scientists can construe the strength and directionality of the connections between factors, in this way acquiring experiences into the hidden systems driving monetary consideration through fintech reception. Generally, the primary condition demonstrating realistic fills in as a visual portrayal of the hypothetical structure, outlining the estimated causal connections among idle factors. Through this graphical portrayal, analysts can approve and refine their reasonable models, knowing the multifaceted pathways through which different variables add to the peculiarity under study. Eventually, the primary condition demonstrating approach empowers an exhaustive comprehension of the mind boggling exchange between various factors, working with experiences into the drivers of monetary consideration and the job of fintech in molding these elements.
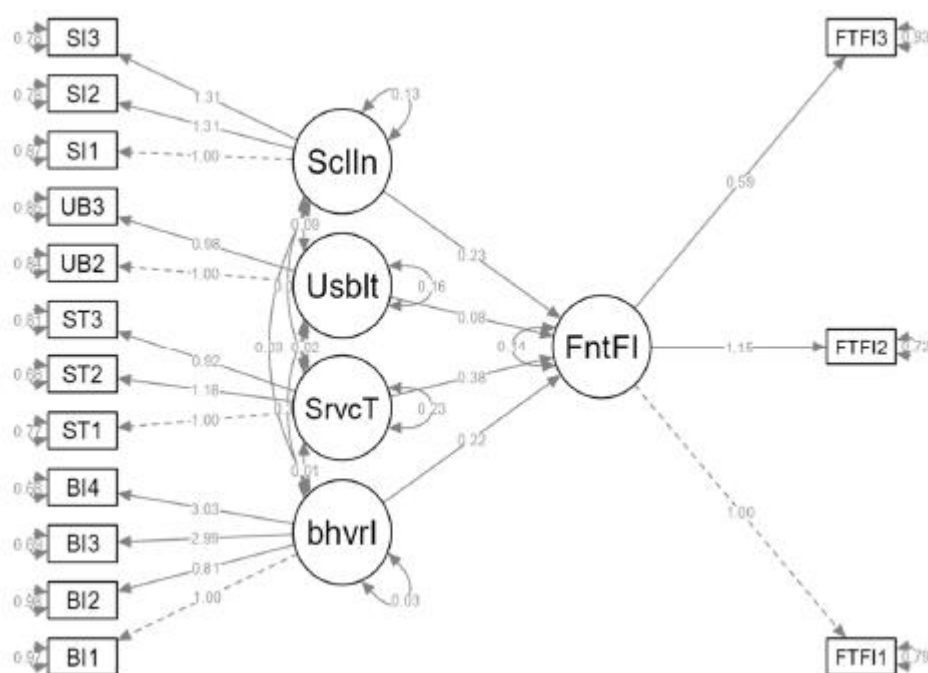
Figure 2. Estimated framework.

In the way graph, the four dormant factors (conduct expectation, administration trust, ease of use, and social impact) are outwardly addressed by circles, while the 12 manifest factors are portrayed by square shapes. This graphical portrayal explains the connections between these factors, uncovering fluctuating levels of relationship among them.Notably, social impact and the ease of use of fintech items showed a somewhat low level of affiliation (0.09) contrasted with other inert variable connections. Notwithstanding this, they stayed the most grounded among every one of the idle variable associations. On the other hand, the relationship among convenience and administration trust (0.02) was available however not so articulated as the connection between friendly impact and ease of use.

Curiously, the connection between administration trust and social goal was distinguished as the most un-huge among every one of the inert variable associations, with a relationship of 0.01. This affiliation was more fragile than those saw between friendly impact and convenience, as well as among ease of use and administration trust. Besides, while the relationship between friendly impact and conduct expectation was not exceptionally critical, it was as yet more grounded than the affiliations including administration trust.Overall, the way outline gives a visual portrayal of the fluctuating qualities of relationship among the dormant factors, offering bits of knowledge into the perplexing exchange between social aim, administration trust, convenience, and social impact in forming people's choices with respect to fintech reception.

Monetary consideration is generally perceived as a basic calculate neediness easing, financial development, and security, especially in immature countries where admittance to essential financial administrations stays restricted for a huge part of the populace. Fintech, including versatile cash administrations, has arisen as a promising answer for overcome this issue, empowering people to manage monetary exchanges and work on their jobs through simpler admittance to banking administrations and open doors for business. Regardless of the capability of fintech in progressing monetary consideration, research in this field is still in its beginning phases, particularly in non-industrial nations like India. Notwithstanding, ongoing examinations have featured the meaning of conduct expectation, administration trust, convenience, and social impact in driving the reception of fintech administrations among monetarily hindered rustic populations.Empirical examinations have uncovered that country occupants in India are progressively embracing fintech administrations for monetary consideration, driven by elements like usability, trust in the administrations, and social impacts. The discoveries from underlying condition displaying show that people who plan to utilize fintech administrations are bound to keep doing as such, determined by sure encounters and view of administration

dependability. Besides, the impact of informal organizations and friends further builds up the reception of fintech administrations, mirroring a developing acknowledgment and combination of these innovations into day to day monetary activities.Trust assumes a significant part in the fintech business, given the immediate ramifications of computerized monetary administrations on people's monetary prosperity. The review highlights the significance of confidence in cultivating the reception of fintech administrations, lining up with past writing featuring trust as a basic calculate the progress of fintech adventures. While the concentrate fundamentally centers around conduct aim, administration trust, ease of use, and social impact, future examination could investigate extra factors, for example, government support as an intervening element, especially with regards to India's steady strategies for fintech companies.The ramifications of this exploration reach out to policymakers, controllers, financial backers, and industry players, giving experiences into the vital drivers of fintech reception and methodologies to advance comprehensive monetary turn of events. By utilizing cell phone innovation and creating custom fitted arrangements and administrations, partners can upgrade open positions, pay levels, and by and large prosperity among residents. Besides, the discoveries add to the improvement of an extensive dataset of fintech recipients, empowering the portable help area to streamline administration conveyance and boost cultural effect while decreasing expenses. Looking forward, the future of fintech is ready for additional development and development, with an accentuation on offering consistent monetary administrations and defeating customary obstructions. Business banks, specifically, play a urgent part to play in this developing scene by teaming up with creative business visionaries and embracing mechanical progressions to remain serious and drive monetary consideration forward. Hence, future examination can investigate how banks comprehend and explore their part in this unique climate, guaranteeing they stay at the front of monetary administrations development and meet the advancing necessities of clients in the computerized age.

5. Conclusion

All in all, the exploration on monetary consideration and the job of fintech in country India reveals insight into the basic variables driving the reception of computerized monetary administrations among monetarily distraught populaces. The review highlights the meaning of conduct goal, administration trust, convenience, and social impact in molding people's choices to use fintech answers for their monetary necessities. These discoveries feature the developing acknowledgment and incorporation of fintech into the day to day routines of rustic occupants, flagging a positive pattern towards more prominent monetary consideration and empowerment.The ramifications of this exploration stretch out past scholarly community to policymakers, controllers, financial backers, and industry partners, offering significant experiences into techniques for advancing comprehensive monetary turn of events. By utilizing versatile innovation and encouraging confidence in fintech administrations, partners can upgrade admittance to monetary assets, set out work open doors, and work on by and large financial prosperity among rustic networks. Besides, the review adds to the improvement of a thorough dataset of fintech recipients, empowering the portable help area to upgrade administration conveyance and boost cultural effect while diminishing costs.Looking ahead, the future of fintech holds monstrous potential for additional development and development, with a rising accentuation on offering consistent, easy to use monetary administrations and conquering customary boundaries to get to. Business banks and other monetary foundations play a critical part to play in this development, as they adjust to changing purchaser inclinations and embrace mechanical progressions to remain serious in the computerized age. Thusly, future exploration can investigate the developing job of banks in cultivating monetary consideration and driving development in the fintech environment, at last adding to a more comprehensive and strong monetary framework for all.

References

1. Ajzen, I. (1991). The theory of planned behavior. Organizational Behavior and Human Decision Processes, 50, 179–211.
2. Anagnostopoulos, I. (2018). Fintech and Regtech: Impact on Regulators and Banks. Journal of Economics and Business, 100, 7–25.
3. Aron, J. (2018). Mobile Money and the Economy: A Review of the Evidence. The World Bank Research Observer, 33, 135–188.
4. Bagozzi, R. P., & Yi, Y. (1988). On the Evaluation of Structural Equation Models. Journal of the Academy of Marketing Science, 16, 74–94.

5. Banna, H., Hassan, M. K., & Rashid, M. (2021). Fintech-Based Financial Inclusion and Bank Risk-Taking: Evidence from OIC Countries. Journal of International Financial Markets, Institutions and Money, 75, 101447.

6. Black, W., &Babin, B. J. (2019). Multivariate Data Analysis: Its Approach, Evolution, and Impact. In The Great Facilitator. Berlin/Heidelberg: Springer, 121–130.

7. Burns, S. (2018). M-Pesa and the 'Market-Led' Approach to Financial Inclusion. Economic Affairs, 38, 406–421.

8. Cecchetti, S. G., &Schoenholtz, K. (2020). Finance and Technology: What Is Changing and What Is Not. CEPR Discussion Papers, 15352, 1–40.

9. Chang, V., et al. (2020). How Blockchain can Impact Financial Services–the Overview, Challenges and Recommendations from Expert Interviewees. Technological Forecasting and Social Change, 158, 120–166.

10. Chavan, P., &Birajdar, B. (2009). Micro Finance and Financial Inclusion of Women: An Evaluation. Reserve Bank of India Occasional Papers, 30, 109–129.

11. Chouhan, V., et al. (2021a). Developing Sustainable Accounting Framework for Cement Industry: Evidence from India. Finance India, 34, 1459–1474.

12. Chouhan, V., et al. (2021b). Factor Affecting Audit Quality: A study of the companies listed in Bombay Stock Exchange (BSE.). International Journal of Management, 25, 989–999.

13. Chouhan, V., et al. (2021c). Sustainable Reporting: A Case Study of Selected Cement Companies of India. Accounting, 7, 151–160.

14. Chouhan, V., et al. (2021d). Use of Proactive Spare Parts Inventory Management (PSPIM) Techniques for Material Handling Vis-À-Vis Cement Industry. Materials Today: Proceedings, 45, 4383–4389.

15. Chouhan, V., et al. (2021e). Chapter 5 Emerging Opportunities for the Application of Blockchain for Energy Efficiency. In Blockchain 3.0 for Sustainable Development. Boston: De Gruyter, 63–88.

16. Dang, V. C., & Nguyen, Q. K. (2021). Internal Corporate Governance and Stock Price Crash Risk: Evidence from Vietnam. Journal of Sustainable Finance & Investment.

17. Davis, F. D., & Davis, F. (1989). Perceived Usefulness, Perceived Ease of Use, and User Acceptance of Information Technology. MIS Quarterly, 13, 319.

18. Demir, A., et al. (2022). Fintech, Financial Inclusion and Income Inequality: A Quantile Regression Approach. The European Journal of Finance, 28, 86–107.

19. Duncombe, R., & Boateng, R. (2009). Mobile Phones and Financial Services in Developing Countries: A Review of Concepts, Methods, Issues, Evidence and Future Research Directions. Third World Quarterly, 30, 1237–1258.

20. Frost, J., et al. (2019). BigTech and the Changing Structure of Financial Intermediation. Economic Policy, 34, 761–799.

21. Gautam, A., & Rawat, S. (2017). Cashless and Digital Economy and its Effect on Financial Inclusion in India. Financial Sector in India, 20, 77–85.

22. Ghosh, S. (2020). Financial Inclusion in India: Does Distance Matter? South Asia Economic Journal, 21, 216–238.

23. Haque, S. S., et al. (2020). Water and Sanitation in Dhaka Slums: Access, Quality, and Informality in Service Provision. Water International, 45, 791–811.

24. Iqbal, S., et al. (2019). Financial Performance and Corporate Governance in Microfinance: Evidence from Asia. Journal of Asian Economics, 60, 1–13.

25. Jack, W., & Suri, T. (2014). Risk Sharing and Transactions Costs: Evidence from Kenya's Mobile Money Revolution. American Economic Review, 104, 183–223.

26. Khan, H. R. (2012). Issues and Challenges in Financial Inclusion: Policies, Partnerships, Processes and Products. Korea, 18, 84–117.

27. Khan, S., et al. (2014). Sustainable Accounting Reporting Practices of Indian Cement Industry: An Exploratory Study. Uncertain Supply Chain Management, 2, 61–72.

28. Kim, M., et al. (2018). Mobile Financial Services, Financial Inclusion, and Development: A Systematic Review of Academic Literature. The Electronic Journal of Information Systems in Developing Countries, 84, e12044.

29. Li, F., et al. (2021). Customer Satisfaction with Bank Services: The Role of Cloud Services, Security, E-Learning and Service Quality. Technology in Society, 64, 101487.

30. Mader, P. (2018). Contesting Financial Inclusion. Development and Change, 49, 461–483.

31. Maina, E. M., Chouhan, V., & Goswami, S. (2020). Measuring Behavioral Aspect of IFRS Implementation in India and Kenya. International Journal of Scientific and Technology Research, 9, 2045–2048.

32. Mannan, M., &Pek, S. (2021). Solidarity in the Sharing Economy: The Role of Platform Cooperatives at the Base of the Pyramid. In Sharing Economy at the Base of the Pyramid (pp. 249–279). Singapore: Springer.

33. Masino, S., & Niño-Zarazúa, M. (2018). Improving Financial Inclusion through the Delivery of Cash Transfer Programmes: The Case of Mexico's Progresa-Oportunidades-ProsperaProgramme. The Journal of Development Studies, 56, 151–168.

34. Mbiti, I., & Weil, D. N. (2013). The Home Economics of E-Money: Velocity, Cash Management, and Discount Rates of M-Pesa Users. American Economic Review, 103, 369–374.

35. Menz, M., et al. (2021). Corporate Strategy and the Theory of the Firm in the Digital Age. Journal of Management Studies, 58, 1695–1720.

36. Metzger, M., Riedler, T., &Pédussel Wu, J. (2019). Migrant Remittances: Alternative Money Transfer Channels, Working Paper, No. 127/2019. Berlin: Hochschule fürWirtschaft und Recht Berlin, Institute for International Political Economy (IPE).

37. Mia, M. A., et al. (2018). Are Microfinance Institutions in South-East Asia Pursuing Objectives of Greening the Environment? Journal of the Asia Pacific Economy, 23, 229–245.

38. Nguyen, Q. K. (2022). The effect of FinTech development on financial stability in an emerging market: The role of market discipline. Research in Globalization, 5, 100105.

39. Okoye, L. U., et al. (2017). Financial Inclusion as a Strategy for Enhanced Economic Growth and Development. Journal of Internet Banking and Commerce, 22, 1–14.

40. Omojolaibi, J. A., Okudo, A. G., &Shojobi, D. A. (2019). Are Women Financially Excluded from Formal Financial Services? Analysis of Some Selected Local Government Areas in Lagos State, Nigeria. Journal of Economic and Social Thought, 6, 16–47.

41. Orlov, E. V., et al. (2021). Comparative Analysis of the Use of Kanban and Scrum Methodologies in IT Projects. Universal Journal of Accounting and Finance, 9, 693–700.

42. Oskarsson, P. (2018). Landlock: Paralyzing Dispute over Minerals on Adivasi Land in India. Canberra: Austrialian National University Press.

43. Rathod, S., &Arelli, S. K. P. (2013). Aadhaar and Financial Inclusion: A Proposed Framework to Provide Basic Financial Services in Unbanked Rural India. In Driving the Economy through Innovation and Entrepreneurship (pp. 731–744). New Delhi: Springer.

44. Reddy, A. K. (2021). Impact of E-Banking on Customer Satisfaction. PalArch's Journal of Archaeology of Egypt/Egyptology, 18, 4220–4231.

45. Russell, J. A. (1980). A circumplex model of affect. Journal of Personality and Social Psychology, 39, 1161–1178.

46. Schuetz, S., & Venkatesh, V. (2020). Blockchain, Adoption, and Financial Inclusion in India: Research Opportunities. International Journal of Information Management, 52, 101936.

47. Singh, N. D., & Singh, H. R. (2012). Social Impact of Microfinance on SHG Members: A Case Study of Manipur. Prabandhan: Indian Journal of Management, 5, 43–50.

48. Singh, S., Goyal, S. K., & Sharma, S. K. (2013). Technical Efficiency and its Determinants in Microfinance Institutions in India: A Firm Level Analysis. Journal of Innovation Economics Management, 1, 15–31.

49. Thomas, H., & Hedrick-Wong, Y. (2019). How Digital Finance and Fintech Can Improve Financial Inclusion 1. In Inclusive Growth (pp. 27–41). Bingley: Emerald Publishing Limited.

50. Wieser, C., et al. (2019). The Impact of Mobile Money on Poor Rural Households: Experimental Evidence from Uganda. World Bank Policy Research Working Paper No. 8913.