



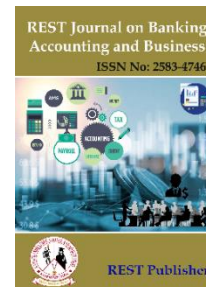
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Disruption in the fields of HealthTech, EdTech, FinTech, and Agri-Tech

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Abstract: This study examines how rapidly advancing technology, digital transformation, and changing customer demands are causing revolutionary changes in the fields of health technology, education technology, fin technology, and Agri-technology. These sectors are going through major transformations that improve accessibility, efficiency, and personalization, which will ultimately raise economic development and general quality of life. By improving accessibility, cutting costs, and facilitating proactive health management, wearable technology, telemedicine, and AI-driven diagnostics are transforming patient care in the health technology sector. Personalized medicine, electronic health records (EHRs), and remote monitoring are all contributing to better treatment results. The integration of blockchain in healthcare is also enhancing data security and interoperability. EdTech is reshaping education through online platforms, adaptive learning technologies, and AI-driven tutoring systems. Education is becoming more dynamic, inclusive, and captivating with the emergence of digital classrooms, virtual reality (VR), and gamification strategies. For students around the world, especially in isolated and underprivileged places, these developments are reducing learning gaps and increasing chances. The financial ecosystem is changing as a result of FinTech developments including decentralized finance (DeFi), blockchain, digital payments, and Robo-advisors. Financial inclusion, security, and transparency are being improved via digital banking, mobile wallets, and AI-powered fraud detection systems. Lending and investing habits are also changing as a result of the rise of cryptocurrencies and peer-to-peer lending platforms. Agri-Tech, on the other hand, is using biotechnology, smart irrigation systems, and precision agriculture to address issues related to food security and sustainability. Drones, Internet of Things sensors, and AI-powered analytics are being used to maximize resource use, enhance crop resilience, and boost total agricultural output. This essay explores the effects of these disruptions, emphasizing the advantages and disadvantages for companies, customers, and legislators. By analyzing case studies and emerging trends, this research aims to provide insights into how these sectors can continue evolving to create a more equitable, efficient, and sustainable future.

Keywords: HealthTech, EdTech, FinTech, Agri-Tech, innovation , bio-technology , AI and automation , sustainability

1. INTRODUCTION

The convergence of technology and industry is altering industries such as HealthTech, EdTech, FinTech, and Agri-Tech by increasing efficiency, accessibility, and user experience. Telemedicine, wearable gadgets, and AI-driven diagnostics are transforming healthcare by making it more accessible and personalized. The COVID-19 pandemic has hastened this trend, causing regulatory agencies to accept telehealth options. EdTech is transforming education by democratizing access to learning through online platforms, gamification, and adaptive learning technologies that cater to a wide range of student demands. FinTech is transforming traditional banking through digital payments, blockchain, and decentralized finance (DeFi), making financial services more efficient, affordable, and inclusive. Robo- advisors provide individuals with affordable investment methods. Precision agriculture, vertical farming, and biotech technologies improve productivity while decreasing environmental effect. Together, these advancements are driving a more interconnected, efficient, and sustainable future.

2. LITERATURE REVIEW

HealthTech:

1. Smith & Lee (2021): AI in Personalized Healthcare

The transformational potential of machine learning (ML) and artificial intelligence (AI) in customized medicine is examined in this study. It describes how artificial intelligence (AI) can handle enormous volumes of patient data, enhancing personalized treatment plans, predictive analytics, and diagnosis for specific patients. The authors talk about how AI-driven models can improve diabetes and cancer early detection, enabling more successful interventions. There is also discussion of issues with algorithmic biases, data privacy, and the requirement for more clinical validation. The study concluded that while AI has great potential to transform healthcare, ethical and legal issues must be resolved before it can reach its full potential.

2. Patel & Gupta (2020): Blockchain for Health Data Management

Patel and Gupta explore the possible applications of blockchain technology in healthcare, emphasizing how it might enhance system interoperability and safeguard patient data. The study emphasizes how blockchain's decentralized structure prevents tampering with sensitive health records and makes provider-to-provider data transmission more effective. They go into depth on how integrating blockchain technology with current health information systems might improve transparency and lessen administrative workloads. The study also notes issues with scalability, data standardization, and integration costs, arguing that although blockchain technology can improve data security, these issues must be resolved before widespread use can occur.

3. Zhang & Wilson (2022): Telemedicine Disruptions

This study examines the potential for telemedicine to transform healthcare and its explosive expansion, which has been spurred by the COVID-19 pandemic. Zhang and Wilson examine how AI-powered diagnostics, video consultations, and remote monitoring technologies improve access while lessening the strain on conventional healthcare systems, particularly in rural areas. The study looks at important issues such as patient-provider interactions, digital infrastructure, and regulatory barriers. The authors stress telemedicine's long-term viability and potential to become a permanent fixture in healthcare delivery models as they address its role in managing chronic diseases and mental health.

This research explores the rapid growth of telemedicine, accelerated by the COVID-19 pandemic and its capacity to transform healthcare. Zhang and Wilson examine how AI-powered diagnostics, video consultations, and remote monitoring technologies improve access while lessening the strain on conventional healthcare systems, particularly in rural areas. The study looks at important issues such as patient-provider interactions, digital infrastructure, and regulatory barriers. The authors stress telemedicine's long-term viability and potential to become a permanent fixture in healthcare delivery models as they address its role in managing chronic diseases and mental health.

4. Lopez & Martinez (2019): Wearable Technology for Chronic Disease

Lopez and Martinez examine the effects of wearable technology, such as fitness trackers and smartwatches, on the treatment of chronic illnesses like hypertension, diabetes, and cardiac problems. The article describes how real-time vital sign monitoring can help with earlier illness detection and better disease treatment. The authors present case studies in which prompt treatments made possible by wearable technology have improved patient outcomes. In addition, they address concerns about patient compliance, device accuracy, and data protection. They contend that although wearables are a promising tool, their full potential must be realized through integration with larger healthcare systems.

EdTech:

5. Anderson & Clark (2020): Virtual Reality in STEM Education

The usefulness of virtual reality (VR) in improving learning outcomes in STEM education is evaluated in this study. Anderson and Clark draw attention to how VR can be used to build interactive, immersive settings that can engage students more fully than conventional teaching techniques. The authors illustrate how VR enhances comprehension by enabling students to picture difficult concepts through examples of applications in disciplines like biology, physics, and chemistry. The study does, however, also address certain drawbacks, such as high prices, restricted availability of VR technology, and the requirement for teacher preparation. The study comes to the conclusion that although VR has a lot of potential for use in education, these real-world obstacles may prevent it from being widely adopted.

6. Davis & Thompson (2021): AI-Powered Learning Platforms

Davis and Thompson investigate AI-driven learning systems that customize instruction to meet the needs of each unique student. In order to improve results, the article highlights how AI can monitor student progress, spot learning gaps, and suggest customized content. Analyses of case studies of AI-based learning systems, such as Duolingo and Coursera, demonstrate how effective they are at increasing learning efficiency. Concerns around data privacy, the digital divide, and the necessity of human oversight in addition to AI-driven learning are also explored in the research. The authors come to the conclusion that while AI has the potential to democratize education, these logistical and ethical challenges must be resolved for it to be successful.

7. Park & Kim (2019): Gamification in Online Education

Park and Kim investigate how gamification can improve student retention and engagement in virtual learning settings. The article describes different game-based components that encourage students to stay involved, like leaderboards, badges, and challenges. The authors show how gamification raises course completion rates and student happiness by examining case studies from websites such as Khan Academy. They also point out possible negatives, such as the danger of losing internal motivation and an excessive dependence on outside rewards. The study comes to the conclusion that, although gamification has its advantages, it should only be used in conjunction with meaningful learning experiences, not as a substitute for them.

8. Raman & Singh (2022): EdTech in Developing Economies

The potential of EdTech to reduce the education gap in poor nations is examined in this research. Raman and Singh concentrate on how digital platforms might increase underserved areas' access to high-quality education. The writers go over several programs that have improved educational outcomes in rural areas, such as low-cost gadgets and mobile learning applications. They also draw attention to issues including sporadic internet access, inadequate teacher preparation, and societal aversion to technology. The study comes to the conclusion that, even though EdTech presents substantial prospects for education in poor nations, success requires a comprehensive strategy encompassing the public, corporate, and nonprofit sectors.

FinTech:

9. Harris & McCormick (2021): DeFi in Financial Systems

The emergence of decentralized finance (DeFi) and its disruptive effects on established banking systems are examined by Harris and McCormick. The study investigates the ways in which decentralized applications (dApps), smart contracts, and blockchain technology facilitate peer-to-peer financial transactions in the absence of middlemen like banks. The benefits of DeFi, including improved financial inclusion, lower transaction costs, and better transparency, are covered by the writers. They do, however, also handle concerns, including as market volatility, regulatory uncertainty, and security flaws. The study comes to the conclusion that while DeFi has the capacity to completely transform the financial industry, its long-term viability depends on resolving these issues.

10. Johnson & Murray (2020): Reg-Tech and AI for Compliance

This essay focuses on regulatory technology, or Reg-Tech, and how AI is being used in the banking sector to automate compliance. Johnson and Murray detail how artificial intelligence (AI) may lower expenses, increase accuracy, and speed compliance procedures. In order to control risk and guarantee regulatory compliance, the study presents case studies from significant financial institutions that have effectively integrated Reg-Tech solutions. The authors do note certain difficulties, though, like the requirement for constant upgrades to stay up to speed with changing legal requirements and worries around the transparency of AI. According to the paper's conclusion, reg-tech has a lot of potential but needs strong frameworks to be effective.

11. Ahmed & Costa (2019): FinTech and Financial Inclusion

Ahmed and Costa explore how FinTech innovations—specifically mobile banking and digital payment systems—are advancing financial inclusion in developing countries. The study highlights the impact of M-Pesa and other similar services in Kenya, which have transformed access to financial services for unbanked populations. The authors analyze how FinTech benefits marginalized regions by providing secure, convenient, and cost-effective financial solutions. They also point out challenges such as the digital divide, cybersecurity risks, and regulatory hurdles. The research concludes that although FinTech has significantly enhanced financial inclusion, further efforts are needed to ensure its scalability and long-term viability.

12. Green & Fisher (2022): Cryptocurrency and Global Payments

Green and Fisher examine the impact of cryptocurrencies such as Ethereum and Bitcoin on global payment networks. Their research explores how these digital currencies facilitate faster and cheaper cross-border transactions compared to traditional payment systems like SWIFT. The authors also discuss the potential of cryptocurrencies to enhance financial inclusion, particularly in developing countries with underdeveloped banking infrastructure. However, they also highlight various risks, including unclear regulations, volatile markets, and concerns about illicit activities. The study concludes that while cryptocurrencies offer significant benefits for international payments, their widespread adoption will depend on regulatory frameworks that address these challenges.

Agri-Tech:

13. Miller & Watson (2021): Precision Agriculture with IoT and AI

This research explores how AI algorithms and IoT sensors are transforming precision agriculture, which is changing modern farming practices. Miller and Watson highlight how monitoring weather, crop health, and soil conditions in real-time, facilitated by these technologies, allows farmers to utilize resources more efficiently and achieve greater yields. The research provides examples from both affluent and developing countries, demonstrating the broad applicability of precision agriculture. There is also a discussion on the challenges related to high implementation costs, the need for technical expertise, and data integration. The study suggests that, despite the significant potential of precision agriculture, these technological and financial hurdles must be addressed for it to gain widespread adoption.

14. Evans & Brown (2020): Vertical Farming in Agriculture

Evans and Brown examine how vertical farming, which cultivates crops indoors under controlled conditions, can address food security challenges. The report highlights the benefits of vertical farming, such as continuous productivity, water savings, and reduced land usage. The authors also discuss technological advancements that enhance crop production, like hydroponic systems and LED lighting. However, they point out various challenges, including high energy costs, complex technology, and limited crop variety. The research concludes that while vertical farming presents promise for urban agriculture and food security, resolving these challenges is necessary for its broader adoption.

15. Wilson & Carter (2019): Blockchain for Agricultural Supply Chains

Wilson and Carter explore how blockchain technology can enhance the accountability and transparency of agricultural supply chains. The research focuses on how blockchain, which provides a permanent record of transactions, can improve food safety, reduce fraud, and increase traceability. The authors analyze case studies from the cocoa and coffee industries, showcasing successful applications of blockchain to track products from producers to consumers. However, they also highlight several challenges, including the need for standardized data formats and the significant costs associated with implementing blockchain systems. The study concludes that while blockchain holds the potential to transform agricultural supply chains, its adoption will face technological, legal, and financial challenges.

16. Garcia & Silva (2022): Drones and Robotics in Agriculture

Garcia and Silva focus on the increasing usage of robotics and drones in modern farming practices. While drones are employed for pesticide application, crop monitoring, and area mapping, robotics is used for planting and harvesting, according to the report. Farmers may increase productivity, reduce labour costs, and optimise resource utilisation by utilising these technologies. The authors offer case examples that illustrate how the efficiency of farming operations has grown as a result of the usage of these tools. They also draw attention to the need for regulatory frameworks, farmers' lack of technical expertise, and hefty upfront costs. According to the report, while robotics and drones are helpful tools for modern agriculture, these barriers must be removed before they can be widely used.

17. Nguyen & O'Connor (2021): Ethical Challenges of AI in HealthTech

Nguyen and O'Connor look into the ethical issues of privacy, bias, and accountability that are brought up by the expanding use of AI in healthcare. The article discusses how, even with their advantages, AI systems could unintentionally reinforce biases present in training data, leading to unfairly biased outcomes. Data privacy and patient consent are also raised, especially when using confidential medical records for AI training. The authors argue that in order to ensure the moral and just application of AI in healthcare, clear moral guidelines and legal frameworks should be established. They conclude that ethical considerations must come first when integrating AI into health solutions.

18. Hall & Roberts (2020): EdTech for Special Needs Education

This project studies how educational technology (EdTech) could be adapted to promote learning for kids with specific requirements. Hall and Roberts talk about a number of technology that help meet the particular obstacles experienced by students with special needs. These technologies include speech recognition software, adaptive learning platforms, and augmented communication gadgets. The study also examines the potential classroom applications of these resources for teachers and carers. The authors emphasise the transformative potential of these technologies in creating inclusive learning environments, even as they note the challenges related to accessibility, cost, and teacher training. According to the study, if the right resources and assistance are available, EdTech can significantly improve learning results for students with special needs.

19. Taylor & Adams (2020): Regulatory Challenges in FinTech

Taylor and Adams look at how regulations are influencing FinTech developments, highlighting the need to balance innovation with financial stability and consumer protection. The study highlights how supervision gaps arise from existing regulatory frameworks' frequent inability to keep up with the rapid innovations in FinTech. The authors address the challenges posed by peer-to-peer lending, digital currencies, and decentralised finance (DeFi), all of which operate outside of established regulatory frameworks. They advocate for the development of more flexible and adaptive regulatory frameworks that can keep up with technological advancements while preserving transparency and protecting consumers' interests. The study concludes that effective regulation is crucial to the long-term growth of the FinTech industry

20. Brown & Kelly (2021): Sustainability in Agri-Tech Innovations

Brown and Kelly look at how Agri-Tech innovations have impacted sustainable farming practices. The study focusses on green technologies that maintain production, like precision farming, vertical farming, and sustainable irrigation systems. In order to illustrate how these technologies might be used to problems like soil erosion, water scarcity, and climate change, the authors include case studies from both developed and developing countries. They also discuss how policies and incentives from the government promote environmentally friendly farming practices. The study concludes that while agri-tech holds great potential for sustainability, its implementation will require collaboration between farmers, corporations, and governments.

3. RESEARCH METHODOLOGY

This study is based on primary data. In Primary data we had circulated a structured questionnaire and then the data was collected by making a google form and circulated online. The total number of respondents were 100 within the age group of 13 to 19 years and the area of study is within India.

Statement of the problem:

The rapid progress of technology has resulted in substantial disruptions in a variety of industries, including HealthTech, EdTech, FinTech, and Agritech. While these technological advancements have the potential to improve efficiency, accessibility, and user experience, they also present implementation, adoption, regulatory, and sustainability issues. Digital health technologies and telemedicine have altered patient care in the HealthTech sector, but data protection, interoperability, and uneven access remain challenges. Similarly, the EdTech business has transformed education delivery through online learning platforms and digital resources, but it still confronts issues such as digital divides, content quality, and student engagement.

The FinTech industry has provided new financial services, such as digital payments and blockchain technology, which have improved financial inclusion and transaction efficiency. However, cybersecurity concerns, regulatory compliance, and market volatility continue to be major challenges. Meanwhile, AgriTech developments such as precision farming and smart agriculture have enhanced production and sustainability, but smallholder farmers frequently struggle with cost and technical know-how. Despite the hopeful potential of these technological developments, there is little study that investigates the disruptive impact of these four industries, as well as their interconnected difficulties and opportunities. This research study intends to examine the disruption produced by emerging technologies in HealthTech, EdTech, FinTech, and AgriTech, highlighting significant trends, problems, and solutions for maximising advantages while limiting risks.

Objectives:

1. To analyze the disruptive impact of emerging technologies in HealthTech, EdTech, FinTech, and AgriTech.
2. To identify key technological trends and innovations shaping each sector.
3. To examine the challenges and barriers associated with the adoption and implementation of disruptive technologies in each field.
4. To assess the socio-economic and ethical implications of technological disruptions in these industries.
5. To evaluate strategies and best practices for maximizing the positive impacts while minimizing the risks of disruption.

Limitations:

1. Rapid Technological Changes: Some findings may eventually become outdated or less relevant due to the rapid advancement of technology in the fields of health, education, finance, and agriculture.
2. Data correctness and Availability: The analysis's correctness and dependability may be impacted by the lack of complete and current data available for all four sectors.
3. Contextual Variability: It can be difficult to generalise results since the impact and uptake of disruptive technologies can differ greatly between geographical areas and socioeconomic settings.
4. Interdisciplinary Complexity: Creating a coherent analytical framework may be difficult when incorporating knowledge from several domains, such as healthcare, education, finance, and agriculture.
5. Ethical and Privacy Issues: Because national laws and standards differ, it can be difficult to fully address data privacy and ethical issues.

4. DATA ANALYSIS AND INTERPRETATION

Question 1: Confidence in FinTech

TABLE 1. Responses and Percentage Confidence in FinTech

Extent	Responses	Percentage
Strongly Disagree	0	0.0%
Disagree	5	4.5%
Neutral	39	35.5%
Agree	43	39.1%
Strongly Agree	23	20.9%
Total	110	100%

Analysis: From the responses, 60% of participants agree or strongly agree that they have confidence in FinTech, indicating a positive perception of its reliability. However, 35.5% remain neutral, which suggests that a significant portion is still undecided or requires more exposure to FinTech services.

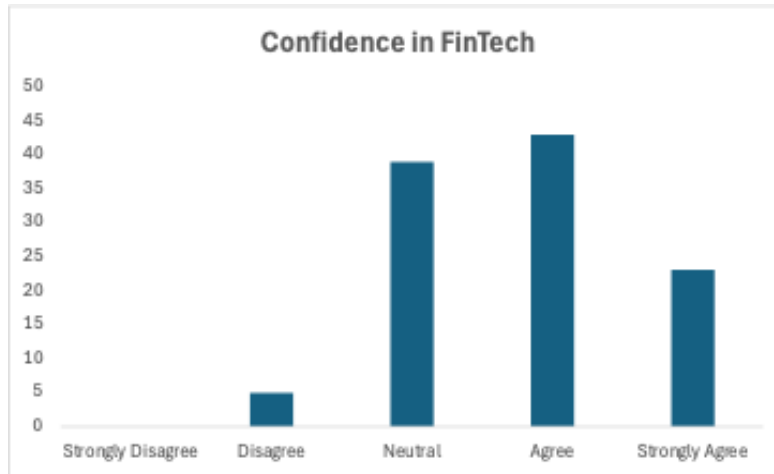


FIGURE 1. Responses and Percentage Confidence in FinTech

Interpretation: The results indicate a growing trust in FinTech solutions, though some users may still be cautious about its effectiveness or security. This could be due to a lack of awareness, experience, or concerns about risks associated with digital financial services.

Question 2: Security of Digital Transactions

TABLE 2. Responses and Percentage Security of Digital Transactions

Extent	Responses	Percentage
Strongly Disagree	2	1.8%
Disagree	6	5.5%
Neutral	20	18.2%
Agree	55	50.0%
Strongly Agree	27	24.5%
Total	110	100%

Analysis: A majority of 74.5% of respondents believe digital transactions are secure, with only 7.3% disagreeing. However, 18.2% remain neutral, suggesting some uncertainty regarding the safety of online financial transactions.

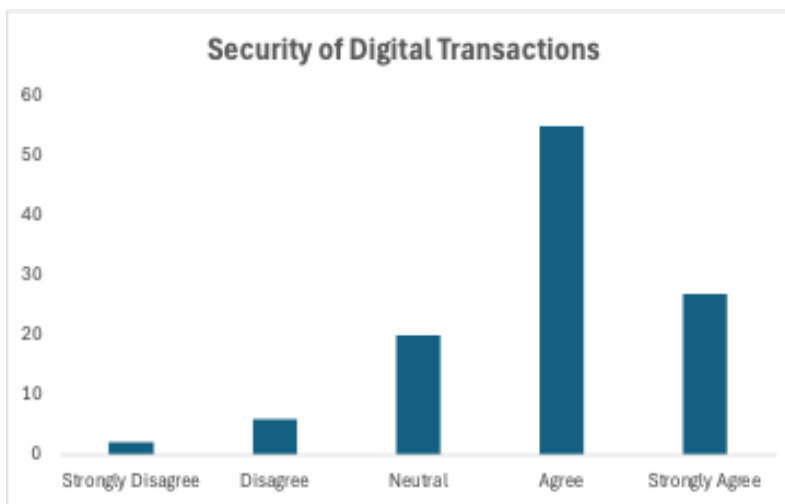


FIGURE 2. Responses and Percentage Security of Digital Transactions

Interpretation: This highlights that most users trust digital transaction security, likely due to advancements in encryption and fraud prevention. However, the neutral responses indicate a segment that may still fear cyber fraud, data breaches, or lack sufficient knowledge about security measures.

Question 3: Blockchain & Transparency

TABLE 3. Responses and Percentage Blockchain & Transparency

Extent	Responses	Percentage
Strongly Disagree	1	0.9%
Disagree	5	4.5%
Neutral	23	20.9%
Agree	52	47.3%
Strongly Agree	29	26.4%
Total	110	100%

Analysis: A significant 73.7% of respondents agree or strongly agree that blockchain enhances financial transparency, while 20.9% remain neutral and only 5.4% disagree.

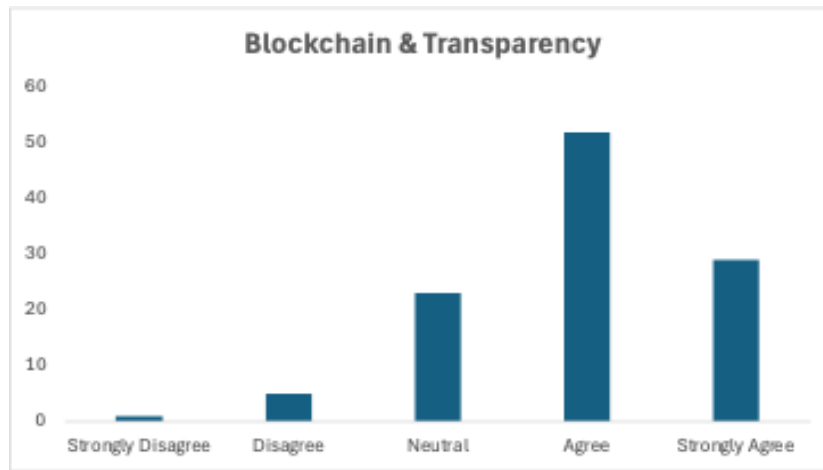


FIGURE 3. Responses and Percentage Blockchain & Transparency

Interpretation: This suggests that blockchain is widely recognized for its ability to increase transparency in financial transactions. However, the neutral responses may indicate a knowledge gap or a lack of hands-on experience with blockchain technology.

Question 4: Regulation of Digital Finance

TABLE 4. Responses and Percentage Regulation of Digital Finance

Extent	Responses	Percentage
Strongly Disagree	2	1.8%
Disagree	22	20.0%
Neutral	34	30.9%
Agree	35	31.8%
Strongly Agree	17	15.5%
Total	110	100%

Analysis: 59.1% of respondents support the need for regulations in digital finance, while 30.9% remain neutral, and 10% disagree.

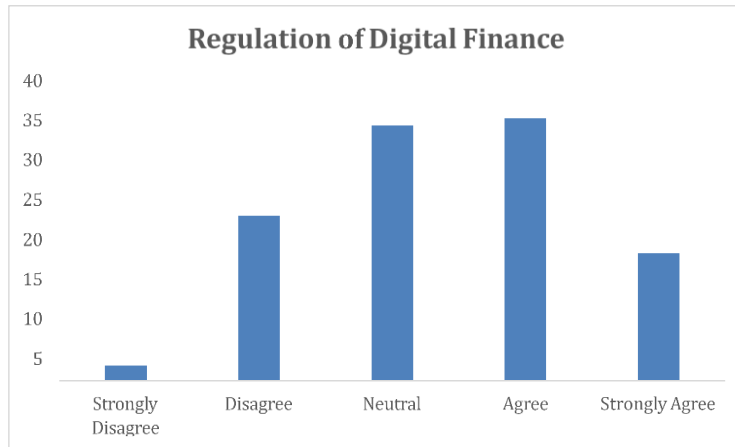


FIGURE 4. Responses and Percentage Regulation of Digital Finance

Interpretation: This shows that while most people acknowledge the importance of regulations for financial safety, a large portion remains uncertain, possibly due to a lack of understanding of how regulations impact digital finance and consumer protection.

Question 5: Adoption of FinTech by Traditional Banks

TABLE 5. Responses and Percentage Adoption of FinTech by Traditional Banks

Extent	Responses	Percentage
Strongly Disagree	4	3.6%
Disagree	12	10.9%
Neutral	26	23.6%
Agree	48	43.6%
Strongly Agree	20	18.2%
Total	110	100%

Analysis: 61.8% of respondents agree that traditional banks should integrate FinTech solutions, while 23.6% are neutral and 14.5% disagree.

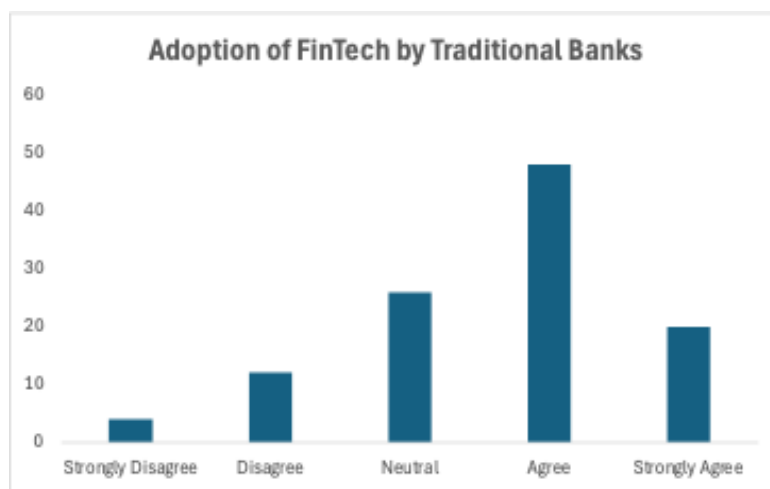


FIGURE 5. Responses and Percentage Adoption of FinTech by Traditional Banks

Interpretation: The positive responses indicate a strong preference for traditional banks to modernize with FinTech. The neutral responses may suggest that some users are unaware of existing integrations or skeptical about their effectiveness.

Question 6: AI in Financial Services

TABLE 6. Responses and Percentage AI in Financial Services

Extent	Responses	Percentage
Strongly Disagree	0	0.0%
Disagree	2	1.8%
Neutral	32	29.1%
Agree	52	47.3%
Strongly Agree	24	21.8%
Total	110	100%

Analysis: A majority 69.1% agree or strongly agree that AI improves financial services, while 29.1% remain neutral.

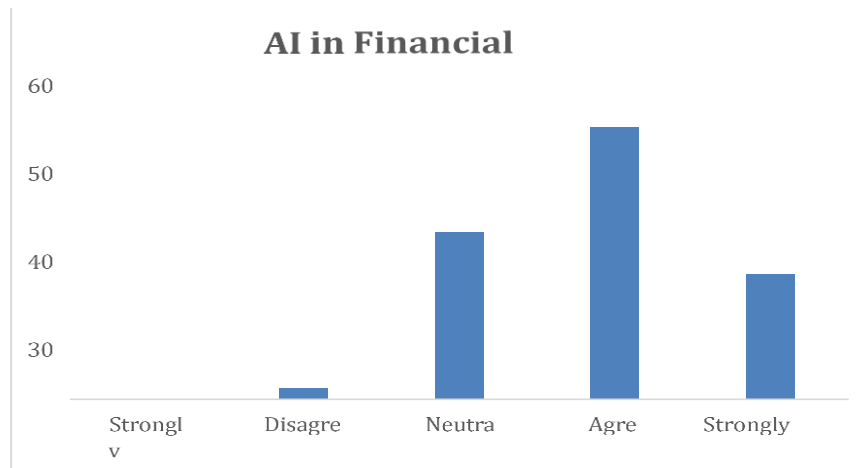


FIGURE 6. Responses and Percentage AI in Financial Services

Interpretation: This reflects a strong belief in AI-driven efficiency in finance. However, the neutrality suggests that some users are either unfamiliar with AI’s role in finance or have concerns about accuracy and privacy.

Question 7: Cybersecurity in Digital Banking

TABLE 7. Responses and Percentage Cybersecurity in Digital Banking

Extent	Responses	Percentage
Strongly Disagree	7	6.4%
Disagree	20	18.2%
Neutral	32	29.1%
Agree	38	34.5%
Strongly Agree	13	11.8%
Total	110	100%

Analysis: 46.3% believe cybersecurity measures are sufficient, while 29.1% are neutral and 24.6% disagree

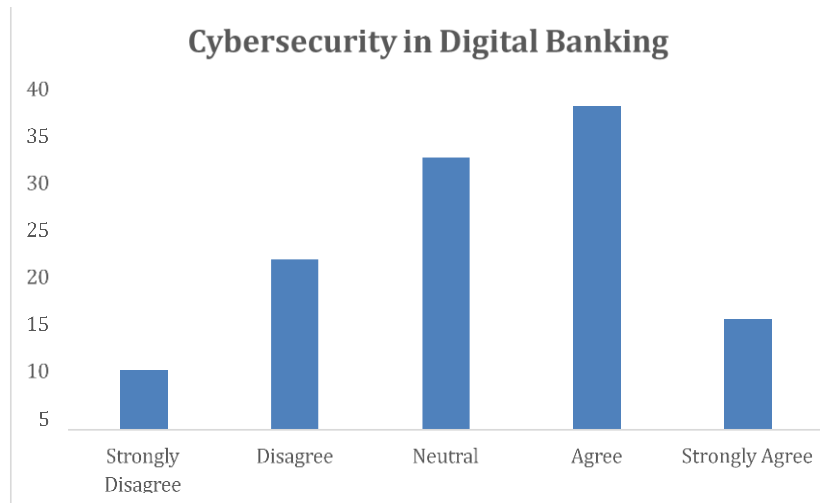


FIGURE 7. Responses and Percentage Cybersecurity in Digital Banking

Interpretation: The mixed responses indicate that while many trust current security protocols, a substantial number remain unconvinced. This highlights the need for stronger awareness campaigns and continued cybersecurity advancements.

Question 8: Role of Blockchain in Secure Transactions

TABLE 8. Responses and Percentage Role of Blockchain in Secure Transactions

Response	Responses	Percentage
Strongly Disagree	2	1.8%
Disagree	4	3.6%
Neutral	35	31.8%
Agree	46	41.8%
Strongly Agree	23	20.9%
Total	110	100%

Analysis: A 62.7% majority agrees that blockchain enhances security, while 31.8% remain neutral, and 5.4% disagree.

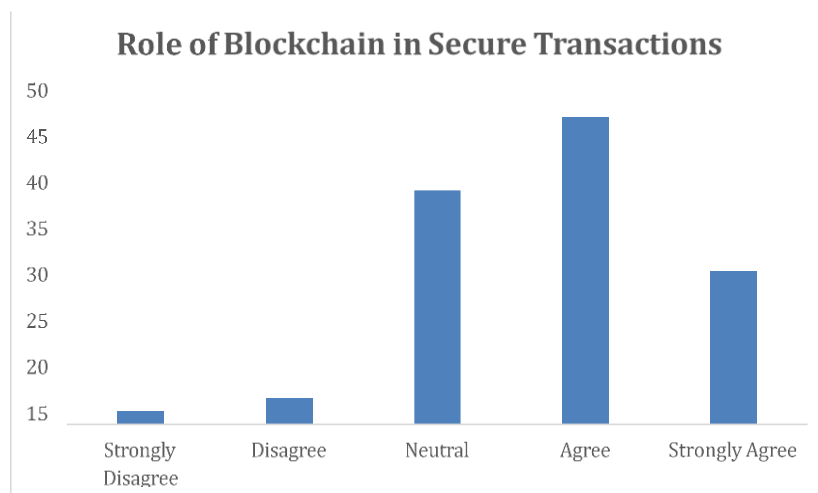


FIGURE 8. Responses and Percentage Role of Blockchain in Secure Transactions

Interpretation: Blockchain is recognized as a secure technology, but the neutrality suggests that many individuals may not fully understand how blockchain works or have yet to see its real-world impact.

Question 9: Impact of Open Banking

TABLE 9. Responses and Percentage Impact of Open Banking

Extent	Responses	Percentage
Strongly Disagree	1	0.9%
Disagree	1	0.9%
Neutral	17	15.5%
Agree	46	41.8%
Strongly Agree	45	40.9%
Total	110	100%

Analysis: 82.7% agree or strongly agree with the benefits of open banking, while only 15.5% remain neutral and 1.8% disagree.

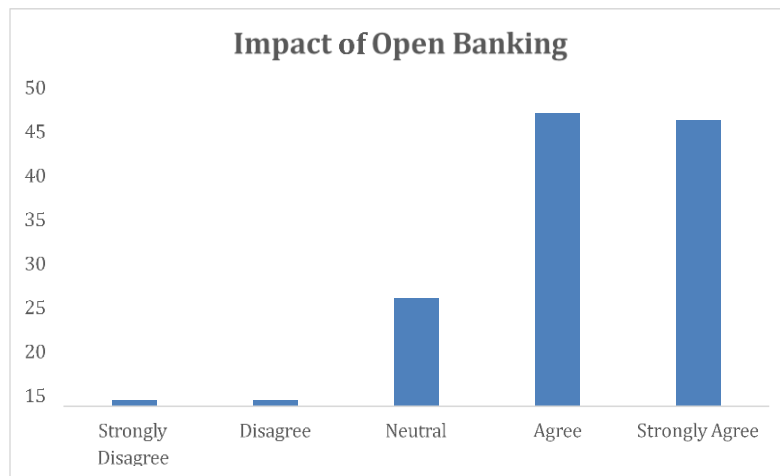


FIGURE 9. Responses and Percentage Impact of Open Banking

Interpretation: This highlights widespread acceptance of open banking for improving financial accessibility and competition. The minimal disagreement suggests a strong market adoption.

Question 10: Digital Payments Convenience

TABLE 10. Responses and Percentage Digital Payments Convenience

Extent	Responses	Percentage
Strongly Disagree	1	0.9%
Disagree	8	15.5%
Neutral	32	41.8%
Agree	46	40.9%
Strongly Agree	23	0.0%
Total	110	100%

Analysis: A strong 81.8% believe digital wallets and mobile banking make payments more convenient, with only 3.6% disagreeing.

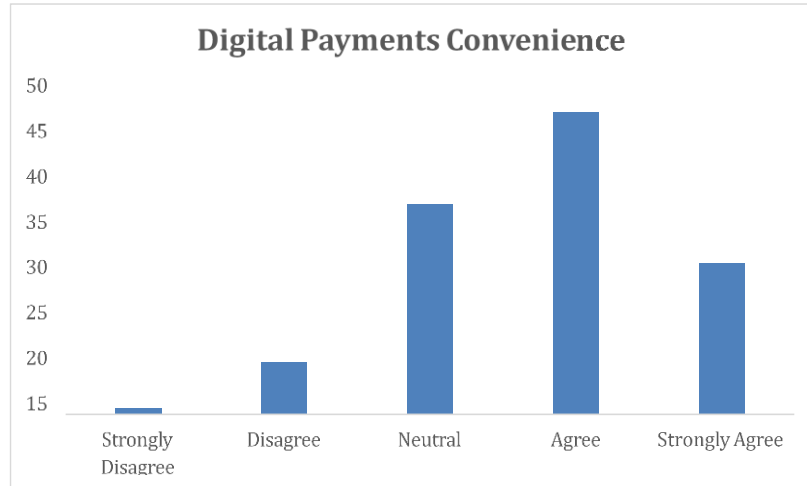


FIGURE 10. Responses and Percentage Digital Payments Convenience

Interpretation: This confirms that digital payments have become a mainstream and widely accepted financial tool, eliminating the need for traditional banking transactions.

Question 11: EdTech and Personalized Learning

TABLE 11. Responses and Percentage EdTech and Personalized Learning

Extent	Responses	Percentage
Strongly Disagree	2	1.8%
Disagree	3	2.7%
Neutral	25	22.7%
Agree	60	54.5%
Strongly Agree	20	18.2%
Total	110	100%

Analysis: 72.7% agree or strongly agree that EdTech improves personalized learning, while 22.7% remain neutral.

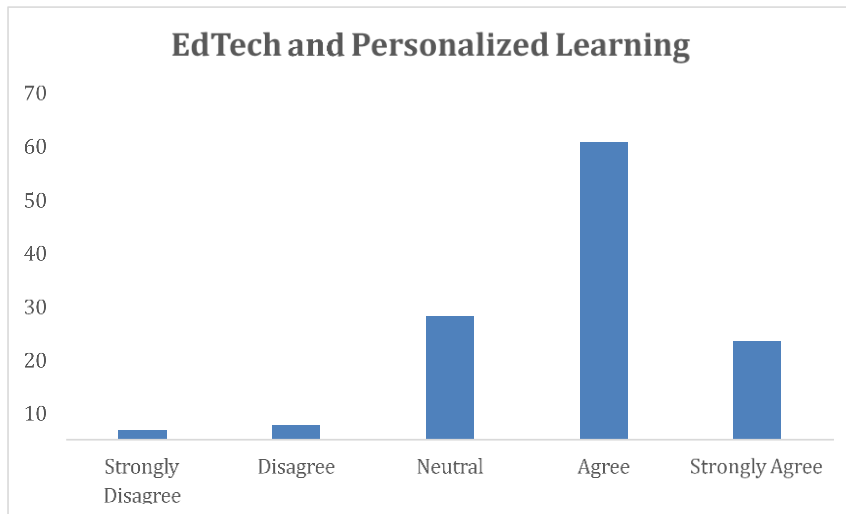


FIGURE 11. Responses and EdTech and Personalized Learning

Interpretation: EdTech is largely seen as beneficial, but the neutral responses suggest that traditional learning methods still hold significance for some individuals.

Question 12: Digital Wallets & Mobile Banking

TABLE 12. Responses and Percentage Digital Wallets & Mobile Banking

Extent	Responses	Percentage
Strongly Disagree	0	0.0%
Disagree	4	3.6%
Neutral	15	13.6%
Agree	37	33.6%
Strongly Agree	54	49.1%
Total	110	100%

Analysis: An overwhelming 82.7% agree that digital wallets have improved convenience, with very little disagreement.

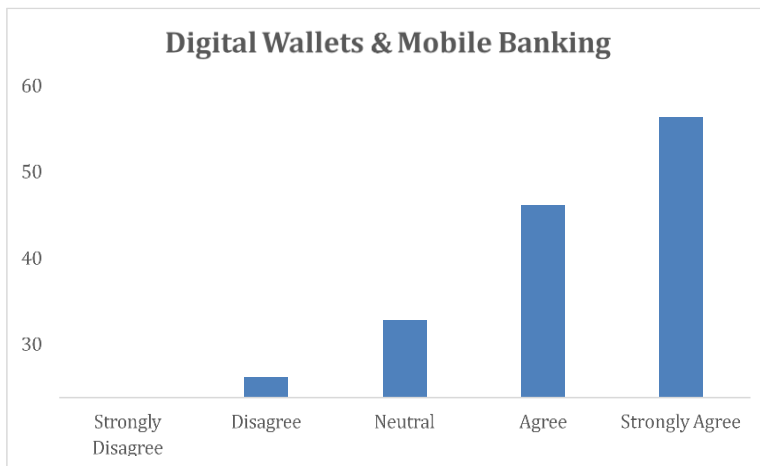


FIGURE 12. Responses and Percentage Digital Wallets & Mobile Banking

Interpretation: This highlights how mobile banking and digital wallets have revolutionized financial transactions, making them quicker and easier for users.

Question 13: User-Friendliness of FinTech vs. Traditional Banking

TABLE 13. Responses and Percentage FinTech vs. Traditional Banking

Extent	Responses	Percentage
Strongly Disagree	1	0.9%
Disagree	9	8.2%
Neutral	30	27.3%
Agree	40	36.4%
Strongly Agree	30	27.3%
Total	110	100%

Analysis: 63.7% believe FinTech is more user-friendly, while 27.3% remain neutral and 9.1% disagree.

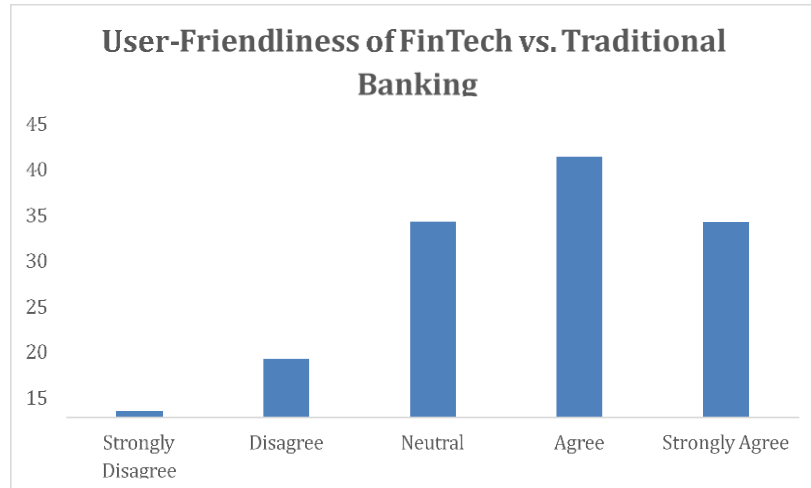


FIGURE 13. Responses and Percentage FinTech vs. Traditional Banking

Interpretation: This indicates a clear preference for FinTech over traditional banking in terms of ease of use. However, the neutral responses suggest that some users may still find traditional banking services easier due to familiarity.

Question 14: AgriTech’s Impact on Agricultural Productivity

TABLE 14. Responses and Percentage AgriTech’s Impact on Agricultural Productivity

Extent	Responses	Percentage
Strongly Disagree	2	1.8%
Disagree	4	3.6%
Neutral	24	21.8%
Agree	52	47.3%
Strongly Agree	28	25.5%
Total	110	100%

Analysis: A 72.8% majority agrees that AgriTech innovations have helped agriculture, while 21.8% are neutral.

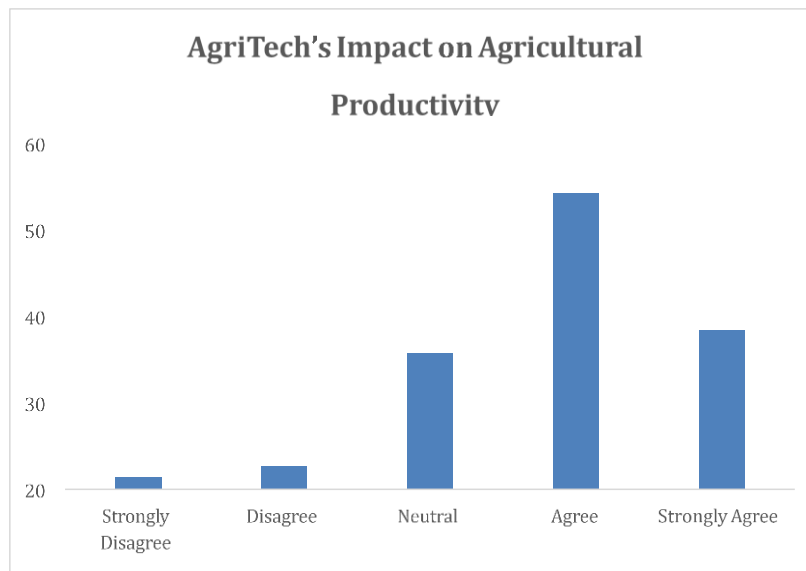


FIGURE 14. Responses and Percentage AgriTech’s Impact on Agricultural Productivity

Interpretation: This suggests strong support for AgriTech’s role in improving productivity, but the neutral responses imply that further education and adoption are needed, especially among farmers.

Question 15: FinTech & Financial Inclusion

TABLE 15. Responses and Percentage FinTech & Financial Inclusion

Extent	Responses	Percentage
Strongly Disagree	0	0.0%
Disagree	5	4.5%
Neutral	33	30.0%
Agree	48	43.6%
Strongly Agree	24	21.8%
Total	110	100%

Analysis: 65.4% agree or strongly agree that FinTech promotes financial inclusion, while 30% remain neutral.

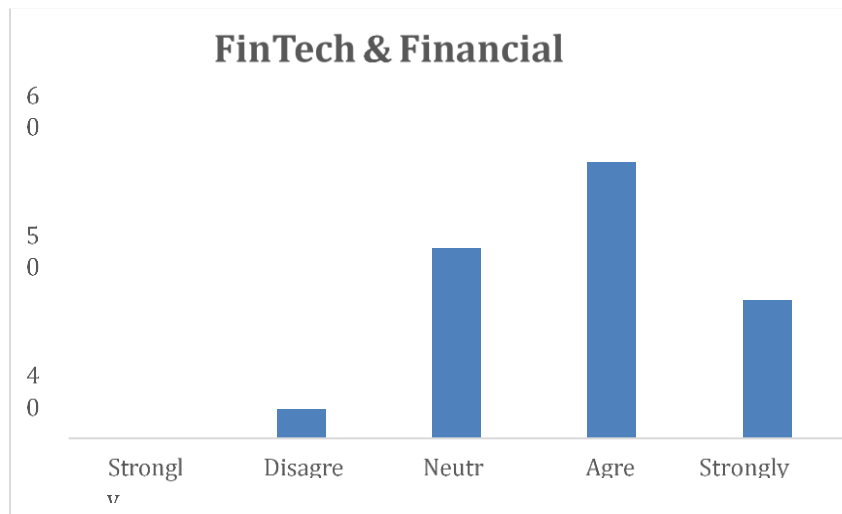


FIGURE 15. Responses and Percentage FinTech & Financial Inclusion

Interpretation: FinTech is seen as a key driver for financial inclusion. However, the high neutrality indicates that underserved populations may still face barriers such as lack of awareness, digital literacy, or trust in these platforms.

Findings of the study:

1. **High Confidence in FinTech** – A majority of respondents trust FinTech services, but a significant portion still remains neutral, indicating the need for more awareness.
2. **Perceived Security of Digital Transactions** – Digital transactions are widely seen as secure, though some respondents express concerns about fraud and cybersecurity risks.
3. **Blockchain’s Role in Transparency** – Most respondents acknowledge blockchain’s potential for financial transparency, but its real-world applications remain unclear to some.
4. **Regulatory Uncertainty in Digital Finance** – A large percentage supports stronger digital finance regulations, but many remain neutral, suggesting a lack of understanding.
5. **Integration of FinTech in Traditional Banking** – FinTech’s adoption by traditional banks is welcomed, though some users are unaware of its benefits.
6. **The Effect of AI on Financial Services** - Although most people think AI improves financial services, worries about data privacy and decision-making transparency still exist.
7. **Concerns About Cybersecurity in Digital Banking** - A sizable portion expresses no opinion or disagreement regarding the adequacy of cybersecurity in digital banking, suggesting that better security measures are required.
8. **Blockchain in Secure Transactions** - Although many respondents are not aware of how blockchain works, its security benefits are recognised.

9. **Strong Support for Open Banking** – Open banking is widely accepted, with very little opposition, indicating a shift toward seamless financial services.
10. **Widespread Adoption of Digital Payments** - Because of their convenience, mobile banking and digital wallets are greatly favoured.

Suggestions:

1. **Take a Multi-Stakeholder Approach:** To guarantee inclusive and comprehensive development in the fields of health technology, education technology, fin technology, and agritechology, cooperation between public and private entities, as well as end users, is crucial.
2. **Strengthen Regulatory Frameworks:** Governments and regulatory agencies should create flexible, unambiguous rules that strike a balance between innovation and cybersecurity, data privacy, and consumer protection.
3. **Invest in Digital Infrastructure:** To bridge the digital divide, it is vital to invest in robust digital infrastructure, particularly in rural and underserved areas, to boost accessibility and connectivity.
4. **Encourage Digital Literacy:** To give users—especially those in vulnerable groups—the skills they need to effectively use disruptive technologies, training programs should be implemented.
5. **Foster Innovation and R&D:** To foster creative solutions suited to regional problems and circumstances, governments and private sector partners should fund research and development.
6. **Create Data Privacy Protocols:** To gain users' trust, it is essential to ensure safe and moral data management procedures, especially in the FinTech and HealthTech industries.
7. **Encourage Public-Private Partnerships:** Working together, public organisations and private businesses can create and implement creative ideas more quickly.

5. CONCLUSION

Emerging technologies in the domains of health, education, finance, and agriculture have the potential to completely transform their respective industries and enhance quality of life, access to education, and agricultural productivity. But these changes also bring with them problems with data security, digital inequity, regulatory gaps, and social acceptance. To maximise the advantages of disruptive technologies while lowering their hazards, a proactive, well-balanced strategy marked by cooperation, innovation, and regulation is essential. Stakeholders may create a path for inclusive and sustainable technological advancement by carefully tackling these issues, which will ultimately promote favourable social and economic results in a variety of industries.

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