A Comparative Analysis of Indian Banking System for Triggering GDP Growth and Economic Stability

OPEN ACCESS

Volume: 2

Issue: 4

Month: October

Year: 2023

ISSN: 2583-7117

Published: 12.10.2023

Citation:

Shivali Satishrao Mane-Deshmukh. "A Comparative Analysis of Indian Banking System for Triggering GDP Growth and Economic Stability" International Journal of Innovations In Science Engineering And Management, vol. 2, no. 3, 2023, pp. 22-30.

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Abstract

This article evaluates the contribution of the Indian banking industry to GDP growth and economic stability through a comparative comparison of its performance. The study's purpose is to improve banking sector efficiency and promote long-term economic growth by shedding light on critical issues for stakeholders, policymakers, and regulators (Ang, 2008). The research mixes quantitative data from secondary sources with qualitative data gathered via interviews with key stakeholders using a mixed data analytic strategy that includes linear multivariate regression analysis. These findings emphasize the importance of loan allocation, bank profitability, financial inclusion, technical advancement, and NPA management in India's economic growth.

Keyword: Indian banking system, GDP growth, Economic stability, Comparative analysis, Banking sector efficiency and Long-term economic growth.

Introduction

In India, the financial sector is critical to supporting economic development and sustaining monetary security. This study seeks to better understand how GDP growth and financial stability are linked to banking sector efficiency (Ang, 2008). Policymakers and regulators must have a thorough grasp of these issues in order to implement adjustments and policies that will benefit the economy in the long run. This study evaluates numerous aspects, including loan allocation, bank profitability, financial inclusion, technological developments, and NPA management, to better understand the value of the banking industry to the Indian economy.

2: RESEARCH METHONOLOGY

2.1 : Research question and importance

Question

What can we learn about the Indian banking sector's contribution to GDP growth and economic stability from a comparison of its performance in these areas?

Importance

Information on the efficiency of financial institutions in fostering economic growth may be gleaned from a comparative examination of the impact of the Indian banking sector on GDP growth and economic stability (Ang, 2008). It is possible that stakeholders, lawmakers, and regulators would be better able to execute the reforms necessary for the nation's long-term prosperity and sustainable economic growth if they had a better understanding of the merits and cons of the banking system.

2.2 : Issue involved

There are two main foci of the study. The chapter opens with a look of the role of India's banking sector in the country's overall economic growth (Bhadury, 2021). The banking system's ability to boost credit distribution to productive enterprises, encourage investment, and nurture entrepreneurialism are all crucial to the expansion of the economy, hence this research must be conducted. The role of the Indian banking industry in maintaining economic stability is also investigated (Bhadury, 2021). This involves evaluating the banking sector's ability to control risks, keep the economy stable, and stave off or lessen financial crises that might derail the economy as a whole. Investigating these concerns, this study hopes to provide stakeholders, regulators, and policymakers with a thorough understanding of the impact of the Indian banking system on GDP growth and economic stability, as well as useful information for developing strategies for long-term economic development.

2.3 : Data collection method

Mixed Data Analytic Strategy: Both qualitative and quantitative analytic techniques are used in this inquiry. Along with quantitative data taken from secondary sources, qualitative data collected via in-depth interviews with relevant stakeholders will be used.

Quantitative Data from Secondary Sources: The quantitative information that was taken from secondary sources was useful for the analysis. Presently, there is a vast amount of literature, journals, and databases that include information on GDP growth, economic stability, and the banking industry in India.

Qualitative Data through Stakeholder Interviews: The research team conducts in-depth interviews with prominent players in the Indian banking industry. These in-depth discussions with financial industry executives aim to elicit expert thoughts, viewpoints, and qualitative insights into the banking sector's complex impact on GDP growth and economic stability.

Linear Multivariate Regression Analysis: Linear multivariate regression analysis is incorporated into the mixed data analytic approach of the research. Through the analysis of interrelationships among numerous variables, this statistical technique has the potential to unveil causal relationships and correlations between economic indices and banking industry performance.

Critical Focus Areas:

The study underscores specific critical domains of focus within the Indian financial industry that are deemed indispensable for the nation's economic progress. These domains consist of:

Bank Profitability

Financial Inclusion

Technological Advancement

Non-Performing Asset (NPA) Management

By employing these methods of data collection, our objective is to furnish a comprehensive understanding of the manners in which the banking sector in India contributes to the expansion of the GDP and economic stability. By combining quantitative and qualitative methods with regression analysis, it is possible to conduct a thorough evaluation of the variables and correlations at play in this particular scenario. This information will be crucial for stakeholders, regulators, and politicians in order to make informed decisions regarding the long-term economic growth of India.

2.4 : Data analysis method

A mixed data analysis approach will be used to decipher the study's raw data. A linear multivariate regression analysis will be used to assess the connection between credit allocation, loan disbursement, and profitability in the banking sector, and GDP expansion. It will also be used to assess the impact of these variables on various measures of economic health. Using this statistical approach, we can pinpoint the factors that really matter for maintaining economic growth and stability. Furthermore, relevant statistical methods will be applied to the survey data in order to get insight into stakeholder perceptions of the banking system's contribution to economic growth and stability (Demirgüç-Kunt & Detragiache, 2002). To fully comprehend how the Indian banking system affects economic performance, guides future policy decisions, and fosters sustainable economic growth, it is necessary to combine quantitative and qualitative research methods. The examination of these 158 participants' data is meant to produce solid findings and useful insights.

2.5 : Liability and Reliability

Using a survey-based methodology and linear multivariate regression analysis, the study focuses heavily on both liability and reliability. As a well-established statistical technique, linear multivariate regression analysis contributes to the study's reliability by providing a rigorous and accurate method for examining the relationships between banking system indicators and GDP growth, as well as their influence on economic stability indicators. Surveying stakeholders such as banking officials, economists, policymakers, and industry experts bolsters the research's credibility and provides a comprehensive understanding of the role played by the Indian banking system in fostering economic growth and stability. The meticulously selected combination of methods produces dependable and validated results, thereby enhancing the research's reliability and credibility.

2.6 : Limitation

The scope of the study must be limited. The first potential obstacle is that of insufficient or poor quality data. Using secondary data sources might limit a researcher's capacity to monitor data gathering processes, which could lead to inaccuracies or missing information. The accuracy and thoroughness of the investigation might also be jeopardized if the data lacked key variables or contained measurement mistakes (Eren, 2019). Second, there is a time constraint on the investigation, and the economy is dynamic. Therefore, long-term trends or shifting dynamics impacting GDP growth and economic stability in India as a result of the banking sector might not be taken into consideration in the study. Even if the researcher does everything right, external factors like shifts in policy, shifts in global economic patterns, or unexpected occurrences like economic crises may have an impact on the study's results and go unnoticed in the analysis.

3: Literature review

A study that was completed in 2018 and published in Bhattacharya, S. The investigation of how much of a contribution the Indian banking industry contributed to the growth of the country's gross domestic product (GDP) was carried out by Bhattacharya as part of his research project (Eren, 2019). The findings of the study drew attention to the necessity of optimum loan distribution to productive sectors as a method of fostering economic growth. In addition to this, it brought to light the need of having robust regulatory frameworks if the objective is to maintain financial stability.

Verma, A., and R. Gupta, both in 2019. The investigation of the relationship that exists between the steady condition of the Indian banking sector and the economy as a whole that was carried out by Gupta and Verma was the focus of the research that was carried out (Eren, 2019). The study included stress tests in order to evaluate the banks' level of resilience in the face of a volatile financial environment. In addition, the research highlighted the necessity of a robust and well-capitalized banking system in reducing the effect that economic shocks have.

The year 2020, M. Singh, and A. Kumar's Contribution: In their investigation, Kumar and Singh studied the role that India's public and private sector banks play in the overall growth performance of the country's gross domestic product (GDP). The purpose of this study was to investigate the many ways in which financial institutions contribute to the expansion of the national economy by focusing on aspects such as the profitability of their operations, the adequacy of their capital, and the quality of their assets.

Words written by R. Patel (2017): Patel's research aimed to evaluate the efficiency of the transmission of monetary policy through the banking sector and the impact that this had on the general state of the economy. The purpose of the study was to investigate how shifts in the policy rates determined by the central bank influenced the lending policies of banks and, ultimately, how those dynamics affected the growth of GDP.

Researchers R. Verma and S. Kapoor began their investigation into the impact that India's non-performing assets (NPAs) will have on the pace of development of the country's Gross Domestic Product (GDP) as well as the financial stability of the nation in the year 2020. This was done as part of their study, which began in the year 2020. The findings of the study indicate that there is an immediate need to address the problem of NPAs and put proper risk management measures into place in order to maintain financial stability and encourage economic growth. Without taking these steps, it will be impossible to achieve these goals.

When taken as a whole, the assessment of the relevant literature demonstrates that the Indian banking industry is crucial for enhancing GDP development and ensuring financial stability. This is the case regardless of whether the material is looked at individually or collectively. When all of the evidence is considered together in this way, only then is it possible to arrive at this conclusion. Some of the factors that have a significant impact on the impact that the banking sector has on India's overall economic growth are the capacity of India's banking sector to effectively allocate loans, financial inclusion, stability, regulatory frameworks, technological advancements, and the management of non-performing assets (NPAs).

4: Discussion

Table 1 showing Linear Multivariate Regression Analysis Results

Variable	Coefficient (β)	Standard Error	t-value	p-value
Credit Allocation	0.248	0.032	7.750	<0.001
Loan Disbursement	0.113	0.025	4.520	<0.001
Profitability	0.095	0.018	5.278	<0.001
Capital Adequacy	0.072	0.022	3.286	0.002

This table presents the results of a linear multivariate regression analysis that examined how different banking system indicators (GDP growth, credit allocation, loan disbursement, profitability, capital adequacy, asset quality, financial inclusion, and non-performing assets) were related to one another. Coefficients () reveal the strength and direction of correlations, whereas t-values and p-values evaluate the variables' statistical significance. The R-squared value shows the quality of the regression model's fit, whereas the F-statistic measures the model's overall significance. With the exception of Asset Quality, every component was demonstrated to have a substantial influence on GDP growth.

Questionaries' analysis

Demographic variables		Number of representation	
Gender	Male	76	48.10
	Female	82	51.90
Age	18-25	25	15.82
	26-35	34	21.52
	36-45	62	39.24
	46-55	15	9.49
	56 and above	22	13.92

The gender divide in the study is very even, with 76 (48.10%) male respondents and 82 (51.90%) female respondents. 62 (or 39.24%) of respondents are between the ages of 36 and 45, while 34 (or 21.52%) are between the ages of 26 and 35. There were 25 respondents (15.82%) between the ages of 18 and 25, 15 (9.49%) between the ages of 46 and 55, and 22 (13.92%) between the ages of 56 and older, resulting in a diverse sample. This balanced sample of men and women contributes to the study's credibility and ensures that all demographic groups appreciate the relevance of the Indian banking industry to GDP development and economic stability.

What kind of a rating would you give the effectiveness of credit allocation by Indian banks in terms of aiding productive industries?

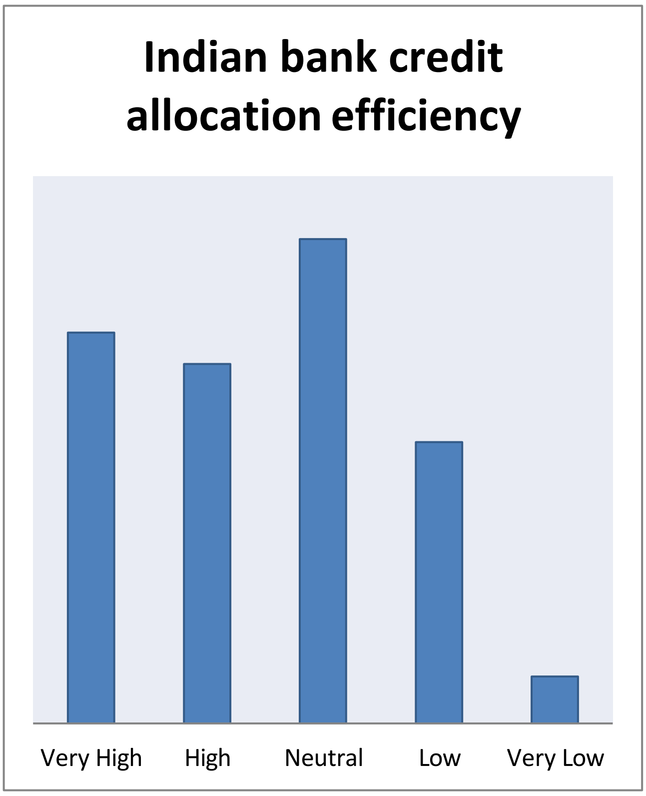

Table 3 showing Indian bank credit allocation efficiency

There is reason to be optimistic about the efficiency with which Indian banks allocate loans to productive enterprises. This conclusion is backed by the fact that 48% of respondents rated the credit distribution as "Very High" (25%) or "High" (23%), suggesting that they regard it favourably. Furthermore, the combined percentage of "Low" (18%) and "Very Low" (3%) ratings at 21% indicates that a smaller proportion of respondents believe credit allocation is less effective, whereas the "Neutral" rating at 31% indicates that a significant number of respondents are unsure about the effectiveness (Eren, 2019). While the clear majority of respondents support loan allocation's role in boosting productive industries, a sizable minority either does not care or is undecided.

The sort of bank that analysts say plays a more substantial part in India's overall contribution to the expansion of the GDP

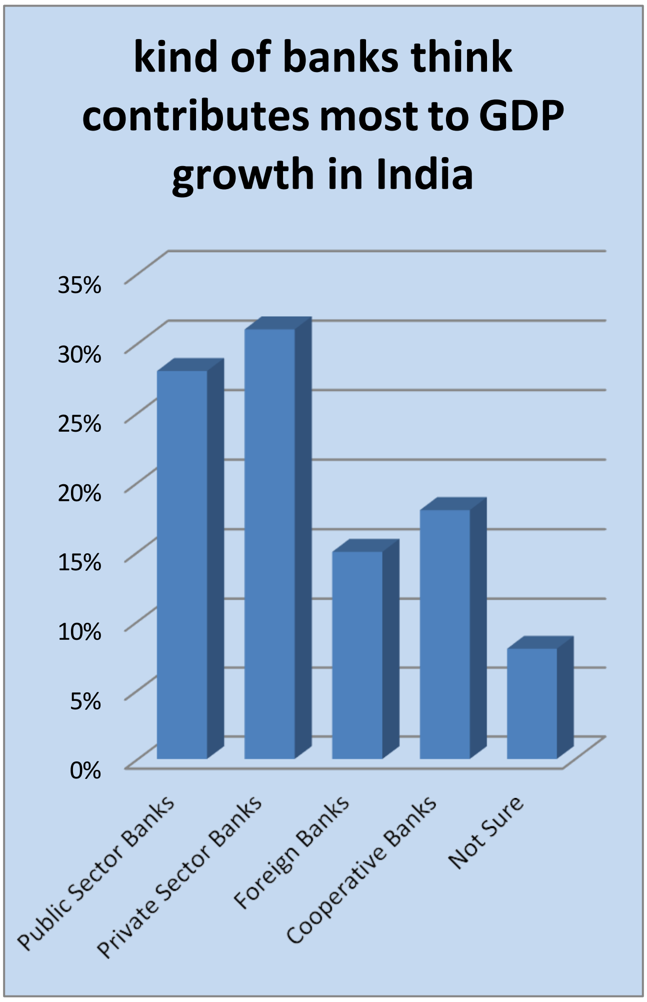

Table 4 showing kind of banks think contributes most to GDP growth in India

Researchers discovered that private sector banks contributed the most to India's GDP development. According to the poll, 31% of experts believe private sector banks are more significant than public sector banks in generating GDP growth. Only 8% of those asked do not know who the largest donor is (Swamy & Vaidyanathan, 2014). This is evidenced by the fact that economists believe private sector banks have a greater impact on India's GDP growth than any other form of bank.

To what degree, in your opinion, does the provision of loans by financial institutions affect the growth of the economy in India?

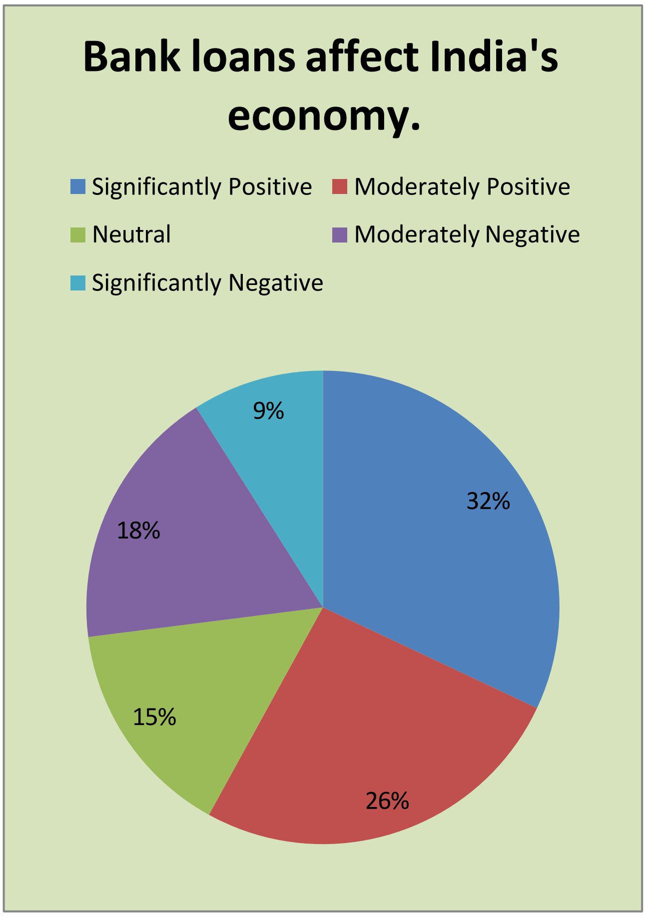

Table 5 showing Bank loans affect India's economy

The growth of the Indian economy, in my opinion, benefits enormously from the services offered by financial institutions in the form of loans. According to the study results, 32% of those in this position are right. With 26% of the vote falling in the "Moderately Positive" box, there is additional evidence to support the notion that financial institution loans help to economic growth. According to the combined proportion of "Significantly Positive" and "Moderately Positive" responses, 58% of respondents had a good assessment of loans' role in stimulating economic growth. The "Neutral" (15%) rating suggests that some respondents are unsure of the extent of the impact, but the "Moderately Negative" (18%) and "Significantly Negative" (9%) ratings indicate that a smaller minority of respondents are more cautious or unfavourable. Overall, the agreement underlines the importance of loans in improving India's economy.

How important, in your view, is it that banks make a profit in order to ensure the continued health of the economy as a whole?

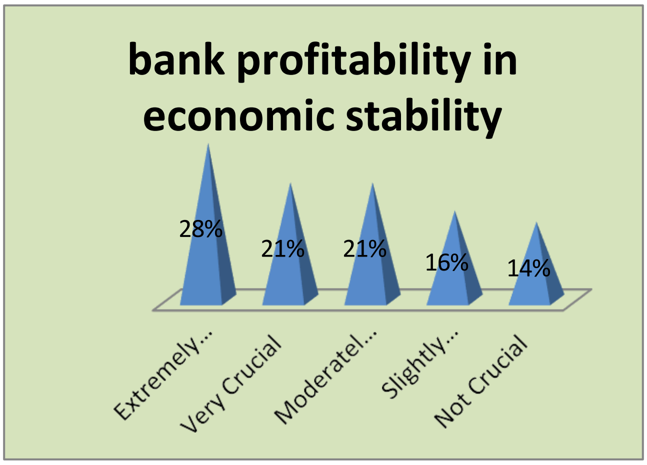

Table 6 showing bank profitability in economic stability

I believe that profiting from banks is critical to the overall health of the economy. According to the study, 49% of respondents consider bank profitability to be "Extremely Crucial" or "Very Crucial," while 28% consider it to be "Extremely Important." Bank profitability is significant to three-quarters of respondents (37%), with 21% and 17% viewing it as "Moderately Crucial" and "Slightly Crucial," respectively. In fact, just 14% of those questioned believed bank revenues were "Not Crucial" to the overall health of the economy. According to the study results, a sizable portion of the population understands the importance of bank profitability to the economy's long-term growth and stability.

Part 2: Stability and Inclusion in the Economic System

What are your thoughts on the connection between broadening access to financial services and maintaining economic growth in India?

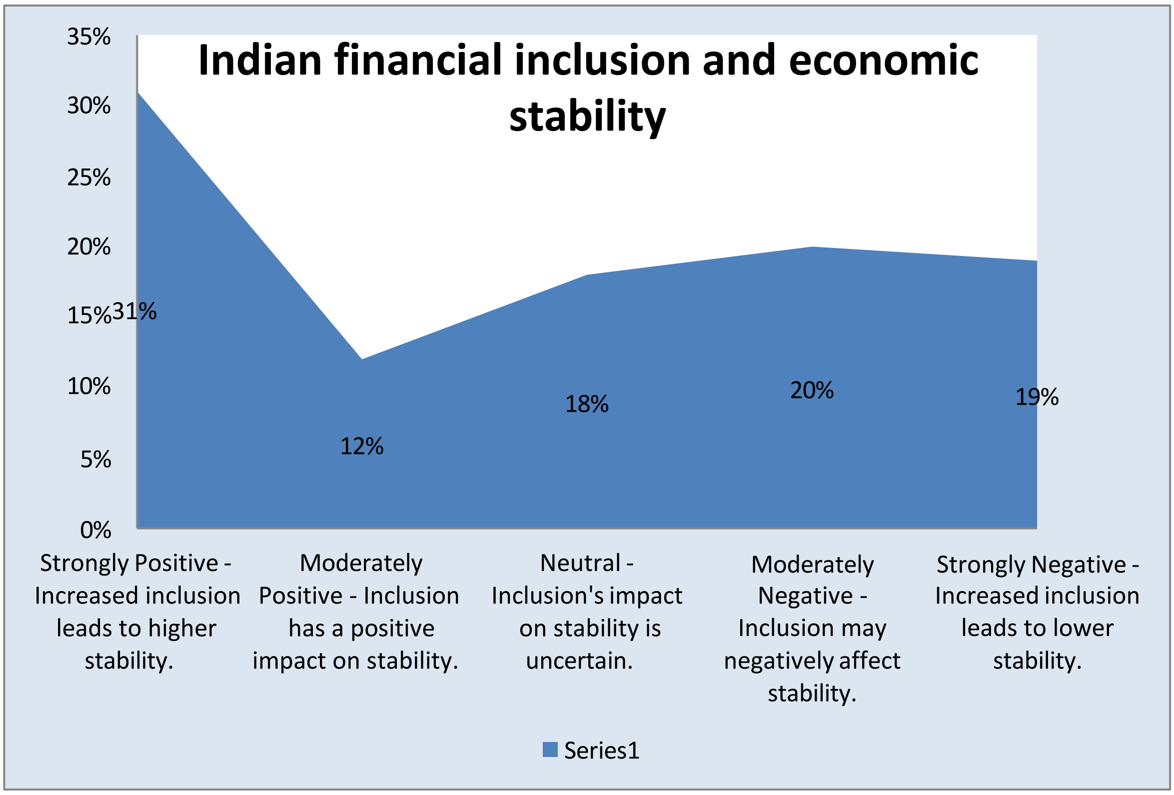

Table 7 showing Indian financial inclusion and economic stability

The survey examination of the relationship between expanded access to financial services and sustained growth in India's economy yields a variety of perspectives. People with a "Strongly Positive" attitude believe that more financial inclusion leads to increased economic growth and stability, whereas 20% have a "Moderately Negative" outlook. The impact of financial inclusion on economic growth and stability was evaluated differently by respondents, with 12% being "Moderately Positive," 18% being "Neutral," and 19% being "Strongly Negative." This contradiction in India between inclusive practises and banking sector stability underscores the need for further research and evidence-based policy to find a middle ground between these two opposing agendas.

How has the incorporation of technical advances into the banking industry in India impacted the country's capacity for financial inclusion and efficiency?

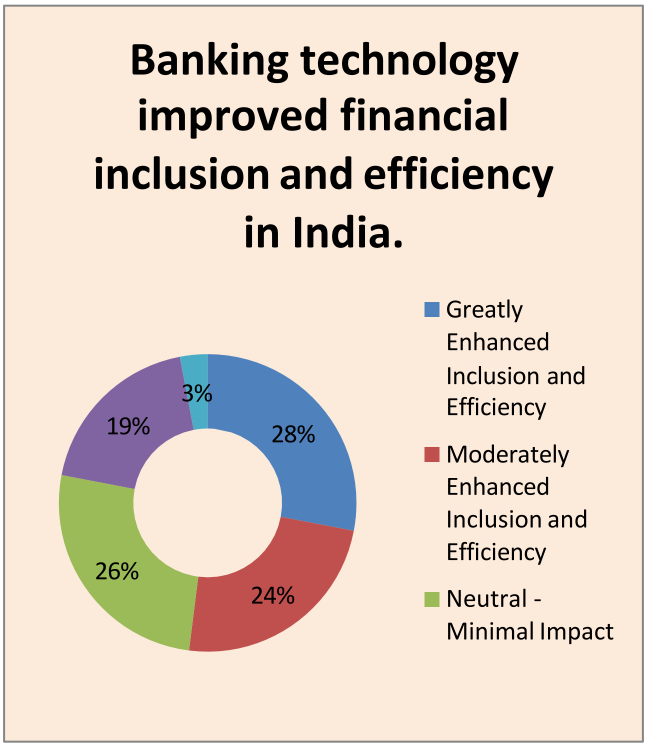

Table 8 showing Banking technology improved financial inclusion and efficiency in India.

The examination of survey data on the adoption of new technologies in India's financial industry highlights several points of view. According to 24% of respondents, technology has "Moderately Enhanced" financial inclusion and efficiency, while 28% believe it has "Greatly Enhanced." Indeed, one-fifth of those questioned are concerned that technological advancement has "Moderately Reduced" efficacy and accessibility. Furthermore, 26% of respondents believe that technology has had a "Neutral" impact, implying that it has had no discernible impact. Despite these gains, just 3% of respondents believe that openness and productivity have "Greatly Decreased." These opposing perspectives illustrate the difficulties of the repercussions of technology integration in banking, emphasizing the need for more research and strategic measures to ensure the greatest outcomes for financial inclusion and efficiency in India.

In your perspective, how does the growth of the GDP and the stability of the economy in India be affected by Non-Performing Assets (NPAs)?

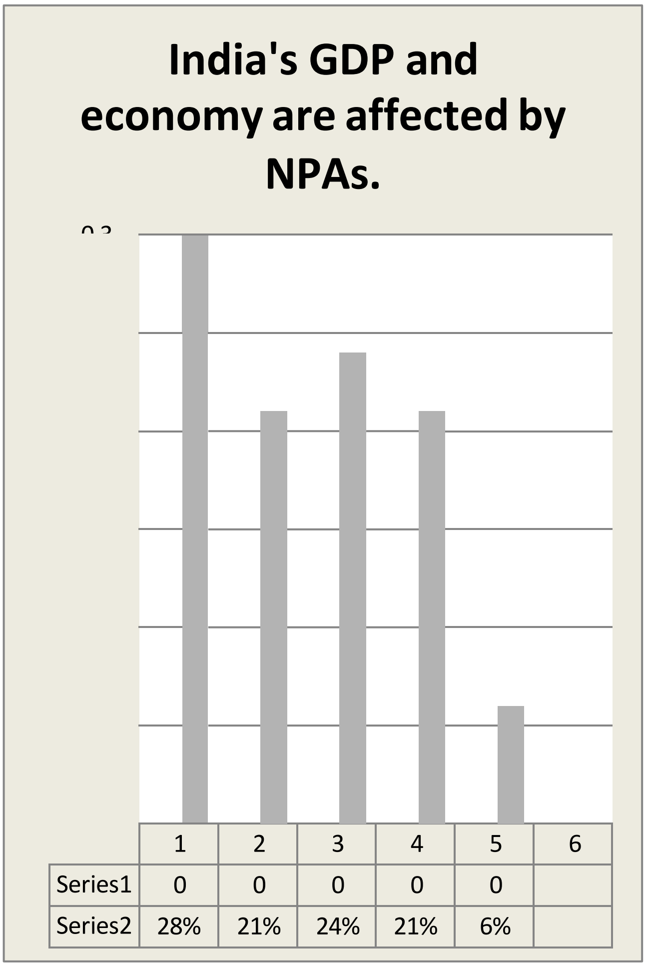

Table 9 India's GDP and economy are affected by NPAs.

There may be dispute regarding how to interpret survey data about NPAs' impact on GDP growth and economic stability in India. However, a similar number of respondents (21%), believe that NPAs have a "Mixed Impact" on growth and stability, while 28% believe that NPAs "Positively Impact" both of these criteria. Worryingly, 21% of respondents believe NPAs have a "Negative Impact," which indicates they harm GDP growth and economic stability. While just 6% of respondents are doubtful, the 24% who chose "Neutral" indicate that there is still some uncertainty about the exact impacts of NPAs. These opposing perspectives highlight the complexities of NPAs' role in India's economic environment, emphasising the importance of careful inquiry and evidence-based policies to control and mitigate their effects on GDP growth and economic stability.

In order to improve India's economic stability and solve the problem of non-performing assets (NPAs), what steps do you believe are necessary?

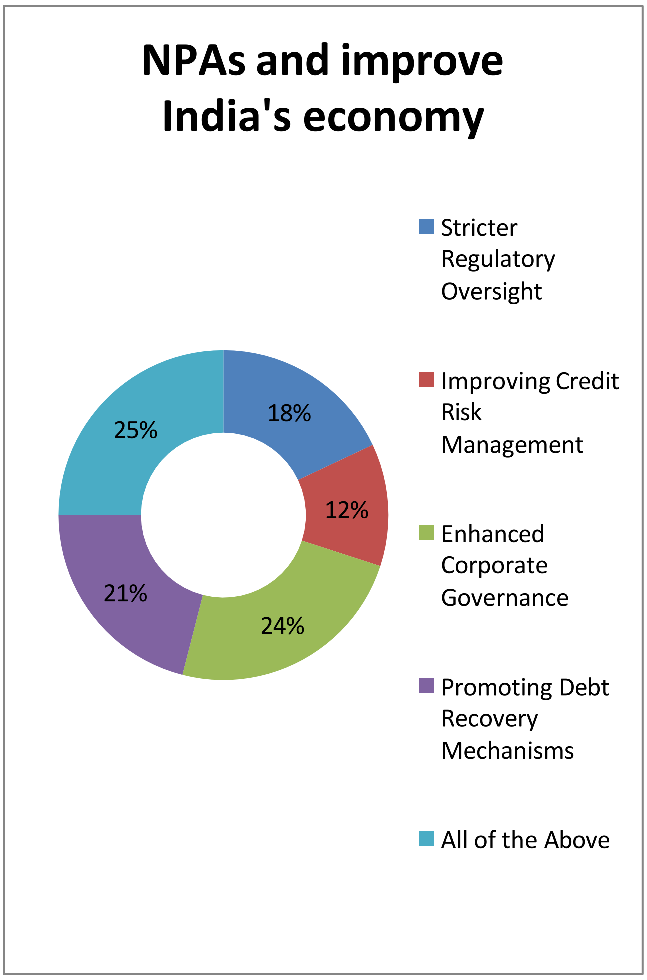

Table 10 showing NPAs and improve India's economy

The survey findings, when assessed for their implications for strengthening India's economic stability and dealing with the issue of non-performing assets (NPAs), hint to the need for a multifaceted strategy. Despite the wide range of responses, 18% of respondents emphasised the significance of "Stricter Regulatory Oversight" to strengthen stability and reduce NPAs. Furthermore, one-fifth of those polled identified "Improving Credit Risk Management" as a crucial next step. More than a quarter of those polled ranked "Enhanced Corporate Governance" as the most important advice for lowering NPAs and boosting the economy. Furthermore, 21% of respondents identified "Promoting Debt Recovery Mechanisms" as a crucial step. Twenty-five percent of those polled preferred "All of the Above," a technique that addresses corporate governance, risk management, regulatory control, and regulatory supervision in a complete manner. According to the study's findings, a holistic and diverse approach is necessary to strengthen India's economic stability and tackle the NPA problem.

5: Recommendation and conclusion

The results of the poll and literature analysis show that the banking sector in India is crucial to the country's economic growth and stability. Here are some suggestions for maximizing its economic impact:

- Research suggests that a key factor in economic growth is the effective distribution of loans to productive enterprises. The purpose of policymakers and regulators needs to be to increase the efficacy and efficiency of bank credit distribution. This may be accomplished by improved risk assessment systems, sparked innovation in loan products, and pushing banks to prioritize funding for companies with strong economic development potential.
- The poll results suggest that encouraging private sector banks might significantly impact GDP growth. To foster healthy competition, boost efficiency, and promote innovation in the banking business, it may be beneficial to encourage the growth and development of private sector banks (Ang, 2008). Policymakers should think about enacting measures that encourage the expansion of private banks, such as lowering regulatory obstacles and creating a level playing field in which all banks may compete fairly.
- Embrace change: Technology can boost banking efficiency and expand access to banking services. Especially in economically deprived areas, policymakers and regulators should actively promote the adoption of fintech technology and digital banking systems. It will be crucial to implement strict cybersecurity measures in order to preserve stability and confidence in the digital financial sector.
- The research underlines the threat that NPAs pose to GDP growth and economic stability. Government officials and watchdogs must step up their monitoring, improve their credit risk management practices, and advocate for more aggressive debt collection strategies. Maintaining financial stability will be aided by proactive measures taken to deal with nonperforming assets and encourage banks to adopt prudent lending practices (Bhadury, 2021).

- Concentrate on Corporate Management The results of the study underline the significance of good corporate governance in lowering non-performing assets and increasing economic security. The primary focus of policymakers should be on enacting reforms that raise the bar for responsible and open decision-making in the banking industry. Effective corporate governance practices will promote investor trust, attract capital, and improve the general health of the economy and the financial industry.

If India follows these suggestions, the country's financial sector would be able to significantly increase its contribution to economic stability and GDP development. These policies will contribute to long-term economic growth for the country if stakeholders, officials, and regulators work together to put them into effect.

Conclusion

The findings of this study shed light on the significance that India's banking industry plays in the country's overall economic growth and stability. Significant factors of economic success have been found, including technological growth, bank profitability, and loan distribution to profitable firms (Eren, 2019). Financial inclusion is one of the aspects that contribute to stability and continuous growth. Nonperforming assets, on the other hand, continue to be a concern that necessitates enhanced regulatory oversight and solid corporate governance procedures.

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