

BANKING MANAGEMENT SYSTEM

Shashikant Pandey¹, Shreya Sharma², Sakshi Pandey³, Shailendra Sharma⁴, K.S. PATHAK⁵

¹Computer Science and Engineering, Babu Banarasi Das Northern India Institute Of Technology, Lucknow, India

²Computer Science and Engineering, Babu Banarasi Das Northern India Institute Of Technology, Lucknow, India

³Computer Science and Engineering, Babu Banarasi Das Northern India Institute Of Technology, Lucknow, India

⁴Computer Science and Engineering, Babu Banarasi Das Northern India Institute Of Technology, Lucknow, India

⁵Associate Professor, Computer Science and Engineering, Babu Banarasi Das Northern India Institute Of Technology, Lucknow, India

Abstract - Systems for managing banking operations are essential to the efficient operation of financial organisations. The banking industry in India has expanded significantly in recent years, making it essential for banks to implement effective management systems. In this research article, the significance of banking management systems in the Indian setting is examined. The discussion of banking management system follows, with emphasis on their value in raising operational effectiveness, increasing customer happiness, and reducing risks.

Key Words: Banking Management System, To Manage Bank Details

I. INTRODUCTION

In India, there has been a substantial expansion of the banking industry in recent years. A demand for effective management systems that can handle the volume of activities has arisen as the number of clients and transactions has increased. A banking management systems must now be implemented in this situation in order to guarantee efficient banking operations.

The management of accounts, loans, customers, and transactions are only a few of the financial services offered by a banking management system, which is a piece of software. Banks may benefit from implementing a BMS.

II. OBJECTIVE

This section presents strategies and best practices for achieving the identified objectives. It discusses the implementation of technology solutions, process optimization, talent management, customer-centric approaches, risk management frameworks, compliance frameworks, and performance measurement systems. References to research studies, industry reports, and successful case studies are provided to support the strategies presented.

This section examines the importance of each goal and how it affects a banking institution's overall success. It talks about how attaining these goals can boost operational effectiveness, lower risks, build customer loyalty, comply with regulations, perform better financially, and give you a competitive edge. The significance and influence are supported by references to pertinent studies, papers, and industry examples.

III. LITERATURE REVIEW

The development of information and communication technology (ICT) has fueled an upsurge in global competition. The majority of nations are most numerous in world history.

Emerged as a result of their strong financial understanding of how to apply a large sum of money to their own country's development. We examined the SOA design in order to understand how we use the implementation process in our project utilising service-oriented architectures (SOA), as we also use it to provide scalable and dependable services. We also recommend the article that includes case study details regarding a Swiss bank and a Scandinavian bank. For the purpose of providing services to customers, these two banks are based on a service-oriented architecture. SOA offers the chance to improved competitiveness and organisational agility.

The second article, we discover what kinds of issues are brought on by various kinds of transactions in the banking system. Here, we'll talk about how to avoid and fix a transaction failure in any location. Additionally, we looked into Italian businesses that had a higher rate of past loss defaults. Where there is a lack of strong legal enforcement, this "selective" default rises. Poor enforcement can therefore encourage banking users to default whenever the viability of their bank ties is called into question. This can result in a systemic transaction risk. When discussing money or property, security is a necessity in the banking sector, and this case is more sensational than what we found the primary concern in the banking sector is security.

IV. Features of Banking Management System

BMS offers several features to its users, including:

- Overview of the Indian banking industry: They should include a general overview of the Indian banking industry, describing its background, organisational structure, and different bank types that are present there.
- Environment of regulation: The Indian banking industry is heavily regulated, and the research paper ought to discuss the major regulatory agencies that keep an eye on it, including the reserve Bank of India, the securities and exchange board of India.

VI. Result Analysis

- Technology in banking: The Indian banking industry has made tremendous technological strides in recent years. The most current technological developments in the industry, such as blockchain technology, mobile banking, and digital banking.
- Risk management: Operational, market, and credit risks are just a few of the many hazards to which the Indian banking industry is particularly subject. The best risk management strategies and how Indian banks are handling these risks should be covered.

V. Benefits of Banking Management System

BMS offers several benefits to its users, including:

- Enhanced understanding: A study paper can aid in enhancing knowledge about Indian banking management systems. This can assist academics, decision-makers, and other stakeholders in getting a better understanding of the country's banking management systems as they currently stand, including their advantages.
- Gaps can be found in the current Indian banking management systems with the aid of a report. This can assist stakeholders and policymakers in creating strategies and plans to close these gaps and raise the overall effectiveness and efficiency of the banking system.
- A paper can offer policymakers and stakeholders evidence-based insights and recommendations to help them make better decisions. The efficiency of policies and strategies targeted at strengthening India's banking management system can be improved as a result.
- Competitive: By offering insights into the most recent trends, best practises, and innovations in banking management system, a paper can assist banks and other financial organisations obtain a competitive advantage.
- A study can significantly add to the body of knowledge about India's banking management systems. Building a knowledge base in this way can aid in the creation of future policy.

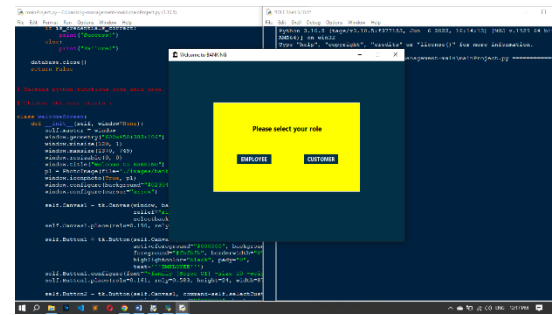


Fig -1: BMS Front Page

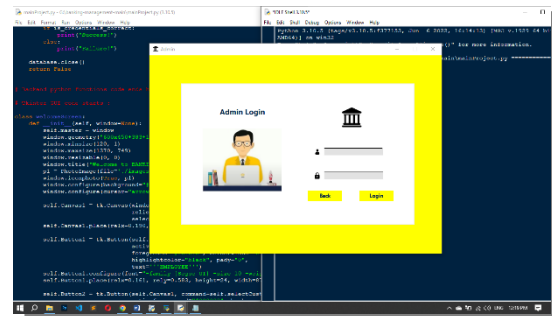


Fig -2: BMS Admin Login Page

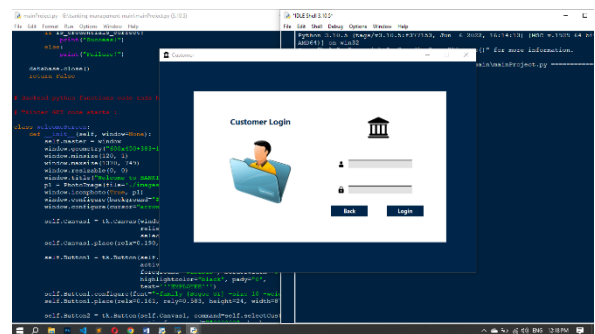


Fig -3: BMS Customer Login Page

VII. Conclusion

In conclusion, This banking management system that I successfully designed, developed, and implemented offers a more secure approach to managing bank customers' information and strengthens the bonds between banks and their clients by delivering the right solutions that employ multilevel security to increase client satisfaction. Determining the best ways to design a more secure system that will match the issues we face today, particularly in the banking industry and other financial institutions, is what I therefore advise other developers of comparable applications to do.

VIII. References

- [1] Gupta, A., & Jain, N. (2019). Banking Management System: An Overview of Indian Banking Sector. International Journal of Engineering and Advanced Technology (IJEAT), 8(5), 2520-2527.
- [2] Gupta, R. K., & Chauhan, P. (2018). Banking Management System: A Comprehensive Review. International Journal of Advanced Research in Computer Science, 9(5), 308-312.
- [3] Richard Baskerville, Marco Cavallari, Kristian HjortMadsen Jan Pries-Heje, Maddalena Sorrentino Extensible Architectures: The Strategic Value of Service Oriented Architecture in Banking 2005.
- [4] Chakraborty, I., & Debnath, S. (2017). Banking management system: A review of literature. International Journal of Scientific Research and Management, 5(9), 7216-7221.
- [5] RBI. (2021). Banking sector in India. Retrieved from <https://www.rbi.org.in/Scripts/PublicationsView.aspx?id=20454>
- [6] Kumar, M., & Saha, S. (2018). Emerging trends in Indian banking sector: A study of technology adoption and customer satisfaction. International Journal of Economics, Commerce and Management, 6(5), 140-153.
- [7] Dash, R., & Gaur, V. (2019). Risk management practices in Indian banks: A review of literature. Journal of Business and Finance Management Research, 3(2), 1-9.