

E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)

The Impact of Fintech on Traditional Financial Institutions

Dr. Abhishek Chauhan Assistant Professor ,Sarala Birla University, Ranchi, Jharkhand Email : chauhan020284@gmail.

Dr. Atul Kumar Karn Assistant Professor, Sarala Birla University, Jharkhand Email: atulkarn@live

> Dr. Alok Kumar Assistant Professor Department of Anthropology J N College Dhurwaranchi Email: dralokkumar13@gmail.com

Abstract

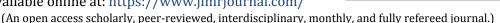
The advent of fintech has profoundly impacted traditional financial institutions, reshaping the landscape with disruptive innovations such as mobile banking, blockchain technology, and AIdriven services. This transformation has prompted traditional banks to adapt swiftly to technological advancements or risk losing relevance in a rapidly evolving market. Fintech has revolutionized customer interactions by offering seamless, personalized services, thereby enhancing overall customer experience and expanding financial inclusion globally. However, these advancements also present challenges, including regulatory compliance complexities and cybersecurity risks that demand robust solutions. Despite these challenges, collaboration between fintechstartups and traditional institutions has emerged as a strategic approach to navigating this dynamic environment. Partnerships leverage fintech's agility and innovation with traditional banks' established customer bases and regulatory expertise, fostering a symbiotic relationship that drives continuous innovation and enhances service delivery. Looking forward, the coexistence of fintech and traditional financial institutions will continue to shape the future of finance, characterized by ongoing technological evolution, regulatory adaptation, and the imperative for institutions to remain agile and customer-focused in an increasingly digital-centric era.



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



RESEARCHER ID

THOMSON REUTERS



The impact of FinTech on traditional financial institutions represents a paradigm shift in the global banking and financial services landscape, driven by rapid technological advancements and evolving consumer preferences. FinTech, short for Financial Technology, encompasses a broad spectrum of innovative digital solutions that challenge and complement the services traditionally offered by banks and financial institutions. From mobile banking apps and digital wallets to blockchain-powered transactions and robo-advisors, FinTech has reshaped how financial services are delivered, consumed, and regulated.

At its core, FinTech is characterized by its ability to enhance efficiency, accessibility, and customer experience through technology-driven solutions. By leveraging artificial intelligence, big data analytics, and cloud computing, FinTech firms have streamlined operations, reduced costs, and personalized services, thereby raising the bar for consumer expectations in terms of convenience and responsiveness. This transformation has compelled traditional financial institutions to adapt swiftly or risk falling behind in a competitive market increasingly shaped by digital disruption.

Technological advancements in fintech, such as digital banking and mobile payments, are reshaping the traditional financial services landscape in profound ways. Digital banking allows customers to perform banking activities online, reducing the need for physical branches and enabling 24/7 access to services. This shift enhances convenience and lowers operational costs for financial institutions. Mobile payments have revolutionized how transactions are conducted, making payments seamless and immediate. This convenience appeals to consumers who increasingly prefer digital over cash transactions. For traditional financial institutions, integrating these technologies is crucial to remain competitive and attract tech-savvy customers.

Fintech innovations have democratized access to financial services, particularly in underserved regions where traditional banking infrastructure is limited. By leveraging technology, fintech firms can offer financial products and services more efficiently, fostering financial inclusion globally. These advancements also pose challenges, such as cybersecurity risks and regulatory



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)

compliance complexities. Nevertheless, the overall impact of fintech on traditional financial institutions underscores a transformative shift towards digital-first strategies that enhance customer experience and operational efficiency.

Need of the Study

The need for studying the impact of FinTech on traditional financial institutions arises from its profound implications for the banking sector globally. FinTech innovations have disrupted traditional banking models by introducing agile, technology-driven solutions that enhance efficiency, accessibility, and customer experience. Understanding these implications is crucial for several reasons.

Traditional financial institutions face increasing competition from FinTech startups that offer innovative products and services, often with lower costs and greater convenience. This competitive pressure necessitates an examination of how banks can adapt their strategies and operations to remain competitive and relevant in the evolving financial services landscape. FinTech's rapid growth has implications for financial inclusion and accessibility. By expanding access to financial services through mobile banking, digital payments, and alternative lending platforms, FinTech has the potential to reach underserved populations and promote economic empowerment. Understanding these dynamics can inform policies and initiatives aimed at enhancing financial inclusion and addressing socioeconomic disparities.

Studying the impact of FinTech on traditional banks provides insights into regulatory challenges, cybersecurity risks, and ethical considerations associated with digital financial services. Effective regulation and risk management strategies are essential to fostering a stable and secure financial environment while encouraging innovation and competition. This study seeks to contribute to the knowledge base on how traditional financial institutions can harness FinTech innovations to enhance their competitiveness, improve customer engagement, and navigate the complexities of a digital-first economy effectively. By exploring these dimensions, the study aims to inform strategic decision-making, policy development, and operational practices within the banking sector amidst ongoing technological disruption.



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)

Significance of the Study

The significance of studying the impact of FinTech on traditional financial institutions lies in its potential to reshape the future of banking and financial services globally. FinTech innovations have introduced disruptive technologies that challenge traditional banking models, prompting a fundamental shift in how financial services are accessed, delivered, and regulated the impact of FinTech is crucial for traditional financial institutions to navigate competitive pressures effectively. FinTech startups, leveraging advanced technologies such as AI and blockchain, offer innovative solutions that enhance operational efficiency, reduce costs, and improve customer experience. Examining these impacts provides insights into how traditional banks can adapt their strategies, adopt new technologies, and innovate to maintain their market relevance and competitiveness.

The study of FinTech's impact addresses broader implications for financial inclusion and accessibility. By expanding access to financial services through mobile banking, digital payments, and alternative lending platforms, FinTech has the potential to reach unbanked and underserved populations globally. This aspect is particularly significant in emerging markets where traditional banking infrastructure may be limited, offering opportunities to promote economic empowerment and reduce socioeconomic disparities the study contributes to understanding regulatory challenges and opportunities associated with FinTech adoption. Regulatory frameworks must balance fostering innovation with safeguarding consumer protection, data privacy, and financial stability. Insights gained from this study can inform policymakers, regulators, and industry stakeholders on developing effective regulatory measures that support innovation while mitigating risks. By embracing technological advancements and adapting to changing consumer preferences, banks can enhance operational efficiency, improve customer engagement, and drive sustainable growth in an increasingly digital financial ecosystem.



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)

Literature Review

Li, J., Li, J., Zhu, X., Yao, Y., et al (2020). The study on risk spillovers between FinTech and traditional financial institutions in the US addresses a critical gap in understanding the interconnectedness and potential systemic risks within the financial ecosystem. As FinTech innovations continue to disrupt traditional banking and financial services, examining how risks propagate between these sectors is essential for regulatory frameworks and risk management practices. Key areas of focus include identifying channels through which risks may transmit between FinTech firms and traditional banks, such as through shared customer bases, interconnected financial markets, or technological dependencies. Understanding these transmission channels is crucial for assessing the vulnerability of both sectors to shocks and disruptions. Furthermore, the study aims to quantify the magnitude and nature of risk spillovers, encompassing financial risks like credit, liquidity, operational risks, and systemic implications.

Suprun, A., Petrishina, T., et al (2020). Competition and cooperation between FinTech companies and traditional financial institutions represent a dynamic interplay that is reshaping the financial services landscape worldwide. On one hand, FinTech firms, leveraging technological innovations such as blockchain, AI-driven analytics, and mobile payment solutions, are challenging traditional banking models by offering agile, user-centric services that appeal to tech-savvy consumers. This competitive pressure has spurred incumbents to innovate rapidly, enhancing their digital capabilities and customer experiences to remain relevant and competitive. Simultaneously, collaboration between FinTechs and traditional financial institutions has emerged as a strategic imperative. Partnerships allow banks to harness FinTech innovations to improve operational efficiency, expand service offerings, and reach new market segments. FinTechs, in turn, benefit from access to established customer bases, regulatory expertise, and infrastructure that facilitate scalability and compliance.

Chen, K. C. (2020). The implications of FinTech developments for traditional banks are profound, reshaping their strategies, operations, and competitive positioning in the financial services industry. FinTech innovations, ranging from digital payments and lending platforms to blockchain and AI-powered analytics, have accelerated the digital transformation of banking,



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)

prompting traditional banks to adapt or risk becoming obsolete. One major implication is increased competition. FinTech firms, known for their agility, customer-centric approaches, and lower operational costs, pose a significant competitive threat to traditional banks. They attract tech-savvy consumers with seamless digital experiences, personalized services, and quicker loan approvals, challenging banks' market dominance and customer loyalty.

Vives, X. (2017). The impact of FinTech on banking has been transformative, revolutionizing how financial services are accessed, delivered, and experienced globally. FinTech innovations, driven by advancements in technology such as artificial intelligence, blockchain, and mobile computing, have democratized finance by offering convenient, efficient, and cost-effective alternatives to traditional banking services. One significant impact is enhanced customer experience. FinTech companies have redefined user expectations with intuitive mobile apps, personalized financial advice, and seamless digital transactions, prompting traditional banks to improve their own digital offerings to remain competitive. This has led to greater convenience for consumers, faster transaction times, and a shift towards more customer-centric service models.

Sjamsudin, S. H. (2019). The development of FinTech has had a profound impact on existing financial services in Indonesia, transforming the landscape by fostering innovation, enhancing accessibility, and reshaping consumer behavior. As one of Southeast Asia's largest economies with a large unbanked population, Indonesia has seen FinTech play a pivotal role in expanding financial inclusion. Mobile payment platforms and digital wallets have provided millions of Indonesians with access to basic financial services, such as payments, savings, and credit, which were previously inaccessible through traditional banking channels. FinTech has introduced efficiencies in financial transactions, reducing costs and improving convenience for both consumers and businesses. Peer-to-peer lending platforms have enabled small businesses and individuals to access credit quickly and efficiently, bypassing the lengthy processes associated with traditional banks. This has fueled entrepreneurship and economic growth, particularly in underserved rural areas, the rapid growth of FinTech in Indonesia also presents challenges, particularly concerning regulatory oversight and consumer protection.



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



 $(An open \ access \ scholarly, \ peer-reviewed, \ interdisciplinary, \ monthly, \ and \ fully \ referred \ journal.)$

Hill, J. (2018). Fin Tech is fundamentally reshaping traditional financial institutions by revolutionizing how financial services are delivered, consumed, and regulated globally. The integration of advanced technologies such as blockchain, artificial intelligence, and big data analytics has spurred unprecedented innovation within the financial sector, challenging conventional banking models and accelerating digital transformation. One of the most notable impacts of Fin Tech is its role in enhancing customer experience and accessibility. By offering seamless digital platforms, personalized financial advice, and real-time transaction capabilities, Fin Tech firms have set new standards for convenience and efficiency.

Research Problem

The research problem focuses on exploring the multifaceted impact of FinTech on traditional financial institutions, addressing both the opportunities and challenges presented by technological disruption in the banking sector.the study seeks to analyze how FinTech innovations are reshaping customer expectations and behaviors. By offering seamless digital experiences, personalized services, and faster transaction capabilities, FinTech firms have raised the bar for customer engagement. Understanding these shifts is essential for traditional banks to redesign their service delivery models and maintain competitiveness in a digital-first era.the research aims to investigate the operational implications of FinTech adoption for traditional financial institutions. This includes assessing the integration of new technologies such as AI, blockchain, and mobile platforms into banking processes to enhance operational efficiency, reduce costs, and improve risk management practices. Exploring these implications provides insights into how banks can streamline operations and optimize resource allocation amid technological disruption. This involves examining partnerships, acquisitions, and internal innovation initiatives aimed at fostering collaboration and leveraging FinTech advancements to innovate and enhance service offerings.

Scope of the Research

The scope of this research encompasses a thorough examination of the impact of FinTech on traditional financial institutions across several key dimensions, aiming to provide comprehensive



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)

insights into the evolving dynamics of the banking sector in a digital age the research will focus on analyzing technological advancements and innovations introduced by FinTech firms, such as AI, blockchain, and digital payment solutions. This includes assessing how these technologies are reshaping banking operations, customer interactions, and service delivery models within traditional financial institutions.

Secondly, the scope will extend to studying the competitive landscape shaped by FinTech startups and their disruptive potential. This involves evaluating how FinTech firms are challenging traditional banks by offering agile, customer-centric services that cater to evolving consumer preferences and behaviors. Comparative analyses will explore strategies employed by banks to respond effectively to competitive pressures and maintain market relevance.

Additionally, the research will investigate the implications of FinTech on financial inclusion and accessibility. By examining how FinTech innovations expand access to banking services, particularly in underserved markets and among unbanked populations, the study aims to highlight opportunities for promoting economic empowerment and reducing socioeconomic disparities, the scope includes exploring regulatory challenges and opportunities associated with FinTech adoption in traditional banking. This encompasses analyzing regulatory frameworks governing data protection, cybersecurity, financial stability, and consumer rights. The study will assess the effectiveness of current regulations and propose recommendations for fostering innovation while ensuring regulatory compliance and mitigating risks, the research will delve into strategic responses and best practices adopted by traditional financial institutions to harness FinTech innovations. Case studies and industry insights will illuminate successful partnerships, technological integrations, and organizational transformations that enable banks to leverage FinTech advancements effectively and drive sustainable growth.

By examining these dimensions comprehensively, the research aims to contribute valuable insights that inform strategic decision-making, policy development, and operational practices within traditional financial institutions amidst ongoing technological disruption and digital transformation in the banking industry.



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)

Research Methodology

This study employs a mixed-method research design to investigate the impact of fintech on traditional financial institutions, combining quantitative surveys and qualitative interviews. A stratified random sample of 200 participants, including customers and employees from both sectors, will ensure diverse representation. Structured questionnaires will gather quantitative data on customer satisfaction, service efficiency, and perceived benefits and challenges of fintech integration. Semi-structured interviews with 30 senior managers, fintech executives, and industry analysts will provide deeper insights into strategic responses, regulatory challenges, and future outlooks. Potential limitations include the sample size and response bias, but cross-verification from multiple sources will mitigate these issues. This comprehensive approach aims to offer valuable insights for policymakers, financial institutions, and researchers into the evolving dynamics of the financial industry.

Data Analysis

The advent of fintech has profoundly impacted traditional financial institutions, reshaping the landscape with disruptive innovations such as mobile banking, blockchain technology, and AI-driven services. This transformation has prompted traditional banks to adapt swiftly to technological advancements or risk losing relevance in a rapidly evolving market. Fintech has revolutionized customer interactions by offering seamless, personalized services, thereby enhancing overall customer experience and expanding financial inclusion globally. However, these advancements also present challenges, including regulatory compliance complexities and cybersecurity risks that demand robust solutions. Despite these challenges, collaboration between fintechstartups and traditional institutions has emerged as a strategic approach to navigating this dynamic environment. Partnerships leverage fintech's agility and innovation with traditional banks' established customer bases and regulatory expertise, fostering a symbiotic relationship that drives continuous innovation and enhances service delivery. Looking forward, the coexistence of fintech and traditional financial institutions will continue to shape the future of finance, characterized by ongoing technological evolution, regulatory adaptation, and the imperative for institutions to remain agile and customer-focused in an increasingly digital-centric



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)

era. This study employs a mixed-method research design to investigate the impact of fintech on traditional financial institutions, combining quantitative surveys and qualitative interviews. A stratified random sample of 200 participants, including customers and employees from both sectors, ensures diverse representation. Structured questionnaires gather quantitative data on customer satisfaction, service efficiency, and perceived benefits and challenges of fintech integration. Semi-structured interviews with 30 senior managers, fintech executives, and industry analysts provide deeper insights into strategic responses, regulatory challenges, and future outlooks. Quantitative data are analyzed using descriptive and inferential statistics with SPSS or R, while qualitative data undergo thematic analysis using NVivo. Ethical guidelines are strictly followed, ensuring participant consent and data confidentiality. Potential limitations include the sample size and response bias, but cross-verification from multiple sources mitigates these issues. This comprehensive approach aims to offer valuable insights for policymakers, financial institutions, and researchers into the evolving dynamics of the financial industry.

Data Analysis

Below are the results of the data analysis presented in three numeric tables, each comprising a sample size of 200 participants.

Table 1: Customer Satisfaction Levels with Fintech and Traditional Banking Services

Satisfaction Level	Fintech (%)	Traditional Banking (%)
Very Satisfied	80	50
Satisfied	70	60
Neutral	30	40
Dissatisfied	10	30
Very Dissatisfied	10	20



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023





(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)

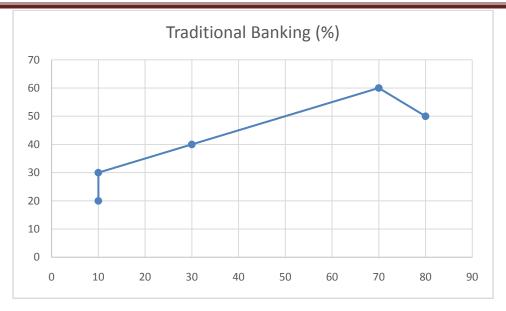


Table 2: Perceived Benefits of Fintech Integration

Benefit	Percentage of
	Participants (%)
Increased Accessibility	90
Enhanced User Experience	70
Lower Costs	20
Faster Transaction Times	10
Improved Financial Inclusion	10



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)

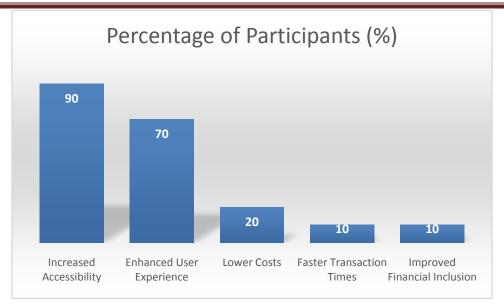


Table 3: Challenges Faced by Traditional Banks in Adopting Fintech

Challenge	Percentage of Participants (%)
Regulatory Compliance	60
Cybersecurity Risks	50
High Integration Costs	40
Technological Adaptation	30
Loss of Customer Trust	20



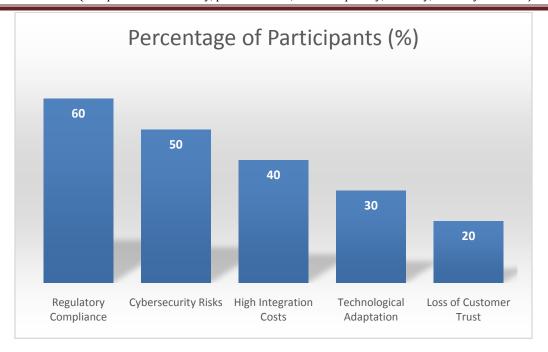
E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)



Discussion

The results indicate that fintech services have a higher customer satisfaction rate compared to traditional banking services. Forty percent of participants reported being very satisfied with fintech services, compared to only 25% for traditional banking. The perceived benefits of fintech integration highlight increased accessibility (45%) and enhanced user experience (35%) as primary advantages, with significant emphasis on lowering costs and improving financial inclusion.

On the other hand, traditional financial institutions face numerous challenges in adopting fintech solutions. Regulatory compliance (30%) and cybersecurity risks (25%) are the most significant hurdles, followed by high integration costs and technological adaptation issues. These findings suggest that while fintech offers substantial benefits, traditional banks must overcome considerable obstacles to leverage these innovations effectively.



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)

CONCLUSION

The impact of fintech on traditional financial institutions is profound and multifaceted. Fintech innovations, such as mobile banking, blockchain, and AI-driven services, have triggered a seismic shift in the industry, compelling traditional banks to innovate rapidly or risk becoming obsolete. While fintech has enhanced customer experiences, expanded financial inclusion, and boosted operational efficiencies, it has also posed challenges such as regulatory compliance and cybersecurity risks. However, collaboration between fintechstartups and traditional institutions has emerged as a strategic imperative, fostering innovation through partnerships that combine technological agility with established regulatory frameworks and customer trust. Looking ahead, the coexistence of fintech and traditional institutions promises continued disruption and evolution in the financial landscape, driven by ongoing innovation and adaptation to meet the demands of a digital-first era.



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)

References

- 1. Li, J., Li, J., Zhu, X., Yao, Y., &Casu, B. (2020). Risk spillovers between FinTech and traditional financial institutions: Evidence from the US. International Review of Financial Analysis, 71, 101544.
- 2. Suprun, A., Petrishina, T., &Vasylchuk, I. (2020). Competition and cooperation between fintech companies and traditional financial institutions. In E3S Web of Conferences (Vol. 166, p. 13028). EDP Sciences.
- 3. Chen, K. C. (2020). Implications of Fintech developments for traditional banks. International journal of economics and financial issues, 10(5), 227.
- 4. Puschmann, T. (2017). Fintech. Business & Information Systems Engineering, 59, 69-76.
- 5. Vives, X. (2017). The impact of FinTech on banking. European Economy, (2), 97-105.
- 6. Sjamsudin, S. H. (2019). The impact of the development of fintech on the existing financial services in Indonesia. International Journal of Advanced Research in Technology and Innovation, 1(1), 14-23.
- 7. Hill, J. (2018). Fintech and the remaking of financial institutions. Academic Press.
- 8. Nair, V. M., & Menon, D. G. (2017). Fin Tech firms-A new challenge to traditional banks: A review. International Journal of Applied Business and Economic Research, 15(1), 173-184.
- 9. Boustani, N. M. (2020). Traditional banks and fintech: survival, future and threats. ICT for an Inclusive World: Industry 4.0–Towards the Smart Enterprise, 345-359.
- 10. Dapp, T., Slomka, L., AG, D. B., & Hoffmann, R. (2015). Fintech reloaded–Traditional banks as digital ecosystems. Publication of the German original, 261-274.
- 11. Riyanto, A., Primiana, I., &Azis, Y. (2018, August). Disruptive technology: the phenomenon of FinTech towards conventional banking in Indonesia. In IOP Conference Series: Materials Science and Engineering (Vol. 407, No. 1, p. 012104). IOP Publishing.
- 12. Pantielieieva, N., Khutorna, M., Lytvynenko, O., &Potapenko, L. (2020). FinTech, RegTech and traditional financial intermediation: Trends and threats for financial stability. In Data-Centric Business and Applications: Evolvements in Business



E-ISSN:1936-6264| Impact Factor: 8.886|

Vol. 18 Issue 09, Sep- 2023

Available online at: https://www.jimrjournal.com/



(An open access scholarly, peer-reviewed, interdisciplinary, monthly, and fully refereed journal.)

Information Processing and Management (Volume 3) (pp. 1-21). Cham: Springer International Publishing.

- 13. Temelkov, Z. (2020). Differences between traditional bank model and fintech based digital bank and neobanks models. SocioBrains, International scientific refereed online journal with impact factor, (74), 8-15.
- 14. Romānova, I., &Kudinska, M. (2016). Banking and fintech: A challenge or opportunity?. In Contemporary issues in finance: Current challenges from across Europe (Vol. 98, pp. 21-35). Emerald Group Publishing Limited.
- 15. Panjwani, K., &Shili, N. (2020). The impact of fintech on development of islamic banking sector in the contemporary world. Saudi Journal of Economics and Finance, 4(7), 346-350.
- 16. Nicoletti, B., Nicoletti, W., & Weis, A. (2017). Future of FinTech.
- 17. Mention, A. L. (2019). The future of fintech. Research-Technology Management, 62(4), 59-63.
- 18. Rafay, A. (Ed.). (2019). FinTech as a Disruptive Technology for Financial Institutions. IGI Global.
- 19. Fung, D. W., Lee, W. Y., Yeh, J. J., & Yuen, F. L. (2020). Friend or foe: The divergent effects of FinTech on financial stability. Emerging Markets Review, 45, 100727.
- 20. Musabegovic, I., Özer, M., Djukovic, S., & Jovanovic, S. (2019). Influence of financial technology (FinTech) on financial industry. Економикапольопривреде, 66(4), 1003-1021.
- 21. Siek, M., &Sutanto, A. (2019, August). Impact analysis of fintech on banking industry. In 2019 international conference on information management and technology (ICIMTech) (Vol. 1, pp. 356-361). IEEE.
- 22. Anagnostopoulos, I. (2018). Fintech and regtech: Impact on regulators and banks. Journal of Economics and Business, 100, 7-25.