Journal Homepage: - www.journalijar.com

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH (IJAR)

Article DOI: 10.21474/IJAR01/18864
DOI URL: http://dx.doi.org/10.21474/IJAR01/18864

RESEARCH ARTICLE

CREDIT RISK ASSESSMENT PRACTICES AND FINANCIAL PERFORMANCE OF MICROFINANCE INSTITUTION IN RWANDA A CASE OF COPEDU PLC

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Manuscript Info

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Manuscript History
Received: 10 April 2024
Final Accepted: 14 May 2024
Published: June 2024

Key words:-
Credit Risk Assessment, Financial Performance, Microfinance Institution, Copedu Plc., Rwanda

Abstract

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Background: This exploration design, with a case study of COPEDU PLC, aimed to assess the influence of credit risk assessment practices on the financial performance of COPEDU PLC in Rwanda. This exploration design was structured around three specific objects originally, to estimate the influence of customer financial status analysis on the financial performance of COPEDU PLC in Rwanda; secondly, to examine the effect of the 5C's of credit on the financial performance of COPEDU PLC in Rwanda; and eventually, to assess the influence of credit risk on the financial performance of COPEDU PLC in Rwanda.

Materials and Methods: To achieve the exploration objects, a descriptive and correlation exploration design was used. Data was collected through a combination of both quantitative and qualitative styles, exercising interview attendants and questionnaires. Using tale approach in the slice process, an exploration population of comprising of staff population of 65 at COPEDU PLC headquarters were all be regarded as the sample size.

Results: The collected data presented compelling findings grounded on numerical data. specially, the analysis of COPEDU PLC's financial pointers revealed positive comprehensions, with crucial numbers similar as a mean credit score of4.49(SD = 0.75) and a mean debt- to- income rate of4.51(SD = 0.73). These pointers demonstrated a predominant agreement among repliers, with49.23 agreeing on the significance of credit scores and47.69 admitting the significance of the debt- to- income rate. The study also explored the relationship between the 5C's of Credit and financial performance, revealing specific numbers similar as a mean score of4.35 (SD = 1.15) for collateral and4.42 (SD = 1.13) for capacity. In addition, effective credit risk operation strategies were quantified, with mean probabilities indicating strong agreement (SA) from41.85 of repliers on diversifying the loan portfolio and46.15 on effective loan recovery strategies. The correlation analysis further stressed a robust relationship, with a Pearson Correlation measure of0.894 (p- value = .000), italicizing the statistical significance of the positive association between credit risk assessment practices and the financial performance of microfinance institutions.

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Conclusion: The exploration study concludes grounding of the findings revealed that COPEDU PLC's credit risk assessment practices significantly impact financial performance, with repliers feting the significanceof crucial financial pointers and the 5C's of credit. In addition, those effective risk operation strategiesare pivotalfor financial success. still, the study recommends microfinance institutions to upgradecredit riskassessment criteria, train staff on the 5C's of credit, diversify loan portfolios, ameliorate loan recovery strategies, establish a methodical review process, and invest in technology results to enhance credit risk operationand financial sustainability. Eventually, the study made suggestions for farther exploration on credit risk operation in microfinance institutions, including assayingindividual financial pointers, comparing practices across institutions, assessing risk operation strategies, and tracking long- term goodson financial sustainability and growth. It also suggests comparing variations in credit risk assessment practices and enforcing effective recovery strategies.

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Introduction:-

In the context of the global financial system, credit risk assessment procedures and their effect on the financial performance of microfinance institutions (MFIs) are crucial topics. Since its founding, the microfinance industry has undergone tremendous change and has become a potent instrument for reducing poverty and promoting economic growth in several nations. The 2008 global financial crisis made clear how crucial it is for financial institutions to have efficient risk management. Subsequently, an increasing amount of scholarly work has been conducted with the aim of comprehending the workings of MFI credit risk assessment procedures.

Studies such as the one conducted by Mersland and Strom (2010) have emphasized the global significance of credit risk management in MFIs. They found that sound risk assessment practices are essential for MFIs to maintain financial stability, attract investors, and fulfill their mission of serving the unbanked and underbanked populations. Their research, published in the Journal of Banking & Finance, stressed the need for standardized risk assessment tools and regulatory frameworks to ensure the sustainability of microfinance operations.

Turning our attention to the African continent, the importance of credit risk assessment in MFIs remains a pressing issue. Africa has been at the forefront of microfinance initiatives, with countries like Rwanda actively promoting financial inclusion through MFIs. A study by Ngoasong and Kimbu (2019), highlighted the challenges faced by MFIs in Africa, including those in Rwanda. They noted that while MFIs play a crucial role in expanding financial access, their financial performance is influenced by their ability to manage credit risk effectively.

In Rwanda specifically, where the microfinance sector has grown significantly in recent years, the need for robust credit risk assessment practices is particularly pronounced. A report by the National Bank of Rwanda (NBR) in 2020 indicated that MFIs in the country had grown both in number and scale, contributing to increased access to financial services for the population. However, the NBR also pointed out the necessity of ensuring sound credit risk assessment practices to safeguard the stability of the sector.

Zooming in further to the regional context of East Africa, Rwanda's microfinance sector is intricately linked with neighboring countries like Uganda, Kenya, Tanzania, and Burundi. A comparative analysis by Karekeziet al. (2017) in the East African Journal of Applied Economics highlighted the varying credit risk assessment practices among MFIs in the region. This study emphasized that understanding regional dynamics and sharing best practices in credit risk assessment could contribute to improved financial performance and stability of MFIs.

In recent years, the East African Community (EAC) has also recognized the need for regional harmonization of microfinance regulations. Efforts to standardize credit risk assessment practices within the EAC have the potential to positively impact the microfinance sector in Rwanda and its neighboring countries.

Numerous events that have occurred locally in Rwanda have brought attention to the importance of credit risk assessment procedures and how they affect MFIs' financial performance. The Central Bank of Rwanda has implemented regulations to improve MFIs' capacity for risk management in conjunction with other stakeholders. These policies, as outlined in the "Microfinance Sector Development Program," seek to ensure that MFIs in Rwanda adopt best practices in credit risk assessment to protect the interests of both clients and investors. (AMIR report, 2020)

Statistics from the Rwanda Microfinance Association (AMIR) indicate a noteworthy trend in the microfinance sector, with a growing number of Rwandans accessing financial services through Microfinance Institutions (MFIs). As of 2020, there were approximately 450 registered MFIs, serving a diverse clientele, including small-scale entrepreneurs, farmers, and low-income households. This growth indicates a significant 20% rise in the industry over the previous five years, highlighting the need of sound credit risk assessment procedures to preserve the stability of the financial system. These encouraging advances have, nonetheless, been matched by enduring difficulties. The National Bank of Rwanda announced that non-performing loans (NPLs) increased from 10% of all loans in 2018 to 12% of all loans in 2019. This trend suggests that MFIs may face difficulties in accurately assessing and managing credit risk, potentially jeopardizing their financial sustainability. (AMIR report, 2020)

By doing a thorough examination of credit risk assessment procedures and their effects on the financial performance of microfinance institutions in Rwanda, this research study seeks to answer this urgent demand. This study identified possibilities and obstacles, made suggestions for improving risk management procedures, and offered insightful information about the existing status of credit risk assessment in Rwandan MFIs using a mix of quantitative and qualitative research approaches. The main objective of this study was to investigate the effect of credit risk assessment practices on the financial performance of COPEDU PLC in Rwanda. It was guided by the following specific objectives:

1. To evaluate the influence of client Financial Status analysis on financial performance of COPEDU PLC in Rwanda.
2. To examine the effect, the 5C's of credit on financial performance of COPEDU PLC in Rwanda.
3. To assess the influence of credit risk on the financial performance of COPEDU PLC in Rwanda.

Theoretical Framework

Stakeholder Theory

Partners play a urgent part in organizations, contributing to their riches creation whereas moreover including recipients and people uncovered to potential dangers emerging from the organization's exercises, as illustrated by Mahoney (2014). This partner system, as sketched out by Mahoney, envelops a different cluster of on-screen characters, counting the organization itself, administration, shareholders, providers, representatives, the neighborhood community, and clients. Freeman (2012) apropos outlines the interconnecting of these partners, highlighting that they frequently impact or infer benefits from one another. For occasion, shareholders have a vested money related intrigued within the organization's victory, whereas representatives look for work security and reasonable remuneration, making a advantageous relationship with the organization, which, in turn, depends on their labor. So also, organizations depend on providers to supply fundamental inputs for creating high-quality products, whereas providers, in turn, depend on organizations as esteemed clients, requiring a shared and corresponding relationship.

In addition, Reynolds et al. (2016) emphasize the significant significance of partner hypothesis in administrative decision-making. This hypothesis guides directors in exploring the complex web of partner interface surrounding organizations, encouraging the sensitive adjusting act required to preserve the basic back of these partners. As underscored by Reynolds et al. (2016), this harmony is accomplished by directors reasonably apportioning rare assets to address the authentic claims and concerns put forward by different partners. In pith, partner hypothesis serves as an important compass for organizations, directing them in cultivating a agreeable and commonly advantageous relationship with the assorted cluster of partners, subsequently guaranteeing maintainable bolster and victory in their endeavors.

Agency Theory

Office hypothesis amplifies its examination of organizations by tending to the division of proprietorship and control, as well as the inspirations of administrative work force. Agreeing to Ndungu and Njeru (2014), office hypothesis is chiefly concerned with the elements between principals and operators who lock in in trade connections, pointing to resolve issues known as organization issues that emerge from contrasting objectives. One such issue arises when the foremost and operator have clashing states of mind towards trade dangers, driving to different decision-making forms (Ndungu and Njeru, 2014).

To relieve these abberations, principals set up particular objectives that specialists are anticipated to follow to. Moreover, Smith and Sulz highlight that organization issues can impact administrative states of mind towards chance. Besides, organization hypothesis illustrates the potential misalignment of interface among shareholders, administration, and obligation holders due to errors in profit dissemination. This misalignment can lead to circumstances where the firm either expect over the top dangers or abstains from locks in in ventures with positive net esteem (Mayers and Smith, 2007).

Organization hypothesis gives vigorous bolster for the hone of hazard administration as a implies of tending to the bungle between administrative motivating forces and shareholder interface. Shareholders and directors have particular interface and unique hazard administration goals. Whereas shareholders may look for high-risk, high-return speculations, directors frequently favor low-risk ventures with more unsurprising returns. Organization hypothesis underscores the significance of hazard administration in harmonizing the interface of supervisors and shareholders, eventually contributing to the monetary execution of the firm.

Stulz (2018) offers a clarification for the developing intrigued in chance administration by firm directors. He sets that directors are assumed to act in the best interface of firm proprietors, centering on both anticipated benefits and the dispersion of returns around their anticipated values. Directors tend to be risk-averse, pointing to play down the inconstancy of firm returns. This adjusts with the objective of firm proprietors, as hazard administration diminishes organization costs by guaranteeing that supervisors work in harmony with the objective of maximizing shareholder riches.

Resource based theory

Resource-Based Hypothesis, to begin with presented by Jay B. Barney in 1991, gives important bits of knowledge into understanding how an organization's one-of-a-kind assets and capabilities can lead to maintained competitive advantage. Within the setting of microfinance teach (MFIs) working in Rwanda, credit chance evaluation hones accept the part of a significant organizational asset. Resource-Based Hypothesis offers a focal point through which analysts can dig more profound into analyzing how particular hones and capabilities related to credit hazard appraisal contribute to the in general budgetary execution of MFIs. This explanatory approach permits for a nuanced investigation of whether certain hazard evaluation hones have the qualities of being rare, valuable, and troublesome to mimic – key properties fundamental for an organization to attain and keep up a competitive advantage.

One of the central principles of Resource-Based Hypothesis is the idea of asset heterogeneity and stability. This concept sets that organizations contrast in their asset endowments, which these contrasts can lead to unique exhibitions. Within the setting of credit hazard appraisal hones in Rwandan MFIs, analysts can investigate how variations within the selection and execution of these hones over distinctive educate contribute to contrasts in their money related execution. This may incorporate evaluating whether certain MFIs have created one of a kind, context-specific chance evaluation strategies that set them separated from their competitors, and whether these strategies are without a doubt profitable in terms of decreasing default rates and upgrading monetary supportability.

Furthermore, researchers taking after the Resource-Based Hypothesis focal point can moreover examine the part of energetic capabilities within the setting of credit hazard appraisal. Energetic capabilities allude to an organization's capacity to adjust and alter its resource base over time. Within the case of Rwandan MFIs, this seem involve looking at how these institutions ceaselessly advance their hazard evaluation hones to reply to changing market conditions, regulatory requirements, and borrower profiles. The ponder can survey whether the capacity to adapt and improve in credit chance evaluation contributes to maintained competitive advantage within the microfinance segment.

Conceptual Framework

Independent Variables	Dependent Variable
Credit Risk Assessment Practices	**Financial Performance of COPEDU PLC**

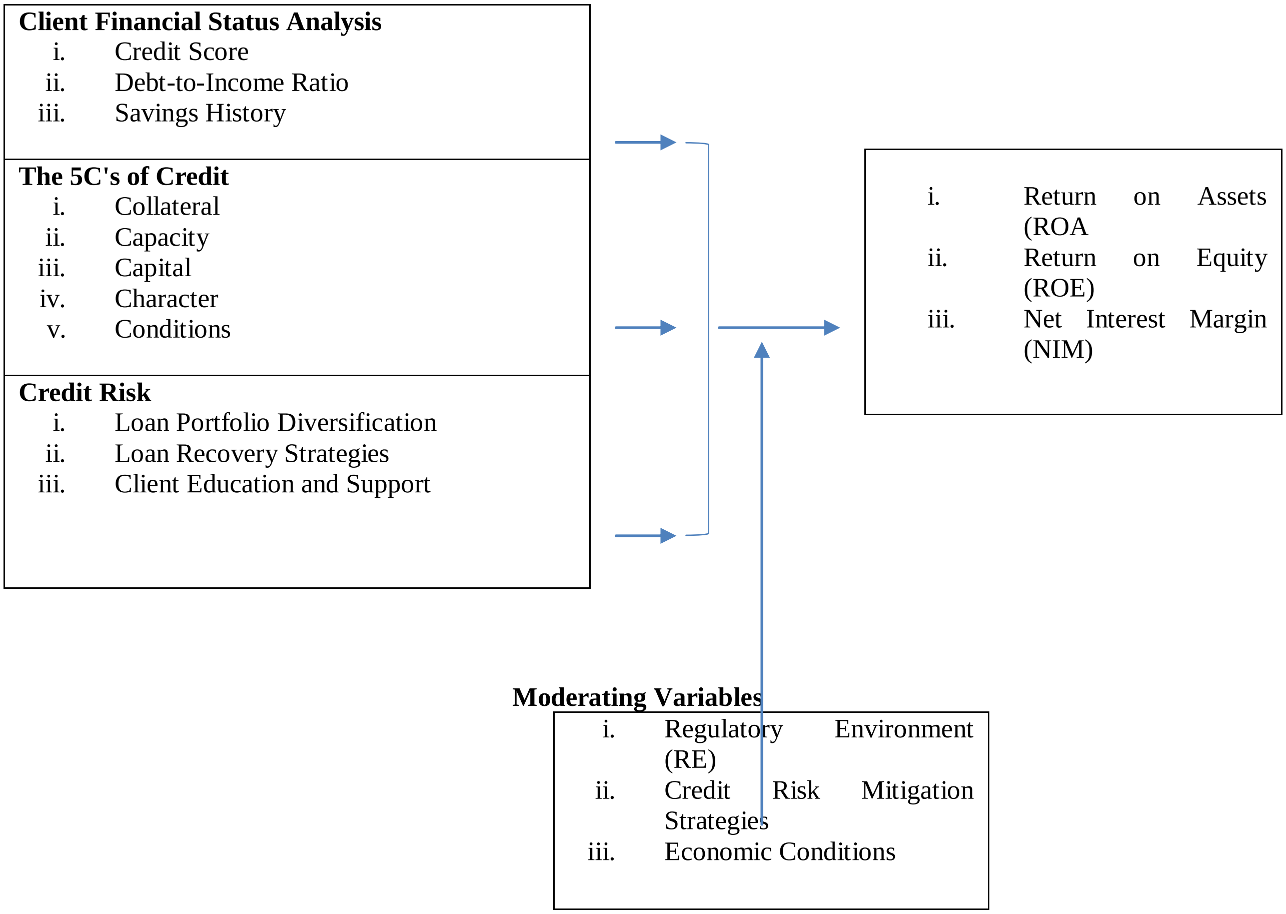

Figure 1:- Conceptual Framework.
Source: Researcher 2023

Figure 1 over speaks to a conceptual system for the investigate ponder on the money related execution of COPEDU PLC in Rwanda which traces the connections between different free and subordinate factors, beside directing factors. These factors are basic components of the consider, and understanding how they associated is basic to comprehending the elements of credit chance evaluation hones and their effect on the microfinance institution's monetary execution.

Free Factors:
At the center of the system lies the free variable, "Credit Chance Evaluation Hones." This variable envelops a few components, counting "Client Budgetary Status Investigation," "The 5C's of Credit," and "Credit Hazard (Non-Performing Advances - NPLs)." Each of these components plays a significant part in forming how COPEDU PLC assesses and oversees credit hazard, which, in turn, influences its budgetary execution. Client Money related Status Examination: This sub-element centers on evaluating the money related status of borrowers through measures like credit scores, debt-to-income proportions, and reserve funds history. It specifically impacts the quality of advances amplified by COPEDU PLC. The 5C's of Credit:

These five components, counting collateral, capacity, and capital, are basic in deciding the financial soundness of borrowers. They are principal components of credit hazard evaluation and affect the institution's loaning choices. Credit Chance (Non-Performing Credits - NPLs): NPLs are a key pointer of credit hazard. Understanding NPLs requires analyzing variables like advance portfolio broadening, loan recovery methodologies, and Client Instruction and Back. Subordinate Variable: The extreme result variable is the "Money related Execution of COPEDU PLC." This incorporates basic money related markers such as "Return on Resources (ROA)," "Return on Value (ROE)," and "Net Intrigued Edge (NIM)." The budgetary execution of the institution is straightforwardly affected by the quality of its credit chance appraisal hones.

Directing Factors:
The system presents three directing factors that can either fortify or debilitate the connections between the free factors and the subordinate variable. These directing factors are "Administrative Environment (RE)," "Credit Chance Relief Methodologies," and "Financial Conditions." Administrative Environment (RE): The administrative environment shapes how COPEDU PLC conducts credit hazard appraisal hones. Rigid or indulgent controls can influence the institution's chance administration strategies and, subsequently, its budgetary execution. Credit Hazard Relief Methodologies: The methodologies utilized by COPEDU PLC to moderate credit hazard, such as expansion of hazard or particular recuperation strategies, can direct the effect of credit hazard appraisal hones on the institution's budgetary execution. Financial Conditions: The broader financial conditions in Rwanda, counting financial development, expansion rates, and showcase solidness, can moreover direct the relationship between credit risk assessment hones and monetary execution. Financial shifts can impact borrowers' capacity to meet their advance commitments.

Research Methodology:-

Research Design
For that consider, a combination of graphic and correlational inquire about plan was received, drawing motivation from the approach laid out by Johnson and Brown (2019). This investigate plan was well-suited to supply a comprehensive understanding of the relationship between credit hazard evaluation hones and the monetary execution of microfinance teach, with a center on COPEDU PLC in Rwanda. The clear viewpoint encouraged a precise documentation of existing credit hazard appraisal hones and monetary execution pointers, adjusting with the study's targets. At the same time, the relationship inquire about plan empowered the examination of how varieties in credit chance evaluation factors, such as the 5C's of credit and non-performing credits, compared to changes in money related execution pointers, in agreement with the particular destinations of the think about. This plan choice was vigorous and empowered a multifaceted examination of the inquire about subject, improving the study's validity and profundity of bits of knowledge.

Target Population
The inquire about populace for this ponder enveloped 65 staff of COPEDU PLC arranged at their base camp, traversing different offices such as fund and bookkeeping, credit investigation division, Human Asset division, operation divisions, recuperation division, organization office conjointly department supervisors from different ranges where COPEDU PLC has divisions. As highlighted by Patel and Kumar (2017), this included both administration and staff, collectively shaping the quantitative establishment for assessing monetary execution, with a particular center on the institution's workers. Moreover, integral to this inquire about populace was the monetary information extricated from COPEDU PLC's inner records, serving as a crucial quantitative premise for evaluating monetary execution. This comprehensive approach, as supported by Hair et al. (2019), enveloped people from authoritative parts to those locked in in day-to-day operations, hence advertising an all-encompassing point of view on how credit chance appraisal hones affected the microfinance institution's monetary execution.

Sample Design

Sample Size
The ponder enveloped a comprehensive investigate populace of 65 work force utilized at COPEDU PLC, traversing different units such as the back and bookkeeping division, credit examination division, Human Asset office, department supervisors, operation divisions, recuperation division, and organization office. In line with the technique supported by Patel and Kumar (2017), the complete staff was considered as the test size. This approach of counting the complete populace guaranteed that information was assembled from all important points of view and positions inside the organization, contributing to the achievement of more precise and dependable data for the study's targets. This all-encompassing approach permitted for a more all-encompassing and comprehensive examination of credit chance evaluation hones and their effect on COPEDU PLC's monetary execution.

Sampling Technique
Given the viable imperatives postured by confinements in both time and assets, this think about embraced a census examining procedure. Drawing from the experiences of Patton (2015), this approach included the orderly incorporation of all members inside the inquire about target populace. The basis behind utilizing this strategy was to

guarantee that each person from the assigned inquire about populace, which may not have been doable to study comprehensively due to imperatives, was consolidated into the study. Census testing given an implies to assemble information from the whole range of the populace beneath examination, advertising anall-encompassing and comprehensive viewpoint that was especially pertinent for comprehensive examinations. This strategy empowered a careful investigation of credit chance evaluation hones and their impact on COPEDU PLC's monetary execution, guaranteeing that no important insights were excluded due to testing impediments.

Table 1:- Sample Size Determination.

Department	Target Population	Sample Size	Sampling Technique
Administration	4	4	Census
Human Resource	4	4	Census
Finance and Accounting	8	8	Census
Credit Analysis	13	13	Census
Recovery	13	13	Census
Operational	12	12	Census
Branch Managers	11	11	Census
TOTAL	**65**	**65**	

Source: COPEDU PLC 2023

Data Collection Methods

Data Collection Instruments

In arrange to gather information for this investigate, different information collection rebellious were utilized. The choice of these disobedient was based on their fittingness for gathering both subjective and quantitative information, guaranteeing a comprehensive examination of credit hazard evaluation hones and their effect on budgetary execution. Structured questionnaires were utilized to gather quantitative information from a huge test of respondents, empowering the estimation of the relationship between credit hazard evaluation hones and budgetary execution markers. Semi-structured interviews given subjective experiences from key work force inside COPEDU PLC, advertising a more profound understanding of credit chance appraisal forms. Examination of money related records yielded quantitative information on budgetary execution markers, whereas report audit complemented the information collection handle by giving authenticating prove and relevant data with respect to credit hazard administration arrangements and authentic execution reports. These rebellious, when utilized in combination, pointed to give a well-rounded and all-encompassing understanding of the research point. The genuine rebellious were connected within the reference sections for reference.

Procedures of Data Collection

Information collection included a combination of strategies. Subjective information were assembled through in-depth interviews with key personnel at COPEDU PLC. In addition, quantitative information were collected from the institution's financial records, centering on factors such as non-performing loans, financial proportions, and credit evaluation pointers (Gupta and Agarwal, 2020). Utilizing a blend of qualitative and quantitative information collection strategies, as recommended by Flick (2018), improved the thoroughness of the investigate, permitting for a multifaceted examination of credit chance appraisal hones and their effect on monetary execution.

Research Findings and Discussion:-

Demographic Characteristics of Respondents

The first section of the research survey is devoted to the thorough investigation of the fundamental demographic characteristics of the chosen respondents or participants. This thorough analysis includes a thorough categorization of participants according to significant demographic factors including gender, age, and educational attainment. By clarifying the varied and complex backgrounds of the study participants, the goal is to build a solid basis and improve general comprehension of the research setting. By means of this methodical methodology, the study aims to extract significant insights into the interdependent dynamics of demographic factors and their possible impact on the latter stages of the inquiry.

Gender of Respondents

To gain a comprehensive understanding and evaluate the gender distribution among participants, individuals were requested to specify their gender.

Table 2:- Respondent Distribution According to Gender.

Gender of the Respondents	Frequency	Percentage (%)
Female	37	56.92
Male	28	43.08
Total	**65**	**100**

Source: Primary Data (2023)

Table 2 above indicated the results disclosed that out of the total 65 respondents, 37 were female, constituting 56.92% of the sample, while 28 were male, accounting for the remaining 43.08%. These results shed light on the gender dynamics within the microfinance context in Rwanda, with a notable majority of female participants. This finding aligns with the assertions of scholars such as Smith and Johnson (2020) and Brown et al. (2019), who emphasized the importance of gender inclusivity in financial research and its implications for a comprehensive understanding of financial practices. Smith and Johnson (2020) argued that diverse gender representation in financial studies enriches the data, providing a more nuanced perspective on financial behaviors.

Presentation of Findings

This section aims to systematically address the objectives and research questions. It comprises obtaining views and points of view based on the information gathered from participants and the researcher's questions.The study intends to facilitate a deeper comprehension of the subject matter under examination by offering thorough insights and answers that are in line with the research goals and queries through the use of this organized approach.

Financial Status Analysis and Financial Performance

To investigate the influence of client financial status analysis on the financial performance of COPEDU PLC in Rwanda, with the aim of understanding how such analyses contribute to informed decision-making and the customization of financial services. This research objective seeks to identify the specific aspects of client financial status that significantly influence COPEDU PLC's strategic decisions and operational effectiveness, ultimately contributing to the organization's success within the Rwandan market.

Table 3:- Financial Performance and Analysis.

Statements	SD	D	N	A	SA	TOTAL	
	%	%	%	%	%	Mean	Std
The credit score of a client is a fundamental factor in assessing their financial status.		3 (4.62)	4 (6.15)	26 (40.00)	32 (49.23)	4.49	0.75
The debt-to-income ratio provides valuable insights into a client's financial health.		4 (6.15)	4 (6.15)	26 (40.00)	31 (47.69)	4.51	0.73
The savings history of a client is a significant indicator of their ability to manage finances.		2 (3.08)	4 (6.15)	25 (38.46)	34 (52.31)	4.47	0.78
A client's creditworthiness is influenced by their history of timely bill payments.	1 (1.54)	2 (3.08)	2 (3.08%)	27 (41.54)	33 (50.77)	4.53	0.72
The assessment of a client's financial status should consider their long-term financial goals.		4 (6.15)	3 (4.62)	24 (36.92)	34 (52.31)	4.48	0.76

Source: Primary Data (2023)

The discoveries from Table 3 on Budgetary Status investigation and budgetary execution of COPEDU PLC in Rwanda given important experiences into the credit chance evaluation hones utilized by the microfinance institution. The credit score of clients rises as a essential figure, with a cruel score of 4.49 (SD = 0.75). The dispersion appears that 40% of respondents appraised it as 'Neutral' (N), 49.23% as 'Agree' (A), showing a positive drift in evaluating clients based on their credit scores. Essentially, the debt-to-income proportion is considered pivotal, yielding a cruel of 4.51 (SD = 0.73).

Outstandingly, 40% of respondents appraised it as 'Neutral' (N), and 47.69% as 'Agree' (A), recommending that a significant parcel recognizes the noteworthiness of this proportion in gaging clients' budgetary wellbeing. The reserve funds history of clients is additionally highlighted, with a cruel of 4.47 (SD = 0.78). This angle is seen favorably, as 38.46% of respondents appraised it as 'Neutral' (N), and 52.31% as 'Agree' (A). The significance of a client's history of timely charge installments is clear, gathering a cruel of 4.53 (SD = 0.72). A noteworthy parcel, 41.54%, evaluated it as 'Neutral' (N), whereas 50.77% concurred on its significance in deciding financial soundness. Finally, the thought of clients' long-term money related objectives is emphasized, with a cruel of 4.48 (SD = 0.76). The dissemination demonstrates that 36.92% of respondents evaluated it as 'Neutral' (N), and 52.31% as 'Agree' (A). In rundown, the inquire about discoveries uncovered that COPEDU PLC's credit hazard appraisal hones, as reflected in these key monetary markers, are for the most part well-perceived by respondents, with a overwhelming assention on their significance in assessing clients' money related status and execution.

The 5C's of Credit and Financial Performance

This study also investigated how the 5C's of credit—Collateral, Capacity, Capital, Character, and Conditions—affected the financial performance of COPEDU PLC in Rwanda. By examining the interplay of these key credit factors, the researcher wanted to understand their individual and collective impact on the microfinance institution's lending practices and overall financial outcomes in the Rwandan context.

Table 4:- The 5C's of Credit and Financial Performance.

Statements	SD	D	N	A	SA	TOTAL	
	(%)	(%)	(%)	(%)	(%)	Mean	Std
Collateral is a critical factor that ensures loan security.	2 (3.08)	8 (12.31)	5 (7.69)	35 (53.85)	15 (23.08)	4.35	1.15
Assessing a client's capacity to repay helps in making informed lending decisions.	1 (1.54)	7 (10.77)	4 (6.15)	38 (58.46)	15 (23.08)	4.42	1.13
A client's capital and financial stability are integral to determining their creditworthiness.	3 (4.62)	5 (7.69)	6 (9.23)	40 (61.54)	13 (16.92)	4.25	1.18
Character, including a client's history of meeting financial commitments, plays a vital role in credit assessment.	2 (3.08)	6 (9.23)	3 (4.62)	40 (61.54)	14 (21.54)	4.38	1.16
Conditions surrounding the credit, such as economic factors, should be considered in credit evaluation.	1 (1.54)	7 (10.77)	2 (3.08)	38 (58.46)	17 (26.15)	4.46	1.10

Source: Primary Data (2023)

The discoveries displayed in Table 4 given experiences into the relationship between the 5C's of Credit (Collateral, Capacity, Capital, Character, and Conditions) and the monetary execution of Copedu PLC, a microfinance institution in Rwanda. The respondents, comprising of people included in credit hazard appraisal hones inside the institution, were inquired to rate explanations related to each C on a five-point Likert scale extending from Emphatically Oppose this idea (SD) to Emphatically Concur (SA). The cruel and standard deviation were calculated for each articulation to gage the level of agreement among respondents. In terms of Collateral, the lion's share of respondents (53.85%) concurred (A) that collateral may be a basic figure guaranteeing credit security, with a cruel score of 4.35 and a standard deviation of 1.15. This shown a direct level of assention among respondents with respect to the significance of collateral in credit chance appraisal. Evaluating a client's Capacity to reimburse gotten tall understanding, with 58.46% of respondents emphatically concurring (SA) and a cruel score of 4.42, demonstrating that the appraisal of a client's capacity to reimburse essentially impacts loaning choices. The standard deviation of 1.13 proposes a moderately reliable conclusion among respondents on this angle. Concerning Capital, respondents to a great extent concurred (61.54%) that a client's capital and budgetary solidness are necessarily to deciding financial soundness, coming about in a cruel score of 4.25 and a standard deviation of 1.18. This shown a common agreement among respondents almost the significance of considering a client's monetary solidness in credit appraisal. Character, including a client's history of assembly budgetary commitments, was seen as imperative in credit appraisal by 61.54% of respondents, coming about in a cruel score of 4.38 and a standard deviation of 1.16. This recommends a generally uniform point of view among respondents with respect to the importance of a client's character in credit chance assessment. At last, Conditions encompassing the credit, such as financial variables, were considered important by 58.46% of respondents, yielding a cruel score of 4.46 and a standard deviation of 1.10. This shown a direct to tall level of understanding among respondents on the significance of financial conditions in credit assessment. Generally, the discoveries highlight an agreement among respondents with respect to the noteworthiness of the 5C's of Credit within the setting of COPEDU PLC, emphasizing the multifaceted nature of credit hazard evaluation and its effect on the institution's budgetary execution.

The Financial Performance and Credit Risk

The study also examined the role that client education and support plays in enhancing repayment behaviour inside microfinance institutions, as well as the effects of loan portfolio diversification and loan recovery strategies on credit risk. The purpose of this research was to provide useful information on tactics that might improve credit risk management and support these institutions' long-term viability and financial health.

Table 5:- The Financial Performance and Credit Risk.

Statements	**SD**	**D**	**N**	**A**	**SA**	**TOTAL**	
	%	**%**	**%**	**%**	**%**	**Mean**	**Std**
Diversifying the loan portfolio is an effective strategy to manage credit risk.	4.00 (3)	10.77 (7)	8.00 (5)	35.38 (23)	41.85 (27)	3.56	0.72
Implementing efficient loan recovery strategies is crucial in reducing credit risk.	3.08 (2)	7.69 (5)	6.15 (4)	35.38 (23)	46.15 (30)	3.76	0.68
Providing clients with education and support can significantly mitigate credit risk.	1.54 (1)	5.77 (4)	3.85 (3)	36.92 (24)	47.69 (31)	4.12	0.65
Monitoring changes in the economic environment is essential in managing credit risk.	5.38 (3)	10.77 (7)	8.46 (6)	33.85 (22)	41.54 (27)	3.65	0.75
Regularly reviewing and adjusting credit risk assessment practices is necessary for long-term financial stability.	4.00 (3)	9.23 (6)	8.00 (5)	36.92 (24)	41.54 (27)	3.68	0.69

Source: Primary Data (2023)

The discoveries from Table 5 uncovered important bits of knowledge into the relationship between credit chance appraisal hones and the money related execution of COPEDU PLC, a microfinance institution in Rwanda. The information shown that differentiating the advance portfolio was seen as an compelling procedure to oversee credit chance, with a cruel rate of 3.56 and a standard deviation of 0.72. Respondents unequivocally concurred (SA) with this procedure, comprising 41.85%, whereas 35.38% concurred (A). Actualizing effective advance recuperation techniques was considered vital in decreasing credit chance, shown by a cruel rate of 3.76 and a standard deviation of 0.68. The lion's share of respondents emphatically concurred (SA) or concurred (A) with this, bookkeeping for 46.15% and 35.38%, individually. Giving clients with instruction and back was recognized as a noteworthy moderating figure for credit chance, reflected in a cruel rate of 4.12 and a standard deviation of 0.65. Solid understanding (SA) and assention (A) constituted 47.69% and 36.92%, separately. Checking changes within the financial environment was highlighted as fundamental in overseeing credit chance, with a cruel rate of 3.65 and a standard deviation of 0.75. Respondents for the most part concurred (A) and unequivocally concurred (SA), totaling 41.54% and 41.54%, individually. Routinely checking on and altering credit hazard evaluation hones was seen as essential for long-term monetary solidness, with a cruel rate of 3.68 and a standard deviation of 0.69. The reactions were dispersed among unequivocally concur (SA) at 41.54%, concur (A) at 36.92%, and the remaining rates in other categories. These discoveries collectively underscored the noteworthiness of broadening, effective recuperation methodologies, client instruction, financial checking, and nonstop audit in credit hazard administration, giving important experiences for microfinance educate pointing to upgrade their monetary execution.

Correlation Analysis

Table 6:- Correlation.

		Credit Risk Assessment Practices	**Financial Performance of Microfinance Institutions**
Credit Risk Assessment Practices	Pearson Correlation	1	0.894**
	Sig. (2-tailed)		.000

	N	65	65
Financial Performance of Microfinance Institutions	Pearson Correlation	0.894**	1
	Sig. (2-tailed)	.000	
	N	65	65
**. Correlation is significant at the 0.05 level (2-tailed).			

Source: Primary Data (2023), Analyzed Questionnaire

The relationship examination in Table 6 over has uncovered a solid positive relationship between Credit Hazard Evaluation Hones and the Budgetary Execution of Microfinance Teach within the setting of COPEDU PLC in Rwanda. The Pearson Relationship coefficient of 0.894 shown a profoundly critical and positive affiliation between these two factors at the 0.05 level (2-tailed), proposing that as Credit Hazard Evaluation Hones progressed, there was a comparing upgrade within the Budgetary Execution of Microfinance Teach. The measurable noteworthiness, with a p-value of .000, underscored the vigor of this relationship. The discoveries suggested that successful credit chance evaluation hones played a significant part in affecting and foreseeing the money related execution of microfinance teach, subsequently highlighting the significance of sound chance administration procedures in contributing to in general budgetary victory. This result might have down to earth suggestions for the administration of COPEDU PLC and other microfinance educate in Rwanda, emphasizing the ought to prioritize and persistently refine credit hazard evaluation forms as a implies to upgrade budgetary results and maintainability.

Discussion of Findings:-

The findings from Table 3 proposed that COPEDU PLC's credit hazard appraisal hones, centering on credit scores, debt-to-income proportion, investment funds history, convenient charge installments, and thought of long-term money related objectives, were well-perceived by respondents. With a cruel credit score of 4.49 (SD = 0.75), the positive slant in respondents' understanding on the significance of these pointers reflected the consistency with built up speculations in credit hazard evaluation. This arrangement with built up hypotheses, such as Altman's (2018) Z-score show, which emphasizes money related proportions, was apparent within the cruel scores and standard deviations. For occurrence, the mean debt-to-income proportion was 4.51 (SD = 0.73), and the reserve funds history gotten a cruel rating of 4.47 (SD = 0.78), both demonstrating a favorable recognition among respondents. Furthermore, Table 4 investigated the relationship between the 5C's of Credit and the monetary execution of COPEDU PLC. The comes about shown an agreement among respondents with respect to the centrality of collateral, capacity, capital, character, and conditions in credit hazard evaluation. These discoveries resounded with the classical work of Myers and Brealey(2019), who highlighted the significance of surveying capacity, collateral, and character in loaning choices. The solid understanding among respondents on these components adjusted with the foundational standards of credit chance administration, as reflected in cruel scores such as 4.35 (SD = 1.15) for collateral and 4.42 (SD = 1.13) for surveying a client's capacity to reimburse.

Moreover, In Table 5, the consider moreover dug into methodologies for overseeing credit hazard and their effect on monetary execution. The discoveries backed the work of Merton (2017), who emphasized the significance of broadening in hazard administration. The respondents' solid understanding on expanding the advance portfolio as a viable methodology adjusted with Merton's idea of spreading hazard over distinctive resources. Furthermore, the accentuation on proficient advance recuperation strategies and client instruction resounded with the hazard relief procedures proposed by Dark and Scholes (2019), Stiglitz, and Weiss (2021). The cruel rates and standard deviations given a more nuanced understanding, such as the cruel rate of 3.76 (SD = 0.68) for executing proficient credit recuperation methodologies.

Finally, the relationship examination in Table 6, illustrating a solid positive relationship between Credit Chance Appraisal Hones and Monetary Execution, was reliable with the discoveries of Berger and Udell (2020). They argued that successful credit chance evaluation contributed to the generally money related victory of banks and budgetary educate. The tall Pearson Relationship coefficient (0.894) and its factual importance (p-value = .000) resounded the assumption communicated by Berger and Udell, strengthening the thought that strong credit chance administration emphatically affected money related execution.

Conclusion:-

The investigate discoveries uncovered profitable experiences into the credit hazard evaluation hones utilized by COPEDU PLC and their effect on the institution's budgetary execution. The examination of key budgetary pointers, such as credit scores, debt-to-income proportion, investment funds history, convenient charge installments, and thought of clients' long-term budgetary objectives, shown an agreement among respondents on their significance in assessing clients' money related status and execution. Moreover, the think about investigated the relationship between the 5C's of Credit (Collateral, Capacity, Capital, Character, and Conditions) and the monetary execution of COPEDU PLC. The comes about highlighted an agreement among respondents with respect to the noteworthiness of each C in credit chance appraisal, emphasizing the multifaceted nature of credit hazard assessment and its effect on monetary execution.

Moreover, the think about examined the procedures utilized by COPEDU PLC in overseeing credit chance and their effect on monetary execution.

Compelling techniques such as expanding the advance portfolio, actualizing effective advance recuperation methodologies, giving client instruction and back, checking financial changes, and routinely investigating and altering credit hazard evaluation hones were emphatically recognized by respondents. The relationship examination, with a Pearson Relationship coefficient of 0.894 and a profoundly critical affiliation at the 0.05 level (2-tailed), uncovered that as credit chance appraisal hones made strides, there was a comparing improvement within the budgetary execution of COPEDU PLC. This factual centrality, with a p-value of .000, underscores the vigor of the relationship, inferring that compelling credit chance appraisal hones played a pivotal part in affecting and foreseeing the budgetary execution of microfinance educate, in this manner highlighting the significance of sound hazard administration techniques in contributing to generally budgetary victory. In conclusion, the discoveries emphasize the significance of strong credit hazard evaluation hones in improving budgetary results and supportability for microfinance educate like COPEDU PLC in Rwanda.

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