



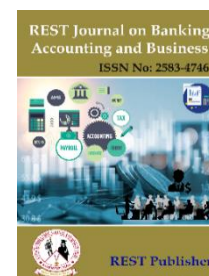
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A Study on the Role of Technology in Creation of Banking Assets

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Abstract: *The banking sector has undergone significant transformation with the advent of technology, changing how assets are created, managed, and utilized. This research paper explores the evolving role of technology in creating banking assets. It examines the impact of various technological innovations, such as digital banking, fintech solutions, artificial intelligence, blockchain, and big data analytics, on asset creation within the banking industry. The paper also discussed the challenges and opportunities these technologies present and provides insights into how banks can leverage them to enhance asset creation efficiency and profitability.*

Keywords: *Role of Technology, Creation of Banking Assets, Fintech solution, Artificial Intelligence, Blockchain, Big data analytics.*

1. INTRODUCTION

The banking sector plays a crucial role in the economy by facilitating financial transactions, providing credit, and creating assets. Traditionally, asset creation in banking involved conventional methods such as loans, investments, and other financial instruments. However, with the rapid advancement of technology banks have embraced digital solutions to streamline processes, improve customer experience, and enhance asset creation capabilities.

2. METHODOLOGY

The paper involved with secondary information with proper delving the information to analysis the existing literature. The paper had the objective of the evolving role of technology in creating banking assets, the impact of various technological innovations, such as digital banking, fintech solutions, artificial intelligence, blockchain, and big data analytics, on asset creation within the banking industry and the challenges and opportunities these technologies present and provides insights. The paper is limited to the time period of December 2023 to August 2024.

3. EVOLUTION OF TECHNOLOGY IN BANKING

This section delves into the historical progression of technology adoption within the banking sector. It traces the development from early computerized systems to the current era of digital banking, highlighting key milestone and innovations along the way. The emergence of online banking, mobile banking apps, and the integration of artificial intelligence and machine learning are discussed in detail.

4. DIGITAL BANKING AND ASSET CREATION

Digital banking has revolutionized how banks create and manage assets. This section examines the impact of digitalisation on asset creation processes, such as loan origination, credit scoring, and risk management. Case

studies and examples are provided to illustrate the efficiency gains and improved customer outcomes resulting from digital asset creation methods.

5. FINTECH DISRUPTION AND ASSET MANAGEMENT

The rise of fintech companies has disrupted traditional banking models and introduced new avenues for asset creation. This section explores how fintech solutions, including peer-to-peer lending platforms, robo-advisors, and payment innovations, are reshaping the banking landscape. The paper discusses collaborative opportunities between banks and fintech firms to enhance asset creation and customer reach.

6. BLOCKCHAIN TECHNOLOGY AND BANKING ASSETS

Blockchain technology offers secure, transparent, and efficient solutions for asset creation and management. This section investigates the role of blockchain in banking, particularly in areas such as trade finance, cross-border transactions, and digital asset issuance. Real-world use cases and the potential for blockchain to reduce costs and enhance asset liquidity are analysed.

7. BIG DATA ANALYTICS AND ASSET OPTIMIZATION

The abundance of data available to banks presents opportunities for optimizing asset creation and risk management. This section explores how banks utilise big data analytics to assess creditworthiness, detect fraud, and personalise financial products. The paper discusses the challenges of data privacy and regulatory compliance in leveraging big data for asset creation.

8. CHALLENGES AND OPPORTUNITIES

While technology offers immense potential for enhancing asset creation in banking, it also presents challenges. This section discusses the cyber security risks, regulatory complexities, and skills gap that banks face in adopting new technologies. Strategies for mitigating risks and capitalizing on the opportunities presented by technology are explored.

9. FUTURE OUTLOOK

The research paper concludes with a look into the future of technology-driven asset creation in banking. It discusses emerging trends such as decentralised finance (DeFi), central digital currencies (CBDCs) and the continued integration of artificial intelligence and machine learning. The paper emphasizes the need for banks to remain agile, innovative, and customer-centric in the evolving digital landscape.

10. CONCLUSION

In conclusion, the study highlights the transformative impact of technology on the creation of banking assets. From digital banking to blockchain and big data analytics, technology has revolutionised how banks operate, create assets, and serve customers. By embracing these innovations, banks can unlock new opportunities for growth, efficiency, and competitiveness in the dynamic banking industry.

This research paper aims to provide a comprehensive overview of the role of technology in the creation of banking assets. It explores the evolution of technology in banking, the impact of digitalization on asset creation processes, the disruptive influence of fintech, the potential of blockchain technology, the power of big data analytics, and the challenges and opportunities faced by banks in this digital era.

Suggestions:

- Can analyse the information in the statistical approach.
- Can look into the concept of technological investment, ROI and depreciation and required tools.
- Can frame the model of technological absolute.

REFERENCES

- [1]. <https://www.idrbt.ac.in/> (Retrieved on August 2024)
- [2]. <https://www.getpodcast.com/> (Retrieved on July 2024)
- [3]. <https://washingtonindependent.com/> (Retrieved on August 2024)
- [4]. Journal of Asia Pacific University College of Technology and Innovation (UCTI) (Retrieved on January 2024)
- [5]. Munnu Prasad V (Jan-June 2024), 'INDIAN ECONOMY - DIGITAL TRANSFORMATION TO DIGITAL BANKING: A REVIEW STUDY' GBS Impact, Volume 10, Issue - 01, ISSN: 2454- 8545, page 75-79, <https://doi.org/10.58419/gbs.v10i1.1012405>
- [7]. Munnu Prasad V and Dr. Nethravathi K (April 2024), 'Exploring Mythological Themes In The Concept Of "Green Banking"', IOSR Journal of Business and Management
- [8]. (IOSR-JBM) e-ISSN: 2278-487X, p-ISSN: 2319-7668. Volume 26, Issue 4. Ser. 5
- [9]. (April. 2024), PP 26-27, DOI: 10.9790/487X-2604052627