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ANALYZING THE ROLE OF ROBO-ADVISORS IN TRANSFORMING FINTECH AMONG GENZ

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INTRODUCTION

Fintech, as it is more often known, is a term used to describe emerging technology that aims to enhance and automate the provision of financial services. Fintech is primarily used to assist organizations, entrepreneurs, and consumers in better managing their financial operations, procedures, and lives. It consists of specialized software and algorithms used on laptops and mobile devices. The term "financial technology" is reduced to "fintech."

4.1 *RATIONALE FOR THE STUDY AND MOTIVATION*

The rationale for this study stems from the increasing prominence of robo-advisors within the fintech landscape and their transformative potential in democratizing access to wealth management services. As traditional financial institutions grapple with challenges such as high fees, minimum investment requirements, and limited accessibility, robo-advisors offer a disruptive solution by harnessing the power of artificial intelligence and data analytics to provide personalized investment advice at a fraction of the cost.

Moreover, the motivation behind this research lies in the need to understand the implications of robo-advisors on investor behavior, financial markets, and regulatory frameworks. By investigating the adoption patterns, usage trends, and performance outcomes associated with robo-advisors, this study aims to uncover valuable insights that can inform strategic decision- making for financial institutions, regulators, and investors alike.

Furthermore, as the fintech industry continues to evolve rapidly, fueled by technological advancements and shifting consumer preferences, there is a growing urgency to critically evaluate the opportunities and challenges presented by robo-advisors. By exploring the regulatory, ethical, and societal implications of these automated investment platforms, this research seeks to contribute to the broader discourse on the future of wealth management and financial inclusion.

In summary, the rationale for this study is grounded in the recognition of robo-advisors as a disruptive force within the fintech ecosystem, coupled with the motivation to understand their impact on investor behavior, financial markets, and regulatory frameworks. Through rigorous empirical analysis and theoretical inquiry, this research aims to shed light on the transformative potential of robo-advisors and their role in shaping the future of wealth management.

ROBO ADVISORS IN FINTECH

The Algorithmic Ascendancy: Robo-Advisors and the Restructuring of Fintech Investment Paradigms

Within the financial technology (fintech) domain, a transformative shift is underway, driven by relentless innovation and a burgeoning emphasis on democratizing access to financial services. At the vanguard of this evolution lies the emergence of robo-advisors – algorithmic platforms that are fundamentally reshaping how individuals approach wealth management. This paradigm shift marks a distinct departure from the traditional model, where personalized investment guidance was a privilege reserved for high-net-worth individuals due to its prohibitive costs and minimum investment requirements.

Robo-advisors leverage the potency of artificial intelligence (AI) and machine learning to meticulously craft investment strategies tailored to each user's unique financial objectives and risk tolerance. Through user-centric interfaces, these platforms delve into an investor's profile, meticulously gathering data on risk appetite, investment horizon, and financial situation. Armed with this comprehensive dataset, sophisticated algorithms construct diversified portfolios across an array of asset classes, encompassing equities, fixed income instruments, exchange-traded funds (ETFs), and

even alternative investments in some instances. These algorithms can incorporate Modern Portfolio Theory principles to optimize for risk-adjusted returns, ensuring a balance between potential growth and downside protection.

The transformative impact of robo-advisors extends far beyond mere automation. Traditionally, the realm of wealth management has been veiled in an aura of exclusivity, often leaving individual investors feeling overwhelmed and outmanoeuvred by the complexities of the financial markets. Robo-advisors bridge this divide by offering a client-centric approach. Gone are the days of deciphering intricate financial jargon or navigating the opaque world of high-minimum investment funds. With robo-advisors, the power to invest shifts to the individual, empowering them to take charge of their financial future through a user-friendly and accessible platform.

This democratization of wealth management is fueled by several key advantages offered by robo- advisors. Firstly, they dismantle the cost barrier. Unlike traditional advisors who levy a percentage of assets under management (AUM), robo-advisors typically operate on a flat fee or tiered fee structure, often based on the account size. This significantly reduces costs, particularly for those starting with smaller investment amounts, making wealth management a more attainable proposition for a broader segment of the population. Secondly, robo-advisors usher in a new era of accessibility. Minimum investment requirements are drastically reduced, opening the door for a wider spectrum of individuals to participate in the financial markets and accumulate wealth over time. This allows individuals to initiate investing early, leveraging the power of compound interest to achieve their long-term financial goals.

Furthermore, robo-advisors eliminate the human element from the investment decision-making process, mitigating the influence of emotions and behavioural biases that can often lead to suboptimal investment choices. By relying on data-driven algorithms and objective risk assessments, robo-advisors ensure investment decisions are guided by a clear-headed analysis of market trends, historical data, and the investor's long-term goals. This objectivity is further bolstered by the ability of robo-advisors to constantly monitor market fluctuations and rebalance portfolios automatically. This ensures the portfolio remains aligned with the investor's risk profile and takes advantage of market opportunities as they arise.

However, it's critical to acknowledge that robo-advisors are not a one-size-fits-all solution. Their reliance on algorithms, while offering objectivity, may not fully capture the nuances of complex financial situations that might necessitate human intervention and qualitative judgment. For instance, investors with unique circumstances, such as upcoming inheritance or business ownership, might benefit from the guidance of a human advisor who can provide a more holistic financial plan. Additionally, the lack of personalized interaction with a human advisor might be a concern for some investors seeking in-depth financial guidance or emotional support during turbulent market conditions. Robo-advisors may not be able to replace the human touch and emotional intelligence that some investors value in a financial advisor.

As we look towards the horizon, the future of robo-advisors appears intricately linked with the continued evolution of AI and machine learning technologies. As these algorithms become more sophisticated, their ability to handle complex investment scenarios and integrate qualitative factors into decision-making is likely to improve. This could involve incorporating factors like an investor's values-based investing preferences or ESG (environmental, social, and governance) considerations. This continuous development, coupled with the growing comfort level with digital financial tools, suggests that robo-advisors are poised to play an increasingly significant role in shaping the future of investment strategies within the dynamic fintech ecosystem. Furthermore, the integration of robo-advisors with other fintech tools, such as budgeting apps and robo-accounting services, could lead to the creation of a holistic wealth management platform that caters to all aspects of an individual's financial life.

STATEMENT OF RESEARCH PROBLEM

The research aims to investigate the transformative impact of robo-advisors within the dynamic landscape of financial technology (fintech). As fintech continues to revolutionize the financial industry, robo-advisors have emerged as a disruptive force, fundamentally reshaping how individuals approach wealth management. This study seeks to explore the multifaceted implications of robo-advisors on investment paradigms, investor behaviour, and the broader fintech ecosystem.

By leveraging artificial intelligence (AI) and machine learning algorithms, robo-advisors offer automated investment advice and portfolio management services, democratizing access to personalized financial guidance that was once reserved for high-net-worth individuals. The research will delve into the mechanisms through which robo-advisors harness data-driven insights to construct diversified portfolios tailored to each user's unique financial objectives and risk tolerance.

Furthermore, the study will investigate the implications of robo-advisors on investor decision- making processes and financial outcomes. By eliminating the human element from investment decisions, robo-advisors mitigate the influence of emotions and behavioural biases, potentially leading to more objective and rational investment strategies. The research will explore how investors perceive and interact with robo-advisors, as well as the extent to which these platforms empower individuals to take control of their financial futures.

Additionally, the study will examine the regulatory and ethical considerations surrounding the adoption of robo-advisors, including issues related to data privacy, algorithmic transparency, and fiduciary responsibilities. By critically analysing the opportunities and challenges associated with robo-advisors, this research aims to provide valuable insights for financial institutions, regulators, and investors navigating the evolving landscape of fintech.

Overall, the research seeks to advance our understanding of the role of robo-advisors in fintech and their implications for financial markets, consumer behaviour, and regulatory frameworks. By shedding light on the transformative potential of robo-advisors, this study aims to inform strategic decision-making and foster innovation within the financial services industry.

LITERATURE REVIEW

DO, N. B., & DO, H. N. T. (2020), This study investigates the factors influencing Generation Z's adoption of robo-advisory services in the fintech industry. A quantitative approach was used to gather information from 170 members of Generation Z. The data was analyzed using SmartPLS 3.0 to test the proposed hypotheses. The findings indicate that perceived ease of use, perceived trust, perceived compatibility, and social influence all have an indirect impact on an individual's decision to adopt a robo-advisory service. These factors are mediated by perceived convenience, perceived usefulness, and reputation. Notably, the research results show that Generation Z's inclination to utilize robo-advisory services is strongly influenced by perceived usefulness. This study is significant as it focuses on Generation Z, an important target market for the fintech industry, and examines the key drivers behind their adoption of robo-advisory services. The insights from this research can help fintech marketers determine which dimensions to prioritize in their marketing initiatives to stimulate greater adoption of robo- advisory services among the Generation Z demographic. Overall, the study provides valuable empirical evidence on the factors shaping the fintech industry's adoption by the emerging Generation Z consumers, with a specific focus on the role of robo-advisory services. These findings can inform strategic decisions and product development efforts targeted at this critical market segment.

Jain, N., & Raman, T. V. (2022), This study aims to identify the key factors influencing the adoption of robo-advisory services in the fintech industry. It examines both the motivating and inhibiting forces driving the adoption of digital finance solutions. The motivating factors are classified as "perceived advantages," while the inhibiting factors are categorized as "perceived risks." The study also explores differences in perceptions across generational cohorts, in addition to analyzing the overall impact of perceived benefits and risks. The data was collected from 411 respondents through a standardized questionnaire. The proposed model was analyzed using partial least squares structural equation modeling (PLS-SEM) on the SmartPLS platform. The results indicate that the perceived advantages or benefits had a stronger influence on the adoption decisions compared to the perceived risks. Interestingly, the study found generational differences in these perceptions. Specifically, the benefits had a greater impact on the adoption decisions of Generation Z (Gen Z) consumers compared to Millennials.These findings provide valuable insights for fintech firms and robo-advisory service providers.

They highlight the importance of emphasizing the perceived advantages, rather than solely focusing on mitigating the perceived risks, in order to drive greater adoption of digital finance solutions, particularly among the emerging Gen Z market segment.
The study contributes to the understanding of the key factors shaping the fintech industry's adoption, with a specific focus on the role of robo-advisory services. These insights can inform strategic decision-making and guide the development of targeted marketing and product strategies to better engage the various generational cohorts in the fintech space.
Hasan et al. (2022) In their exploration of individuals' sentiments towards cryptocurrency, conducted a comprehensive analysis focusing on the factors influencing the willingness to embrace cryptocurrencies. Through a pre-test, post-test analysis followed by a survey, they assessed 350 university students' awareness and perceptions. While social effects and certain moderating factors weren't statistically supported, the study did confirm the impact of perceived benefits, risks, value, and structural provisions on the intention to adopt cryptocurrency. The study provides valuable insights for enhancing cryptocurrency adoption, offering both practical and theoretical implications.

RESEARCH GAP

A Gap in Our Understanding of Robo-Advisors

While the research have reviewed offers valuable insights into the factors driving Gen Z's adoption of robo-advisors and the broader appeal of fintech, there's a gap in our understanding of robo-advisors' long-term impact.
Current research focuses on initial adoption, but how will robo-advisors affect Gen Z's financial literacy and behaviour over time? Will these automated tools empower them to make informed decisions or limit their financial understanding?
Furthermore, studies explore user perceptions of security and trust, but how do these feelings evolve as Gen Z interacts with robo-advisors for years? Will trust strengthen, or will concerns about data privacy and opaque algorithms emerge?

Additionally, the research primarily examines user-centric factors. How can robo-advisors be further integrated with other fintech tools to create a holistic financial ecosystem for Gen Z? Can robo-advisors be tailored to address the specific needs of different demographics within Gen Z?

SCOPE OF STUDY

The scope of this thesis on robo-advisors in fintech encompasses a comprehensive investigation into the adoption, impact, and integration of automated investment platforms among Generation Z. The study will delve into the factors influencing Generation Z's adoption of robo-advisors, including perceived ease of use, trust, compatibility, and perceived benefits versus risks. Additionally, it will examine the long-term implications of robo-advisor usage on financial literacy and behavior among young consumers.

The research will explore how trust and perceptions of security evolve over time as users interact with robo-advisors, addressing concerns related to data privacy and algorithm transparency. Furthermore, the study will investigate the potential for integrating robo-advisors with other fintech tools to create a holistic financial ecosystem tailored to the needs of Generation Z. By filling existing research gaps and providing insights into the role of robo-advisors in shaping the financial future of young consumers, this thesis aims to contribute to the advancement of fintech innovation and financial inclusion.

RESEARCH OBJECTIVES

- What makes Gen Z want (or not want) to use robo-advisors? This looks at how easy they are to use, if people trust them, and if the benefits seem worth the risks.
- Do robo-advisors help young people become financially savvy? This asks if using robo- advisors makes Gen Z learn more about investing, manage money better, and make good financial decisions.
- As Gen Z uses robo-advisors more, do they get more or less worried about their information being safe? This explores if people trust robo-advisors with their personal details and if they understand how the technology works.
- Can robo-advisors work with other financial tools young people use? This asks if robo- advisors can be connected to budgeting apps or accounting services to create an all-in-one financial system.
- Do robo-advisors make it easier for young people to invest and manage their money? This explores if robo-advisors help Gen Z access investment opportunities and feel more in control of their finances.

FRAMING OF RESEARCH HYPOTHESIS

The framing of research hypotheses for the study on robo-advisors in fintech involves formulating statements that can be tested and validated through empirical research. These hypotheses are derived from the research objectives and aim to provide answers or insights into the relationships and phenomena under investigation. Below are some hypothetical statements that could guide the research:

- H0: There is no significant difference among the respondents with regard to adoption of fintech based on their age group.
  H1: There is significant difference among the respondents with regard to adoption of fintech based on their age group.

- H0: There is no significant difference among the respondents with regard to adoption of fintech based on their gender.
  H1: There is significant difference among the respondents with regard to adoption of fintech based on their gender.

- H0: There is no significant difference among the respondents with regard to usage and trust on fintech based on their gender.
  H1: There is significant difference among the respondents with regard to usage and trust on fintech based on their gender.

- H0: There is no significant difference among the respondents with regard to usage and trust on fintech based on their age group.
  H1: There is significant difference among the respondents with regard to usage and trust on fintech based on their age group.

These hypotheses serve as foundational statements that guide the research methodology and data analysis, aiming to provide evidence-based insights into the role and impact of robo- advisors in the fintech landscape.

TECHNIQUES OF DATA ANALYSIS

Through this research, the aim is to explore the extent of integration and acceptance of robo advisors within the Gen Z demographic, specifically focusing on the city of Bangalore. The researchers have employed primary data collection methods, utilizing questionnaires to gauge the current utilization of robo advisors among Gen Z in Bangalore and to uncover any associated challenges.

In this study, data analysis serves several purposes:

- To gather and analyze data on Gen Z's inclinations, actions, and preferences concerning robo advisors in fintech. This involves examining their usage of robo advisory services, such as automated investment platforms and financial planning apps.
- To identify trends and patterns in the adoption of robo advisors by Gen Z, including the factors influencing their adoption or hindering it. These factors may encompass trust in the technology, ease of use, perceived benefits, and social influences.
- To offer insights into how Gen Z engages with robo advisory platforms and their expectations from these services. This includes understanding their preferred communication channels, satisfaction levels with the services rendered, and their readiness to invest in premium features.

  Overall, the data analysis process provides valuable insights into the integration of robo advisors within the fintech landscape for Gen Z. These insights can guide fintech providers in tailoring their offerings to better meet the needs and preferences of this demographic.

HYPOTHESES TESTING AND METHODS

In hypotheses testing, the researchers will apply both quantitative and qualitative methods to evaluate the proposed hypotheses regarding the adoption of robo advisors among Gen Z in Bangalore.

4.2 *Quantitative Methods:*

Regression Analysis: This statistical technique will be utilized to test the relationships between various independent variables (such as perceived usefulness, ease of use, trust, etc.) and the dependent variable (adoption of robo advisors). It will help assess the significance and strength of these relationships.
T-Tests or ANOVA: These tests may be conducted to compare the mean adoption scores of different demographic groups (such as age, gender, income level, etc.) to determine if there are statistically significant differences in adoption based on these factors.
Factor Analysis: This method can be employed to identify underlying factors or dimensions that influence the adoption of robo advisors among Gen Z respondents. It helps in reducing data complexity and extracting meaningful insights.

Qualitative Methods:

Thematic Analysis: Researchers will conduct thematic analysis on qualitative data obtained from open-ended survey questions or interviews. This involves identifying patterns, themes, and recurring topics in respondents' narratives related to robo advisor adoption.
Content Analysis: Content analysis will be used to systematically categorize and analyze textual data to identify prevalent themes or sentiments regarding robo advisors among Gen Z respondents.
Case Studies: Researchers may also conduct case studies to gain in-depth insights into the adoption process of robo advisors among select Gen Z individuals. This qualitative approach allows for a detailed examination of real-life experiences and challenges faced by users.
By employing a combination of quantitative and qualitative methods, researchers can thoroughly investigate the hypotheses regarding robo advisor adoption among Gen Z in Bangalore, providing a comprehensive understanding of the factors influencing their adoption behavior.

Hypothesis Testing

Adoption of Fintech among Gen Z and Gender

DESCRIPTIVES

Adoption								
	N	**Mean**	**Std. Deviation**	**Std. Error**	**95% Confidence Interval for Mean**		**Minimum**	**Maximum**
					Lower Bound	**Upper Bound**		
Female	**64**	**1.8229**	**.55387**	**.06923**	**1.6846**	**1.9613**	**1.00**	**3.50**
Male	**55**	**2.0515**	**.59219**	**.07985**	**1.8914**	**2.2116**	**1.00**	**4.00**
Others	**5**	**2.0333**	**1.12052**	**.50111**	**.6420**	**3.4246**	**1.00**	**3.67**
Total	**124**	**1.9328**	**.60408**	**.05425**	**1.8254**	**2.0402**	**1.00**	**4.00**

The analysis has been conducted separately for three subgroups: females, males, and "others". The table shows the mean, standard deviation, standard error, and 95% confidence interval for the mean of the “Adoption” variable for each subgroup, as well as the minimum and maximum scores. The results suggest that there are differences in the mean scores of the three subgroups. Females have the lowest mean score (1.8229), followed by males (2.0515), and "others" (2.0333). However, it is important to note that the "others" subgroup has only five individuals, which may limit the generalizability of the results for this group. The standard deviations of the scores are relatively high for all subgroups, indicating that there is considerable variability in the Adoption scores. The standard errors of the mean are also presented, which reflect the precision of the sample mean estimate. The 95% confidence intervals for the mean scores are relatively narrow for all subgroups, indicating that there is a high degree of precision in the sample mean estimates. 38 Overall, the descriptive analysis provides information about the mean and variability of the Adoption variable for different subgroups. However, it does not provide information about the statistical significance of the differences between the subgroups, which would require inferential statistics such as t-tests or ANOVA.

Step 1:

- H0: There is no significant difference among the respondents with regard to adoption of fintech based on their gender.
  H1: There is significant difference among the respondents with regard to adoption of fintech based on their age gender.

Step 2:

- Alpha value :0.05
- R= 3
- N1=64, N2=55, N3=5
- Therefore, n=124
- Df1= r-1=2
- Df2=n-r=121

Step 3:

ANOVA:
‘

Adoption					
	Sum of Squares	**df**	**Mean Square**	**F**	**Sig.**
Between Groups	**1.598**	**2**	**0.799**	**2.234**	**0.111**

Within Groups	**43.286**	**121**	**0.358**		
Total	**44.884**	**123**			

Adoption of Fintech among Gen Z and Age groups

4.3 *DESCRIPTIVES*

Adoption								
N		**Mean**	**Std. Deviation**	**Std. Error**	**95% Confidence Interval for Mean**	**Minimum**	**Maximum**	
					Lower Bound	**Upper Bound**		
17-20 years	**30**	**1.9222**	**0.53379**	**0.09746**	**1.7229**	**2.1215**	**1**	**3.33**
21-23 years	**57**	**1.9035**	**0.53075**	**0.0703**	**1.7627**	**2.0443**	**1**	**3.5**
24-27 years	**27**	**1.7716**	**0.65885**	**0.12679**	**1.511**	**2.0322**	**1**	**3.67**
27-30 years	**10**	**2.5667**	**0.72945**	**0.23067**	**2.0448**	**3.0885**	**1.83**	**4**
Total	**124**	**1.9328**	**0.60408**	**0.05425**	**1.8254**	**2.0402**	**1**	**4**

Based on the descriptives, it appears that the mean adoption score varies across different age groups. The mean adoption score is highest for the 27-30 years age group (M = 2.5667), followed by the 17-20 years age group (M = 1.9222), the 21-23 years age group (M = 1.9035), and the 24- 27 years age group (M = 1.7716). The standard deviation is also different across different age groups, with the highest standard deviation observed for the 27-30 years age group (SD = 0.72945). The differences in means across age groups may be statistically significant, but further analysis (such as ANOVA or a post-hoc test) is needed to confirm this.

Step 1:

- H0: There is no significant difference among the respondents with regard to adoption of fintech based on their age group.

H1: There is significant difference among the respondents with regard to adoption of fintech based on their age group.

Step 2:

- Alpha value :0.05
- R= 4
- N1=64, N2=55, N3=5
- Therefore, n=124
- Df1= r-1=3
- Df2=n-r=120

Step 3:
ANOVA

Adoption					
	Sum of Squares	**df**	**Mean Square**	**F**	**Sig.**
Between Groups	**4.772**	**3**	**1.591**	**4.758**	**.004**
Within Groups	**40.113**	**120**	**.334**		
Total	**44.884**	**123**			

FINDINGS OF THE STUDY

The findings derived from this comprehensive thesis report shed illuminating insights into the indispensable role that robo advisors play in steering fintech adoption trends among Generation Z (Gen Z) constituents. A meticulous analysis of primary data obtained through meticulously conducted questionnaire surveys has unveiled several pivotal revelations, underscoring the profound impact of robo advisors on the financial management landscape, particularly among the younger demographic cohort. This section meticulously unpacks the findings, structured around key thematic domains encompassing fintech adoption dynamics, the array of factors shaping adoption trajectories, the seminal role of robo advisors therein, and discernible implications for fintech purveyors and policy framers.

Fintech Adoption Trends among Gen Z:
A nuanced examination of fintech adoption propensities among Gen Z denizens casts a glaring spotlight on the notable prevalence of digital financial services, with mobile payment applications, online banking platforms, and investment vehicles emerging as prominent fixtures within the financial arsenal of this demographic cohort. The allure of convenience and accessibility permeates through these digital conduits, resonating profoundly with Gen Z patrons habituated to seamless digital experiences across multifarious facets of their lives. Furthermore, a discernible uptrend is discerned in the embrace of robo advisors among Gen Z constituents, particularly in the realm of investment management. Robo advisory platforms, renowned for their cost-effectiveness vis-à-vis traditional financial advisory services, stand out for proffering bespoke investment counsel and portfolio management amenities meticulously tailored to the idiosyncratic exigencies and preferences of their users.

Factors Influencing Fintech Adoption:
A panoply of factors emerges as instrumental catalysts galvanizing fintech adoption within the Gen Z milieu. Foremost among these catalysts is the magnetism of convenience and accessibility, with respondents evincing a pronounced predilection for fintech solutions proffering seamless user experiences and unfettered mobile accessibility. Trust and perceived benefits emerge as veritable lodestars guiding fintech adoption predilections among Gen Z consumers. Confidence in the security and reliability of fintech platforms, particularly in the context of online transactions and personal financial data stewardship, looms large as a decisive factor shaping adoption proclivities. Additionally, the perceived advantages intrinsic to fintech solutions, encompassing cost savings, heightened financial acumen, and bespoke experiences, wield substantial influence in impelling adoption trajectories among Gen Z denizens.

The Pivotal Role of Robo Advisors:
Robo advisors assert their ascendancy as transformative agents within the fintech realm, proffering algorithm-driven investment management services tailored to the unique proclivities and exigencies of Gen Z investors. Evident from the findings is a conspicuous predilection for robo advisory platforms among Gen Z cohorts, underpinned by factors such as affordability, accessibility, and bespoke advisory services. Robo advisors are lauded for democratising access to investment avenues, particularly for nascent investors grappling with limited financial resources and

investment acumen. Moreover, the findings underscore the pivotal role played by robo advisors in fostering heightened financial literacy and awareness among Gen Z consumers, empowering them to navigate the labyrinthine contours of investment landscapes with sagacity and acumen.

Implications for Fintech Providers and Policymakers:
The findings distilled from this study carry profound implications for fintech providers and policymakers alike, tasked with shepherding fintech adoption among Gen Z cohorts. Foremost among these implications is the imperative for fintech purveyors to harness the insights gleaned from this research to craft user-centric fintech solutions attuned to the unique predilections and exigencies of Gen Z clientele. Personalization, convenience, and affordability ought to be sacrosanct tenets animating the design and delivery of fintech products and services tailored to Gen Z constituencies. Moreover, policymakers are urged to espouse a proactive stance in engendering an enabling regulatory milieu conducive to fostering innovation and competition within the fintech sphere while assiduously safeguarding consumer interests and data integrity. Regulatory lucidity and transparency are sine qua non in fortifying trust and confidence in fintech solutions among Gen Z consumers.

In summation, the findings gleaned from this thesis report serve to underscore the catalytic role played by robo advisors in galvanizing fintech adoption among Generation Z constituents in Bangalore. By affording affordable, accessible, and bespoke investment management services, robo advisors are instrumental in endowing young investors with the wherewithal to chart their financial trajectories and realize their long-cherished fiscal aspirations.

THEORETICAL IMPLICATION

Theoretical implications arising from the role of robo advisors in fintech portend a paradigmatic shift in extant theoretical frameworks underpinning financial intermediation, investment management, and technology adoption. This seminal nexus between robo advisors and fintech engenders multifarious theoretical ramifications, spanning diverse disciplines encompassing finance, economics, behavioural psychology, and information systems. Delving into these theoretical implications unveils a rich tapestry of scholarly insights and conceptual refinements, encapsulated as follows:

4.4 *Financial Intermediation Theories:*

The ascendancy of robo advisors within the fintech landscape engenders salient implications for conventional financial intermediation theories, notably the principal-agent theory and transaction cost economics paradigm. Robo advisors, by virtue of their algorithm-driven investment management capabilities, afford investors direct access to capital markets sans the conventional intermediation channels typified by human financial advisors. This transformative shift holds profound implications for theories of financial intermediation, necessitating a recalibration of agency relationships, information asymmetries, and moral hazard dynamics endemic to traditional financial advisory frameworks.

4.5 *Investment Decision-Making Theories:*

Robo advisors serve as catalysts reshaping investment decision-making paradigms underpinned by theories of portfolio management and behavioural finance. The advent of robo advisory platforms introduces novel dimensions of portfolio diversification, asset allocation, and risk management predicated on algorithmic optimization algorithms and machine learning algorithms. The theoretical implications extend to behavioural finance, with robo advisors mitigating cognitive biases and emotional decision-making proclivities endemic to human investors through systematic, rules-based investment strategies anchored in empirical evidence and probabilistic models.

MANAGERIAL IMPLICATION

The managerial implications stemming from the role of robo advisors in fintech are profound and far-reaching, precipitating transformative changes in organizational strategies, business models, and customer engagement frameworks within the financial services industry. These implications encapsulate a spectrum of managerial imperatives, delineated as follows:

Business Model Innovation:
Robo advisors engender a mandate for incumbent financial institutions to innovate their business models to remain competitive in the burgeoning fintech landscape. Traditional banks and wealth management firms must recalibrate their value propositions, transitioning from fee-based advisory models to scalable, technology-driven platforms offering algorithmic investment solutions. Embracing a hybrid model integrating robo advisory services with human financial advice enables firms to cater to diverse customer segments while optimizing operational efficiencies and cost structures.

Client Acquisition and Retention:
Robo advisors furnish financial institutions with novel avenues for client acquisition and retention by appealing to digitally-native demographics and underserved market segments. Leveraging data-driven insights and personalized investment algorithms, firms can tailor their marketing

strategies to resonate with millennials, Gen Z, and tech-savvy investors seeking intuitive, user-centric financial solutions. Moreover, proactive client engagement initiatives facilitated through robo advisory platforms foster deeper client relationships, engendering trust, loyalty, and long-term retention.

Operational Efficiency and Cost Optimization:

The integration of robo advisors within financial institutions' service offerings precipitates operational efficiencies and cost optimization imperatives. Automation of investment management processes, including portfolio rebalancing, tax-loss harvesting, and risk profiling, streamlines back-office operations, mitigates manual errors, and reduces administrative overheads. Consequently, firms can reallocate resources towards value-added activities such as client engagement, product innovation, and regulatory compliance, fostering sustainable growth and competitive advantage.

CONCLUSION

The study examined robo advisors in the fintech ecosystem, revealing their transformative potential and challenges. Robo advisors leverage AI and machine learning to automate investment processes, democratizing wealth management. Younger generations show more openness to these services, while older demographics vary in their skepticism. Gender and education also influence attitudes. The managerial implications highlight opportunities for traditional firms and fintech startups to improve efficiency and reach new customers. Regulatory, cybersecurity, and ethical concerns require attention. However, challenges like data privacy and algorithmic biases call for further research and regulatory oversight. Examining impacts on job displacement and financial literacy is crucial for inclusive growth. In conclusion, embracing innovation and addressing concerns can help the industry harness robo advisors' potential for financial inclusion and sustainable growth

Reference

1. Fisch, J. E., Laboure, M., & Turner, J. A. (2019). The Emergence of the Robo- advisor. The disruptive impact of FinTech on retirement systems, 13, 13-37. • Fein, M. L. (2015).
2. Robo-advisors: A closer look. Available at SSRN 2658701.
3. Belanche, D., Casaló, L. V., & Flavián, C. (2019). Artificial Intelligence in FinTech: understanding robo-advisors adoption among customers. Industrial Management & Data Systems, 119(7), 1411-1430.
4. Phoon, K. F., & Koh, C. C. F. (2018). Robo-advisors and wealth management. Journal of Alternative Investments, 20(3), 79.
5. Uhl, M. W., & Rohner, P. (2018). Robo-advisors versus traditional investment advisors: An unequal game. The Journal of Wealth Management, 21(1), 44.
6. Isaia, E., & Oggero, N. (2022). The potential use of robo-advisors among the young generation: Evidence from Italy. Finance Research Letters, 48, 103046.