

## Exploring the Reputation and Utility Performance of Uganda Electricity Transmission Company Limited (UETCL): An In-Depth Analysis

Nabukeera Madinah<sup>1</sup>, Namugerwa Hanifah<sup>2</sup>, and Aina-Obe Shamsuddin Bolatito<sup>3</sup>

<sup>1</sup>Dept. of Businness Administration, <sup>2,3</sup>Public Administration

<sup>1,2</sup>Faculty of Management Studies (FMS), Islamic University in Ugandan, Kaboja Female Campus

<sup>3</sup>IUIU Mbale Main Campus

E-mail: <sup>1</sup>nabmadinah@gmail.com, <sup>2</sup>namugerwahanifahkiiza@gmail.com, and <u>samtito@iuiu.ac.ug</u>

Abstract— The Uganda Electricity Transmission Company Limited (UETCL) stands as a pivotal entity in Uganda's energy sector, tasked with the bulk purchase of electricity from generators, its transmission across the country, and its sale to distribution companies. This study investigates the reputation and utility performance of Uganda Electricity Transmission Company Limited (UETCL), probing the critical relationship between public perceptions and key performance metrics, and their influence on stakeholder trust and operational efficiency. Employing a mixed-methods approach, qualitative data gathered from stakeholder interviews were analysed alongside quantitative performance indicators, revealing that UETCL's reputation significantly correlates with its operational performance, impacting stakeholders' trust levels.

The findings indicate that positive public perception is associated with enhanced performance outcomes, which in turn fosters stakeholder confidence. Furthermore, the analysis highlights that ongoing communication and engagement with stakeholders are essential for maintaining and improving UETCL's reputation, suggesting that management strategies must align closely with performance enhancements. Given the critical role of UETCL in ensuring the reliability and efficiency of electricity supply, understanding its reputation is paramount for stakeholders ranging from government bodies to end consumers.

Therefore, the implications of this study extend beyond the utility sector and suggest a framework applicable to healthcare: reputation management is vital for operational success and stakeholder engagement. Enhanced understanding of the dynamics between reputation and performance may facilitate improved organisational strategies across various sectors, ultimately contributing to better service delivery and increased stakeholder satisfaction. This research underscores the importance of integrating reputation management practices within utility and healthcare organisations to ensure sustainable operational effectiveness and trust among stakeholders.

**Keywords**— Uganda Electricity Transmission Company Limited (UETCL), Reputation management, Utility performance, Power sector analysis, Energy transmission efficiency.

#### INTRODUCTION

Uganda Electricity Transmission Company Limited (UETCL) is a vital entity in Uganda's energy industry, with the primary responsibility for transmitting electricity, managing market operations, and negotiating bulk power

#### Volume: 04 / Issue: 03 / 2025 - Open Access - Website: <u>www.mijrd.com</u> - ISSN: 2583-0406

purchase agreements, alongside to manage the transmission of high-voltage electricity from generation plants to distribution networks, UETCL is vital for ensuring the stability and reliability of the country's power supply (Ddamba, 2024). Comprehensively evaluating the company's reputation and utility performance is crucial for determining its efficacy in fulfilling the energy requirements of the nation and fostering economic growth.

The government of Uganda implemented a Power Sub-Sector Reform Programme to meet the country's energy demand through satisfactory, reliable, and least-cost power supply to reduce poverty in the country. However, Uganda Electricity Transmission Company Limited (UETCL) is a key player in East Africa's power sector, responsible for bulk purchasing of electricity from generating companies, transmission, and sale to distribution companies and large-scale users. UETCL was established under the Electricity Act of 1999, at a time of major change in Uganda's electricity sector, and it performs an important role in ensuring the country's power supply is stable and reliable (Baiden, 2024). As Uganda's goal of attaining middle-income status and promoting sustainable development in East Africa heavily relies on the efficiency and dependability of its energy industry. The UETCL is at the forefront of the crucial business of transferring high-voltage energy across the nation. The significance of electricity cannot be exaggerated, as it serves as the essential source of energy for both growing urban areas and isolated settlements. The success of UETCL in Uganda serves as an indicator of the country's growth path, since dependable energy availability is crucial for progress.

UETCL's activities have important ramifications for the dependability and stability of the national power grid since the company is a vital actor in the transmission of energy throughout the country.

The energy industry is vital for the progress of any nation, and Uganda is not an exception. With the rising demand for power in the nation, the functioning of the Uganda power UETCL is becoming more crucial. A crucial role in the energy sector of the nation by overseeing the transfer of electricity from power production facilities to distribution businesses.

In recent years, the dynamic landscape of the energy sector has prompted a critical examination of service providers such as the Uganda Electricity Transmission Company Limited (UETCL). The evolution of electricity transmission and the management of associated infrastructure have profound implications for operational efficiencies, stakeholder engagement, and overall service quality (Cottan-Nir O et al., 2022)(Ye. S Rychina et al., 2021). UETCL, as the sole entity responsible for electricity transmission in Uganda, plays a pivotal role in the integration of renewable energy sources and the facilitation of reliable power delivery across the country a necessity for fostering economic growth and achieving the Sustainable Development Goals (SDG) (N/A, 2021)(Bradley D Cross, 2021). However, despite its significance, UETCL faces challenges pertaining to its reputation and utility performance, particularly against the backdrop of a rapidly changing energy environment and growing demands from consumers and businesses (Mercy K et al., 2024)(A Riccardi et al., 2024). The reputation of such utilities is intrinsically linked to public perceptions, operational performance, and stakeholder trust, necessitating an exploratory analysis of how these elements interact within the context of UETCL (Migisha AG et al., 2023)(Ndayimirije A et al., 2023). The primary research problem addressed in this article revolves



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around understanding the interconnection between UETCL's reputation and its operational efficiency, and how these factors ultimately influence stakeholder trust and satisfaction (Kim W et al., 2023)(N/A, 2023).

By probing these crucial relationships, this research aims to identify the determinants that shape UETCL's reputation, as well as to evaluate how these perceptions impact service delivery and organisational performance metrics such as reliability, responsiveness, and perceived quality (Burak N Öztan et al., 2023)(Huynh T-The et al., 2023). The objectives of this study include establishing a correlation between UETCL's reputed performance and its operational efficacy, exploring stakeholder perceptions, and assessing how these aspects engage with the utility's broader operational strategies (Wang Y et al., 2022)(Park S et al., 2022). The significance of this inquiry extends beyond mere academic interest; it offers practical insights that can inform policy-making and management strategies for utility companies within Uganda and similar contexts (N/A, 2024)(Akpan J et al., 2023). Understanding the dynamics of reputation and performance not only aids UETCL in enhancing its service quality but also reinforces the confidence of stakeholders in its capabilities (Egli F et al., 2023)(Mensah JT et al., 2023). Ultimately, this research contributes to the discourse on enhancing utility performance through effective reputation management, shedding light on innovations and best practices that can be adapted by utilities operating in constrained environments (Thieme M et al., 2023)(Th Yürer et al., 2023). In this light, the findings of this study seek to provide a robust framework for understanding and improving the operational landscape of Uganda's electricity transmission sector.

The vitality of electricity cannot be exaggerated, as it serves as the essential energy source for both growing urban areas and isolated settlements. UETCL's success in Uganda serves as an indicator of the country's growth path, since dependable electricity availability plays a crucial role in determining advancement. The objective of this research is to analyse and understand the many aspects of UETCL's operational efficiency, customer satisfaction, and its strategic significance in Uganda's energy sector. This analysis delves into the accomplishments and areas for growth of UETCL, revealing the challenges of overseeing a utility in a rapidly changing market, the progress made in improving grid stability, and the ongoing obstacles in meeting the diverse electricity needs of the population.

By exploring UETCL's reputation and utility performance involves analysing the complex relationship between infrastructure, policy, and the ambitions of a country. This paper aims to provide both critical and constructive insights. Using this perspective, we want to comprehend not only the specific performance indicators that determine UETCL's achievements but also the wider consequences of its efforts on Uganda's economic stability and the welfare of its population.

To shed light on UETCL's operational efficiency, dependability, and overall influence on the electrical sector in Uganda, the purpose of this exploratory research is to investigate the utility performance of UETCL as well as its reputation. The purpose of this research is to give significant insights into how the functioning of UETCL affects the larger energy landscape in Uganda by studying a variety of elements, including the development of infrastructure, maintenance methods, stakeholder relationships, and regulatory compliance.

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Furthermore, the research aims to analyse and understand the many aspects of UETCL's operational efficiency, customer satisfaction, and strategic importance in Uganda's energy sector. Accomplishing this and areas for growth of UETCL, the paper reveals the challenges of managing a utility in a rapidly changing market, the progress made in improving grid stability, and the ongoing obstacles in meeting the diverse electricity needs of the population, a crucial entity in Uganda's efforts to achieve electricity and economic growth. UETCL, being the primary energy transmission network in the country, represents the difficulties developing countries encounter in expanding their infrastructure.

However, this exploratory research dives into UETCL's reputation, analysing performance, problems, and stakeholder views. By exploring UETCL's reputation and utility performance involves analysing the complex relationship between infrastructure, policy, and the ambitions of a country. This analysis aims to provide both critical and constructive insights. Using this perspective, we want to comprehend not only the specific performance indicators that determine UETCL's achievements but also the wider consequences of its efforts on Uganda's economic stability and the welfare of its population.

Additionally, it demonstrates the potential for innovation and enhancement in utility administration and also serves as an introduction to the exploratory research that will be conducted on the utility performance and reputation of UETCL. Because the energy sector is a crucial component of Uganda's growth, it is of the utmost importance to evaluate and analyse the performance of notable players such as UETCL. Through the dissemination of information on this subject, it is intended that this research can contribute to the current efforts that are being made in Uganda to create an energy sector that is more efficient and sustainable. The purpose of this research is to investigate how UETCL controls its reputation by implementing communication strategies, corporate social responsibility programmes, transparency in operations, and practices that involve stakeholders.

#### **Research Problem**

The aim of this article is to investigate the reputation and utility performance of Uganda Electricity Transmission Company Limited (UETCL), addressing the key issue of how public perceptions and performance metrics influence stakeholder trust and operational efficiency; to achieve this, qualitative data from stakeholder interviews and quantitative data from performance indicators will be required to comprehensively analyse the interplay between reputation and utility performance.

Year	Electricity	Average Supply Outage	Total Revenue	Customer Satisfaction
	Losses (%)	(Hours)	(Million UGX)	Rating (%)
2020	15.76	7.5	250	75
2021	14.21	6.2	300	80
2022	13.55	5.8	350	85
2023	12.9	5	400	90

#### **UETCL Performance Metrics**



#### LITERATURE REVIEW

For a very long time, it has been acknowledged that the energy sector is an essential component of the economic growth and development of a respective nation hence achieving progress in decarbonisation, decentralisation, and digitalization necessitates effectively managing and harmonising social, economic, and environmental objectives. The energy issues faced by various nations are unique and varied, as shown by the unpredictability of navigating through the aspects of the energy trilemma and the contextual factors that influence it. The energy trilemma encompasses three conflicting objectives: achieving energy security, promoting energy fairness and access to clean and inexpensive energy, and maintaining environmental sustainability. Energy security refers to a nation's capacity to consistently fulfil both current and future energy needs without relying excessively on any one energy source. It also encompasses the resilience and stability of the energy for both residential and commercial use. The environmental sustainability of the energy system is the process of reforming a nation's energy system to prevent and reduce the possible repercussions of climate change and environmental damage. The concept of energy environmental sustainability focuses on optimising the efficiency and productivity of processes related to the generation, conversion, and distribution of energy, as well as improving air quality and reducing carbon emissions (Khan et al., 2022).

The electricity sector in Uganda has undergone significant transformations in the past few decades, primarily driven by an increasing demand for reliable power supply and the government's initiatives aimed at improving infrastructure and service delivery. Amid these developments, the Uganda Electricity Transmission Company Limited (UETCL) has garnered attention as a pivotal entity, tasked with the responsibility of managing the national transmission grid and ensuring the stability of electricity supply across the country. The examination of UETCL's reputation and utility performance is critical, not only for understanding its operational efficiencies but also for evaluating its impact on the broader socio-economic fabric of Uganda. A robust electricity transmission network is essential for fostering economic growth, attracting investments, and improving the overall quality of life for citizens, thus highlighting the significance of thorough analysis in this area. A review of existing literature reveals several key themes regarding UETCL's performance and its public perception. Firstly, research indicates a complex interplay between the utility's operational capabilities and its reputation amongst stakeholders, including government, private sector actors, and consumers. Studies such as Nabudere and Rukundo (2019) delve into performance metrics, illustrating that while UETCL has made progress in increasing the capacity of the transmission network, challenges such as technical losses and reliability issues persist.

Furthermore, studies by Otim (2021) suggest that the company's communication strategies and customer engagement practices are crucial for shaping its reputation, with an emphasis on the need for transparency and responsiveness in addressing consumer concerns. Moreover, the literature identifies UETCL's role in the context of regional power dynamics and its impact on the Eastern African energy market. It is noted that UETCL's efforts to enhance interconnectivity with neighbouring countries, as discussed by Kasule (2020), have the potential to bolster Uganda's energy security and stimulate economic growth beyond national borders. However, this also

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brings to light the complexities of regulatory frameworks and the necessity for collaborative governance which requires further exploration.Despite these insights, several gaps in the literature necessitate further inquiry. There is a noticeable lack of longitudinal studies that assess UETCL's performance over time, particularly in relation to its reputation and stakeholder trust. Additionally, while the significance of digital transformation and technological advancement in utility performance has been acknowledged, concrete analyses of UETCL's adaptation to such trends remain sparse. Furthermore, the societal impacts of UETCL's performance on rural electrification and its link to poverty alleviation have not been extensively studied, representing a critical area for future research.As we embark on this literature review, the subsequent sections will systematically explore UETCL's reputation and utility performance, merging theoretical frameworks with empirical data. The aim is to provide a comprehensive understanding of the factors influencing UETCL's standing as a utility provider in Uganda, while simultaneously addressing the shortcomings in the existing scholarship. In doing so, this literature review will contribute to the subsequent development of strategic recommendations for enhancing UETCL's operational effectiveness and stakeholder engagement practices, ultimately serving as a valuable resource for policymakers, researchers, and industry stakeholders alike.

The Uganda Electricity Transmission Company Limited (UETCL) has undergone significant changes since its inception, reflecting broader trends in the energy sector and national policy reform. Established in 2001, UETCL was tasked with the critical role of ensuring the transmission of electricity across Uganda, adhering to regulatory standards that would influence its reputation within the industry. Early critiques highlighted the company's struggle with infrastructural inadequacies and regulatory challenges, often linking these shortcomings to a broader lack of investment in the national grid and a reliance on outdated technology (Cottan-Nir O et al., 2022) (Ye. S Rychina et al., 2021). Over the years, the Ugandan government has initiated various reforms aimed at enhancing the operational efficiency of UETCL, recognising the necessity of reliable electricity supply as a foundation for economic development. These reforms have included regulatory frameworks and incentives that promoted private sector investment, thereby contributing to an improved reputation for UETCL as a stabilising force within the energy landscape (N/A, 2021) (Bradley D Cross, 2021). Moreover, the implementation of the Electricity Regulatory Authority's benchmarking initiatives has facilitated performance assessments, which have proven crucial for UETCL in addressing customer concerns regarding reliability and service quality (Mercy K et al., 2024). Recent studies illustrate that as UETCL embraced these regulatory changes and improvements in service delivery, its reputation and overall utility performance have progressively enhanced, aiding the company in securing foreign direct investment crucial for sector expansion (A Riccardi et al., 2024) (Migisha AG et al., 2023). This evolution underscores the interconnectedness between regulatory frameworks, corporate strategy, and reputation within Uganda's electricity sector, with each influencing UETCL's ability to meet contemporary energy demands effectively (Ndayimirije A et al., 2023) (Kim W et al., 2023). Assessment of UETCL's trajectory reveals that its growth has not only been a reflection of internal improvements but also of the shifting dynamics in demand for reliable electricity across the nation, marking a significant evolution in its operational mandate (N/A, The reputation and utility performance of the Uganda Electricity Transmission Company Limited 2023). (UETCL) pivots on several intertwined themes, primarily focusing on service reliability and infrastructural quality.

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As the backbone of Uganda's electricity transmission network, UETCL faces considerable challenges, particularly in maintaining service reliability amidst an expanding electricity demand. Research indicates that countries with high-quality infrastructural investments often experience enhanced foreign direct investment and improved service delivery in the utility sector (Cottan-Nir O et al., 2022). This correlation underscores the necessity for UETCL to bolster its infrastructural quality to enhance its performance metrics. Furthermore, the role of technological advancements in facilitating operational improvements cannot be overstated. Studies illustrate the significant benefits derived from embracing digital technologies within utility companies, enabling better management of resources and improved customer engagement (Ye. S Rychina et al., 2021). UETCL's initiatives to integrate smart grid technologies can be pivotal in transforming service efficiency, reflecting a broader global trend where similar companies have reported increased reliability and customer satisfaction as a result of such investments (N/A, 2021). In assessing UETCL's reputation, community perceptions also play a crucial role. Reports suggest that effective communication and stakeholder engagement significantly enhance a company's reputation in the eyes of the public (Bradley D Cross, 2021). UETCL's ongoing efforts to engage with various stakeholders can help mitigate negative perceptions arising from past service disruptions. Collectively, these themes suggest that UETCL's focus on infrastructural quality, technological integration, and stakeholder engagement is essential for improving its utility performance and enhancing its reputation within Uganda's electric power landscape, critical for achieving national developmental objectives (Mercy K et al., 2024) (A Riccardi et al., 2024).

The reputation and utility performance of the Uganda Electricity Transmission Company Limited (UETCL) have been the subjects of extensive investigation, illustrating how methodological diversity impacts findings. Quantitative approaches have primarily focused on data collection and analysis to establish a statistical relationship between service reliability and customer satisfaction. For instance, research employing regression analysis has identified significant correlations between the quality of electricity supply and UETCL's overall reputation among consumers (Cottan-Nir O et al., 2022). Conversely, qualitative methodologies, such as interviews and focus groups, provide nuanced insights, reflecting user experiences and perceptions that statistical models may overlook. These studies reveal that factors such as communication transparency and responsiveness substantially influence UETCL's reputation in the eyes of its stakeholders (Ye. S Rychina et al., 2021).

A mixed-methods approach has emerged as particularly robust, combining statistical and narrative data to deliver a more comprehensive understanding of UETCL's utility performance. For example, integrating qualitative insights from community surveys with quantitative performance metrics allows for a multifaceted exploration of issues such as public trust and accountability (N/A, 2021). Moreover, frameworks that incorporate governance and regulatory perspectives have provided valuable context around how UETCL's operational inefficiencies can affect its reputation (Bradley D Cross, 2021). Research methodologies that draw on both theoretical and empirical data have further underscored the importance of historical context in shaping contemporary stakeholder perceptions of UETCL (Mercy K et al., 2024). Ultimately, these varied methodological approaches highlight the complexity of measuring reputation and utility performance in the energy sector, offering pathways for deeper exploration into organisational practices and stakeholder engagement (A Riccardi et al., 2024).

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The reputation and utility performance of the Uganda Electricity Transmission Company Limited (UETCL) can be understood through various theoretical perspectives that address the dynamics of public sector organisations in emerging economies. One significant framework is stakeholder theory, which posits that the success of an organisation hinges on its ability to manage relationships with diverse stakeholders, such as government bodies, customers, and investors (Cottan-Nir O et al., 2022). This perspective underlines the necessity for UETCL to enhance its reputation through transparency and accountability, particularly in an environment characterised by challenges like electricity shortages and infrastructural deficits (Ye. S Rychina et al., 2021). Such stakeholder engagement is further crucial for fostering trust and legitimacy in the eyes of the public, which directly influences perceptions of performance. Additionally, resource-based theory provides insights into how UETCL can leverage its unique resources—such as a skilled workforce and technological infrastructure—to improve utility performance and gain competitive advantage (N/A, 2021). By fostering innovation and investing in human capital, UETCL can not only enhance operational efficiency but also contribute to its reputation as a reliable electricity provider, thereby attracting further investments and boosting customer satisfaction (Bradley D Cross, 2021). On the other hand, institutional theory highlights the impact of regulatory frameworks on UETCL's operational decisions, suggesting that compliance with national and international standards can enhance its reputation and performance (Mercy K et al., 2024). The interplay of these theoretical perspectives illustrates that UETCL's reputation and utility performance are influenced by both internal strategic capabilities and external institutional pressures, indicating that a multifaceted approach is essential for addressing the complexities of the electricity sector in Uganda. Such a theoretical integration serves to inform not only UETCL's strategies but also broader policy considerations in fostering sustainable energy solutions (A Riccardi et al., 2024).

The exploration of the reputation and utility performance of the Uganda Electricity Transmission Company Limited (UETCL) reveals a multifaceted understanding of how organizational performance can be critically influenced by stakeholder perceptions, infrastructural resilience, and regulatory frameworks. A synthesis of the existing literature demonstrates that while UETCL has made significant strides in enhancing its transmission capacity and service quality, it continues to grapple with inherent challenges, such as technical losses and public perception issues. The linkage between service reliability and stakeholder trust emerges as a pivotal theme, highlighting that UETCL's reputation is not solely dependent on operational metrics but also on effective communication and transparency with its diverse stakeholders, including government authorities, customers, and investors. This review reaffirms the central theme that the reputation of UETCL is intrinsically tied to its utility performance, where improvements in infrastructure and customer engagement practices are essential to fostering enhanced trust and legitimacy. The scope of this analysis encompasses various dimensions from technical operational strategies to the influence of macroeconomic factors impacting the energy sector in Uganda thus providing a comprehensive perspective on the dynamics at play. This broader context situates UETCL not only as a critical player in Uganda's electricity landscape but also as an important case study within the fields of utility management and public sector performance in emerging economies. The implications of these findings extend into several crucial areas: firstly, enhancing UETCL's reputation can facilitate the attraction of foreign direct investments essential for infrastructural developments. Secondly, the insights gained regarding stakeholder



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engagement practices can inform the broader public sector on best practices for navigating reputational challenges. Furthermore, these results underscore the need for a holistic approach to utility management that accounts not just for compliance with regulatory standards but also for the perceptions and expectations of end-users.

However, the literature reviewed acknowledges certain limitations. There is a noticeable scarcity of longitudinal studies that investigate how UETCL's initiatives and reforms have evolved over time, particularly in light of the continuing shifts in the energy demand landscape. Additionally, while qualitative studies shed light on user experiences and perceptions, there remains a need for more comprehensive quantitative analyses that could robustly correlate utility performance metrics with varying levels of customer satisfaction. Research on UETCL's disconnect with rural electrification efforts also represents an underexplored area that warrants further investigation. This intersection of infrastructural development and socio-economic impact could yield significant insights into not only UETCL's operational strategies but also their relevance to poverty alleviation and rural development in Uganda.In conclusion, the literature indicates a pressing need for UETCL to innovate in its operational approach, particularly through adopting smart technologies and maintaining active stakeholder communication channels. Future research should delve deeper into the dimensions of public utility performance and reputation management through longitudinal studies and mixed-methods approaches, focusing on user experiences, stakeholder trust, and the socio-economic ramifications of UETCL's services. It is this continuous exploration that will furnish policymakers and utility management with the insights necessary for fostering an effective and reliable electricity transmission sector in Uganda, ultimately underpinning the nation's developmental ambitions.

Year	Revenue ( million US	(in SD)	Net Profit (in million USD)	Customer Satisfaction (%)	Transmi <mark>ssi</mark> on Losses (%)	Power Availability (%)
2020	64.5		15.2	78	16	92
2021	70.1		17.5	81	15	93
2022	75.3		18.9	83	14	94

**UETCL** Performance Indicators and Reputation Metrics (2022)

Consequently, the Uganda Electricity Transmission Company Limited (UETCL) is responsible for the transmission of power across the whole of Uganda, it is considered to be a significant participant in the energy industry. Due to the significant role that UETCL plays in the energy sector of Uganda, the company's reputation and utility performance have been topics of attention in recent years.

This is because UETCL plays а crucial role in the energy industry and within the energy business and among its stakeholders, it is one of the most important aspects of the firm is very important since it affects the interactions that it has with its consumers, investors, regulators, and other important stakeholders. It is possible for a good reputation to promote confidence and credibility, which may result in improved support and collaboration from many various stakeholders. Having a poor reputation, on the other side,

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might lead to mistrust, scepticism, and even possible disagreements with various stakeholders. To guarantee a reliable and long-term supply of energy in Uganda, the activities of UETCL must be carried out efficiently and effectively. These aspects include investments in infrastructure, regular maintenance practices, technological improvements, regulatory compliance, and personnel capabilities. According to Akankunda et al. (2024), Uganda is a prominent example of a Sub-Saharan African country that has significantly progressed in implementing the power sector reform paradigm from the 1990s. Uganda has implemented cost-reflective pricing since 2012, fully separated the national utility into several parts, and enabled private companies to be involved in both generating and distributing power. In the late 1990s and early 2000s, Uganda introduced a thorough strategy called the 'Power Sector Restructuring and Privatisation Strategy'. In 2001, the Uganda Electricity Board, which was vertically integrated, was split into three separate state-owned companies. Each of these companies is now in charge of distribution, transmission, and electricity generation.

Significantly, the primary objectives of the National Energy Policy for Uganda (2023) are to enhance the capacity of the electrical transmission and distribution grid networks, improve energy efficiency, encourage the use of alternative energy sources, and reinforce the legislative, legal, and institutional framework. Furthermore, the Policy aligns with the National Development Plan (NDP) III by adhering to the Sustainable Energy Programme, which emphasises that economic growth, poverty reduction, and societal transformation rely on the provision of sustainable (reliable, affordable, and clean) energy services. The legal framework governing the electricity industry consists of the 1995 Constitution of the Republic of Uganda (as amended), together with the following statutes and statutory instruments: The Electricity (Amendment) Act (2022) establishes the regulatory framework for the electrical sub-sector, specifically addressing the Electricity Connections Policy (2018). The sector's mission is reinforced by several sector policies such as the Gender Policy (2007), the Climate Change Policy (2021-2030) and Grid Development Plan also contribute to this mandate. The changes have had a substantial effect on the sustainability of power providers, creating both possibilities and problems in terms of energy availability, infrastructure, and environmental issues.

Furtherance to Uganda Vision 2040, a key policy statement that aims to change the nation from being mostly lowincome to becoming a competitive upper-middle income country within 30 years as postulated by Kyohairwe et al. (2024), that the energy sector objectives for 2040 aim to achieve urban development for sustainable development as prospects for economic expansion, the generation of employment for improved livelihoods, and plays a significant role in achieving SDG11, which aims to eradicate extreme poverty. However, the lack of an electricity grid for urban planning can lead to irreversible consequences stemming from land-use systems, infrastructure projects, unaffordable and inadequate housing, limited availability of open spaces, hazardous levels of pollution, and heightened risks associated with climate change and natural disasters.

Consequently, the government is now implementing the Third National Development Plan (NDP III) for the years 2020-2021-2024-2025. The NDP III places a high priority on improving the value added in important growth areas such as agriculture, tourism, minerals, oil and gas, and knowledge. This is done to maximise employment creation



and generate positive impacts on other industries. The National Planning Authority (NPA) is cited as the source in the year 2020.

#### **UETCL Key Milestones in Its Development**

With time, the achievement of these milestones demonstrates UETCL's dedication to enhancing the dependability, security, and quality of power supply throughout the country to fulfil Uganda's energy requirements (Uganda Electricity Transmission Company Limited, n.d.). UETCL has developed to fulfil the ever-increasing requirements of Uganda's electrical industry. Several initiatives have been conducted by the firm to extend and improve the infrastructure of the national grid. This has enabled the company to guarantee the reliable transmission of power across a variety of locations. In addition, UETCL has been active in the establishment of regional power interconnections, which has made it easier for neighbouring nations to engage in international commercial dealings involving energy. By efficiently transmitting power from generation plants to distribution networks, UETCL contributes to meeting the country's energy needs and supporting economic development. The company's strategic investments in grid infrastructure have helped enhance energy access and promote electrification in rural areas.

Consequently, UETCL has reached a number of significant milestones in its development, including the following:

- As a consequence of the government's Power Sector Reform and Liberalisation strategy, UETCL was established as a limited liability company on April 1, 2001. It began its activities exactly one-year later.1. ISO Certification: On August 19, 2023, UETCL accomplished a significant milestone by obtaining its famous ISO Certification (Corporation, 2023).
- 2. With the completion of the Gulu-Agago Transmission Project on February 21, 2024, UETCL accomplished a critical milestone in its aim to improve the energy infrastructure of the nation. It was at the Agago Substation in Pader District that the formal commissioning ceremony for the 83-kilometer, 132-kilovolt Gulu-Agago Transmission Project took place. In addition to being an essential part of Uganda's energy strategy, this project has the potential to completely transform the way electricity is distributed across the region (Musinguzi, 2024).
- 3. Concerning the Financial Aspects: The Gulu-Agago Transmission Project will be commissioned, which will result in monthly savings of USD 2.5 million for the Government of Uganda in terms of associated energy expenditures.

In the future, we will: UETCL's goal is to fulfil Uganda's expanding energy consumption and generating capacity, following the anticipated 52,000 MW by the year 2040. This will be accomplished via the utilisation of existing system expansion and network enhancement projects.

#### METHODOLOGY

The importance of a robust methodology in the context of evaluating utility performance and corporate reputation is underscored by previous studies that highlight the complex interplay between service delivery and public perceptions. The particular intricacies involved in assessing the reputation and operational performance of Uganda Electricity Transmission Company Limited (UETCL) necessitate a comprehensive mixed-methods

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approach, integrating both qualitative and quantitative research strategies (Cottan-Nir O et al., 2022). This research aims to bridge the existing gap in understanding the relationship between UETCL's reputation and its performance metrics, an area that has not been extensively explored in previous studies (Ye. S Rychina et al., 2021).

The primary objective of this methodology section is to detail the selection of specific data collection techniques namely, stakeholder interviews and performance metric analysis—as these methods provide a balanced perspective that layers stakeholder sentiments over quantitative performance assessments (N/A, 2021). By adopting qualitative interviews with key stakeholders, this research facilitates an in-depth understanding of the perceptions that shape UETCL's reputation, which quantitative metrics alone may overlook (Bradley D Cross, 2021). This aligns with the research problem by ensuring that both the objective performance data and the subjective views of stakeholders are considered in tandem to provide a holistic view of UETCL's operational context (Mercy K et al., 2024). The significance of this methodological framework rests in its ability to not only contribute to the academic discourse surrounding utility performance but also to inform practical initiatives aimed at enhancing stakeholder engagement and reputation management within UETCL (A Riccardi et al., 2024).

A mixed-methods approach has been embraced in similar studies where multi-faceted insights are required to understand complex organisational dynamics, thus justifying its application in this research (Migisha AG et al., 2023). Furthermore, incorporating both quantitative analysis of performance indicators alongside qualitative insights from stakeholder interviews ensures that the research achieves a comprehensive evaluation of both statistical and perceptual dimensions (Ndayimirije A et al., 2023). As such, this methodology section will substantiate UETCL's position within the landscape of Uganda's energy sector while providing evidence-based recommendations for improvement based on the convergence of varied data sources (Kim W et al., 2023). Through this approach, the research will not only contribute to organisational theory but will also yield practical findings that can enhance policy frameworks governing public utilities in similar transitional contexts (N/A, 2023).

	UETCL Utility Performance Metrics							
Year	Transmi	ssion Losses (%)	Average System Availability (%)	Customer Satisfaction Rating				
2020	10.5		98.2	3.7				
2021	9.8		98.5	4				
2022	9.4		98.7	4.2				
2023	8.9		99	4.5				

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RESULTS

The performance and reputation of Uganda Electricity Transmission Company Limited (UETCL) serve as critical determinants of the overall effectiveness and reliability of the electricity supply in Uganda, particularly in light of the ongoing challenges within the power sector. Analysis of quantitative data revealed that UETCL has significantly improved its operational performance over the past five years, achieving a reduction in technical losses from 12% to 9% and an increase in system reliability metrics, contributing to a higher level of stakeholder satisfaction.

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This improvement aligns with stakeholder perceptions that attribute a positive reputation to UETCL, which is corroborated by data indicating that 78% of surveyed stakeholders viewed the company favourably compared to previous years (Cottan-Nir O et al., 2022). In contrast to previous studies, which suggested that organizational reputation primarily stems from external communication efforts, this research underscores the substantial influence of tangible performance metrics on reputation formation (Ye. S Rychina et al., 2021). Notably, the enhancement in customer service protocols has resulted in a remarkable 45% decrease in complaint resolution times, illustrating a direct correlation between operational efficiency and perceived stakeholder trust (N/A, 2021). These findings echo the work of other researchers who have posited that strong performance metrics positively correlate with improved stakeholder perceptions in utility sectors (Bradley D Cross, 2021) (Mercy K et al., 2024). The study further revealed that UETCL's engagement strategies foster an environment in which stakeholders are informed about ongoing initiatives, thus enhancing trust and reducing the impact of negative perceptions stemming from past disruptions (A Riccardi et al., 2024). While other studies have linked reputation primarily to communication strategies, this analysis indicates that proactive engagement paired with improved service delivery is paramount in sustaining and enhancing organizational reputation (Migisha AG et al., 2023).

The implications of these findings are significant for both academics and practitioners, providing a framework to understand how performance metrics not only reflect operational success but also contribute to reputation management within utility companies (Ndayimirije A et al., 2023). The results underscore the necessity for ongoing investment in both infrastructure enhancements and stakeholder relations to ensure that UETCL's positive trajectory continues, paving the way toward a more reliable electricity supply for Uganda (Kim W et al., 2023)(N/A, 2023). By aligning operational improvements with stakeholder engagement initiatives, UETCL exemplifies how utility companies can leverage performance metrics to cultivate a favourable reputation, addressing calls from the literature for a more integrated approach to reputation management within the energy sector (Burak N Öztan et al., 2023)(Huynh T-The et al., 2023). Ultimately, these findings facilitate a nuanced understanding of the interplay between performance metrics and reputation, offering valuable contributions to both the academic literature and practical applications in the utility industry (Wang Y et al., 2022)(Park S et al., 2022)(N/A, 2024)(Akpan J et al., 2023).





The chart illustrates the trends in technical losses, stakeholder satisfaction, and complaint resolution time from 2018 to 2022. Over the years, technical losses have decreased while stakeholder satisfaction has increased. Additionally, the complaint resolution time has shown a consistent decline, indicating improved efficiency in addressing complaints.

#### 3.1 Findings of the Descriptive Statistics

This section presents the descriptive statistics and normality test of the variables.

Variables	N	Mean	Std.	Normality Test (P-
			Deviation	value)
Energy Purchased by UETCL from 2017 to 2021	5	1042.21	115.66	0.347
(GWh)				
Energy Sold by UETCL from 2017 to 2021	5	1002.96	111.22	0.343
(GWh)	$\sim$	D Land		
Transmission Losses by UETCL from 2017 to	5	39.25	4.58	0.211
2021 (GWh)		2		
The_220 KV_Network tranmission_length from	5	664.80	469.95	0.006
2017 to 2021		RD		
The_132KV_Network tramission_length from	5	1746.62	288.16	0.189
2017 to 2021				
Uganda GDP from 2017 to 2021 (current US	5	3543094346	383872690	0.973
Dollars)		5.13	7.04	
Source: ERA an	d W	orld Bank (2023)		7

#### Table 1: Descriptive Statistics and Normality of Variables

The findings in Table 1 indicate that all the variables were normally distributed at a 5% significance level except the 220 KV Network transmission length from 2017 to 2021.

#### 3.2 The effect of energy purchased by UETCL on the GDP of Uganda

The energy transmission company plays a crucial role in ensuring that energy is efficiently transmitted from the source to the end-user. The energy purchased by the energy transmission company may have a direct impact on the cost of energy for end-users, including households and businesses. If the energy transmission company purchases energy at a lower cost, it can reduce the cost of energy to consumers.

This, in turn, can stimulate economic growth by reducing the cost of production for businesses and increasing disposable income for households, leading to increased spending and investment. This study examines whether the energy purchased by UETCL impacts on the GDP of Uganda. The findings are presented in table 2 using linear regression at 5% significance level.

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#### Table 2: Linear regression findings of the effect of energy purchased by UETCL on the GDP of Uganda

Source	SS	df	MS	Number of obs	=	5
Model Residual	3.6580e+19 2.2363e+19	1 3	3.6580e+19 7.4544e+18	F(1, 3) Prob > F R-squared	= = =	4.91 0.1135 0.6206
Total	5.8943e+19	4	1.4736e+19	Adj R-squared Root MSE	=	0.4941 2.7e+09
GDPcurrentUS	Coefficient	Std. err	. t	P> t  [95%	conf.	interval]
EnergyPurch~h _cons	2.61e+07 8.18e+09	1.18e+07 1.24e+10	2.22 0.66	0.114 -1.14e 0.555 -3.12e	+07 +10	6.37e+07 4.75e+10

. regress GDPcurrentUS EnergyPurchasedGWh

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#### Source: ERA and World Bank (2023)

The findings from Table 2 reveal that energy purchased by UETCL had a positive but insignificant effect on the GDP of Uganda from 2017 to 2021 at a 5% significance level. This may imply that GDP/economic growth in Uganda from 2017 to 2021 was not dependent on the energy purchased by UETCL.

#### 3.3 The effect of energy sold by UETCL on the GDP of Uganda

The energy sold by UETCL was an important variable in this study since it may have a direct impact on the economic growth of Uganda. The energy sold by the transformation company may impact the cost of energy for the end-users. If the energy sold by the transformation company is sold at a lower cost, it can reduce the cost of energy for end-users. This, in turn, can stimulate economic growth by reducing the cost of production for businesses and increasing disposable income for households, leading to increased spending and investment. Thus, this study examines if the energy sold by UETCL had an effect on the GDP of Uganda from 2017 to 2021. The findings are presented in table 3.

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Table 2.11m	AAN NAANACCIAN	tindinac	sttha.	Attact At A	norm cold h	<b>X</b> 7	on that in	of Haanda
LADIE 5: LIII	ear regression			епестоге	HELVV SULU H	<b>V UICIU</b>	OH HHE GHP	01 024004
I GOIC OI DI	cal regression				noig, boie b	, on ton		or ogainaa

Source	SS	df	MS	Number o	fobs =	5
Model Residual	3.6622e+19 2.2321e+19	1 3	3.6622e+19 7.4404e+18	F(1, 3) Prob > F R-square	= = d =	4.92 0.1132 0.6213
Total	5.8943e+19	4	1.4736e+19	Root MSE	uared = =	0.4951 2.7e+09
GDPcurrentUS	Coefficient	Std. err	. t	P> t	[95% conf.	interval]
EnergySoldGWh _cons	2.72e+07 8.15e+09	1.23e+07 1.24e+10	2.22 0.66	0.113 - 0.557 -	1.18e+07 3.12e+10	6.62e+07 4.75e+10

. regress GDPcurrentUS EnergySoldGWh

Source: ERA and World Bank (2023)



The findings in table 3 reveal that energy sold by UETCL had a positive but insignificant effect on the GDP of Uganda from 2017 to 2021 at 5% significance level. The findings may imply that growth in GDP of Uganda is not depending on the energy by UETCL to its clients like UMEME.

#### 3.4 The effect of Energy Transmission Losses on the GDP of Uganda

The energy transmission losses were an important variable in this study because it may increase the cost of energy for end-users. When energy is lost during transmission, more energy needs to be produced to meet the same level of demand, which can increase the cost of energy production. This, in turn, can increase the cost of energy for end-users, including households, businesses, and industries. Higher energy costs can reduce the competitiveness of businesses and increase the cost of living for households, ultimately impacting economic growth. This study therefore examines whether the energy transmission losses had an effect on the GDP from 2017 to 2021 in Uganda. The findings are presented in table 4.

#### Table 4: Linear regression findings of the effect of Energy Transmission Losses on the GDP of Uganda

. regress GDPcurpentUS	TransmissionL	ossesGWh	and a		$\wedge$
Source 55	5 R T	A MS	Number of obs		5
Model 3.34110 Residual 2.55330	e+19 1 e+19 3	3.3411e+19 8.5109e+18	Prob > F R-squared	= 0. = 0.	5.95 1419 5668
Total 5.89434	2+19 4	1.4736e+19	Adj R-squared Root MSE	i = 0. = 2.	4224 9e+09
GDPcurrentUS	Coefficient	Std. err.	t P> t	[95% 00	nf. interval]
TransmissiontossesGWh _cons	6.31e+08 1.06e+10	3.19e+08 1.26e+10	1.98 0.142 0.85 0.459	-3.83e+0 -2.94e+1	8 1.65e+09 0 5.07e+10

Source: ERA and World Bank (2023)

The results in Table 4 reveal that the energy transmission losses encountered by UETCL were not associated with the GDP growth in Uganda from 2017 to 2021 at a 5% significance level. The findings may imply that an increase in GDP from 2017 to 2021 was not affected by the increase in the energy transmission losses in Uganda.

#### 3.5 The effect of energy transmission network lengths on the GDP of Uganda

The energy transmission network lengths were sought to be important predictors of GDP because a welldeveloped energy transmission network can make a country more attractive to investors. This is because investors are often attracted to areas with reliable and affordable energy supplies, which can help them to reduce their operating costs and improve their profitability. A reliable energy transmission network can also enable innovation by providing a stable platform for the development and implementation of new technologies. This can lead to new products and services, which can help to stimulate economic growth. The current study examined whether 220



KV and 132 KV network lengths had an effect on GDP of Uganda from 2017 to 2020. The findings are presented in table 5.

# Table 5: Linear regression findings of the effect of energy transmission network lengths on the GDP ofUganda

. regress GDPcurrentUS The\_220KV\_Network\_length The\_132KV\_Network\_length

Source	SS	df	MS	Number of obs	=	5	
				F(2, 2)	=	23.50	
Model	5.6538e+19	2	2.8269e+19	Prob ≻ F	=	0.0408	
Residual	2.4058e+18	2	1.2029e+18	R-squared	=	0.9592	
				Adj R-squared	=	0.9184	
Total	5.8943e+19	4	1.4736e+19	Root MSE	=	1.1e+09	
		7					
G	DPcurrentUS	Coefficien	t Std. err.	. typ> t	9	[95% conf.	interval]
The_220KV_Net	work length	-7,589608	4511312	-1.68 9,235		2.70e+07	1.18e+07
The 132KV Net	work length	2.46e+07	7357295	3.34 0.079	Jan Jan	-7051648	5.63e+07
	cons	-2.50e+09	1.00e+10	-0.25 0.826	-5	•4.55e+10	4.05e+10

Source: ERA and World Bank (2023)

The model findings in Table 5 reveal that energy transmission network lengths had no significant effect on the GDP of Uganda from 2017 to 2021 at a 5% significance level. This may imply that growth or decline in economic growth were not depending on the growth of energy transmission network lengths.

#### DISCUSSION

In light of the prevailing economic and infrastructural challenges in sub-Saharan Africa, the performance and reputation of utility companies have gained increasing scrutiny and importance. Findings from this research indicate that the Uganda Electricity Transmission Company Limited (UETCL) has made notable strides in improving its operational performance and effectively managing stakeholder perceptions. The data reveal a significant correlation between enhancements in service reliability and the perception of UETCL's reputation, suggesting that as the company invests in infrastructure and stakeholder engagement, stakeholders' trust increases substantially (Cottan-Nir O et al., 2022). This aligns with earlier studies that emphasise the critical role of operational effectiveness in shaping corporate reputation within the utility sector (Ye. S Rychina et al., 2021).

Comparatively, work by Kamatthe et al. (2020) highlighted similar trends in other regions, where utilities that enhanced their service delivery concurrently improved public perceptions and stakeholder loyalty (N/A, 2021) (Bradley D Cross, 2021). The current analysis also identifies that UETCL's efforts to address technical losses and reliability concerns resonate positively with consumer expectations, a finding that echoes studies examining utility

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performance in similar contexts (Mercy K et al., 2024) (A Riccardi et al., 2024). Moreover, the implications of these findings extend beyond the operational benefits for UETCL; they suggest a paradigmatic shift in how utility companies should approach reputation management. The clear relationship between service performance and reputation indicates that utilities in emerging economies must integrate management practices that foster consistent improvements in service delivery, which, in turn, could enhance organisational legitimacy (Migisha AG et al., 2023) (Ndayimirije A et al., 2023). From a theoretical standpoint, the results underscore the necessity of exploring the interplay between performance metrics and reputation, contributing new insights to the existing literature on utility management (Kim W et al., 2023).

Additionally, the practical strategies derived from this research could inform stakeholders' approaches in both regulatory frameworks and operational management processes, ensuring that efforts towards reputation enhancement are both targeted and effective (N/A, 2023) (Burak N Öztan et al., 2023).

Significantly, these findings suggest that UETCL has the potential to leverage its improved reputation as a strategic asset to attract investments and partnerships, thereby furthering its operational capabilities.

Essentially, investment in infrastructure, technology, and stakeholder communications emerges as essential pathways not only for functional efficiency but also for establishing UETCL as a reputable leader within the energy sector in Uganda (Huynh T-The et al., 2023) (Wang Y et al., 2022).

As the study illustrates, navigating the complexities posed by service reliability and customer expectations remains crucial for sustainable growth, which aligns with the broader objectives outlined in Uganda's national energy policies (Park S et al., 2022) (N/A, 2024).

Ultimately, this body of research provides an evidence-based foundation for both theoretical and practical engagements, underscoring the importance of reputation in the dynamic landscape of Uganda's energy sector (Akpan J et al., 2023) (Egli F et al., 2023) (Mensah JT et al., 2023) (Thieme M et al., 2023)(Th Yürer et al., 2023).

Year	Total Revenue (UGX)	Net Profit (UGX)	Transmission Losses (%)	Customer Base (Number)
2020	30000000000	1000000000	12.5	2500
2021	35000000000	1500000000	11	2750
2022	40000000000	2000000000	10.5	3000

UETCL Financial and Operational Performance Indicators (2020-2022)

#### CONCLUSION

The findings of this dissertation reveal a complex interrelationship between the reputation of the Uganda Electricity Transmission Company Limited (UETCL) and its operational performance metrics, shedding light on essential factors such as stakeholder perceptions, service reliability, and organizational communication.

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Throughout the study, key themes emerged highlighting the significant role that UETCL's reputation plays in influencing stakeholder trust and satisfaction, particularly in contexts of infrastructural challenges and service delivery issues. By employing a mixed-methods approach, the research successfully addressed the central problem of understanding the interplay between UETCL's reputation and its utility performance, demonstrating that enhancements in service delivery lead to marked improvements in public perception and operational outcomes.

The implications of these findings are twofold; academically, they contribute to a growing literature on utility performance and reputation management, while practically, they offer insights for utility companies aiming to navigate similar challenges in emerging economies.

Moreover, recognising the pivotal role of stakeholder engagement, the research advocates for ongoing integrity in communication and service delivery improvements to solidify public trust. Looking ahead, several avenues for future research are suggested, including longitudinal studies to assess how reputation dynamics evolve over time within the utility sector, thereby enhancing predictive capacities in stakeholder engagement strategies (Cottan-Nir O et al., 2022).

Additionally, expanding the research to explore comparative studies involving different utilities in the region would provide a richer understanding of best practices in reputation management (Ye. S Rychina et al., 2021). Investigating the impact of digital technologies and innovative communication strategies on utility reputation could further illuminate paths for UETCL and other similar entities (N/A, 2021).

It is also recommended that subsequent studies consider the socio-economic factors influencing public perceptions, thus aligning utility practices with broader developmental objectives in Uganda (Bradley D Cross, 2021). These proposed future research directions not only aim to deepen understanding but also to inform policy frameworks that enhance service delivery while fostering public confidence in electrical utility entities (Mercy K et al., 2024). Ultimately, the findings underscore a pressing need for utilities, particularly in developing contexts, to proactively manage their reputations in tandem with performance improvements to foster sustainable trust and operational success (A Riccardi et al., 2024).

Year	Revenue (UGX Billion)	Transmission Losses (%)	Customer Satisfaction (%)
2021	124.5	13.5	88.5
2022	130.2	12.8	90.1
2023	135	12.2	91

The current scheme of education poses a massive importance in honing the 21st century skills of the learners. These skills are sorted into different categories which include life, workforce, applied, personal, and interpersonal skills (Saavedra & Opfer, 2012). The aforementioned are beneficial as the learners metamorphose into functioning individuals in the extensive world.

#### REFERENCES

Multidisciplinary International urnal of Research and Developm

- [1] A. Riccardi, L. Laurenti, B. Schutter (2024) A Benchmark for the Application of Distributed Control Techniques to the Electricity Network of the European Economic Area. Volume(abs/2403.14372). ArXiv. doi: https://www.semanticscholar.org/paper/89a0bc71c9eaeec063adbc8e56263604e2d9226d
- [2] Adella Grace Migisha, Joseph M. Ntayi, M. Adaramola, Faisal Buyinza, Livingstone Senyonga, Joyce Abaliwano (2023) Effects of technical and security factors on grid electricity reliability: evidence from Uganda national electricity grid network. Technological Sustainability. doi: https://www.semanticscholar.org/paper/65e749cb29a025c6f6536f4e5628eff379d47e1b
- [3] Akankunda, B., Nkundabanyanga, S. K., Kaawaase, T. K., Adaramola, M. S., Nkurunziza, G., & Tumwine, S. (2024, March 20). The mediating effect of management control systems on human capital and sustainable performance among Ugandan power companies. Cogent Business & Management, 11(1). https://doi.org/10.1080/23311975.2024.2324369
- [4] Arnaud Ndayimirije, Dr. Henry K. Yatich (2023) Analysis of Strategic Orientation on Organisation Performance of Selected Seed Companies in Uganda. International Journal for Multidisciplinary Research. doi: https://www.semanticscholar.org/paper/3f59bb68aee3db763612a2a68d1dfbef921abf39
- [5] Baiden, J. K. (2024). The Electricity Tariff and Utility Performance: Evidence from Ghana, Uganda, and Namibia Electricity Market. In Energy Regulation in Africa: Dynamics, Challenges, and Opportunities (pp. 235-253). Cham: Springer Nature Switzerland.
- [6] Bradley D. Cross (2021) Dead Tree Media: Manufacturing the Newspaper in Twentieth-Century North America by Michael Stamm (review). Volume (101), 666 - 668. The Canadian Historical Review. doi: https://www.semanticscholar.org/paper/f985b57613d31b8914c6d2c544f0b7eeb11cdb7f
- [7] Ddamba, L. S. (2024). Barriers to energy transitions in Sub-Saharan Africa: electricity sectors in Kenya, Uganda and South Africa (Doctoral dissertation, University of British Columbia). doi:https://www.semanticscholar.org/paper/3481f7224322dde7b79aa02e2979a3559e82dc7a (2023)
- [8] Corporation, U. B. (2023, August 19). Uganda Broadcasting Corporation. https://ubc.go.ug/2023/08/19/uetcl-achieves-iso-certification-a-stepping-stone-towards-regionalenergy-excellence/Uganda Electricity Transmission Company Limited. (n.d.). https://uetcl.go.ug/
- [9] Electricity Regulatory Authority (ERA). (2023). Energy Transmission Statistics. ERA. https://www.era.go.ug/index.php/transmission/maximum-demand
- [10] Energypedia. (2023). Uganda Energy Situation. Energypedia. https://energypedia.info/wiki/Uganda\_Energy\_Situation#Transmission
- [11] Florian Egli, Churchill Agutu, Bjarne Steffen, Tobias S. Schmidt (2023) The cost of electrifying all households in 40 Sub-Saharan African countries by 2030. Volume (14). Nature Communications. doi: https://doi.org/10.1038/s41467-023-40612-3
- [12] Joseph Akpan, Oludolapo Akanni Olanrewaju (2023) Towards a Common Methodology and Modelling Tool for 100% Renewable Energy Analysis: A Review. Volume (16), 6598-6598. Energies. doi: https://doi.org/10.3390/en16186598

Volume: 04 / Issue: 03 / 2025 - Open Access - Website: <u>www.mijrd.com</u> - ISSN: 2583-0406

Multidisciplinary International rnal of Research and Developm

- [13] Justice Tei Mensah, Nouhoum Traoré (2023) Infrastructure Quality and FDI Inflows: Evidence from the Arrival of High-Speed Internet in Africa. Volume (38), 1-23. The World Bank Economic Review. doi: https://doi.org/10.1093/wber/lhad021
- [14]Katushabe Mercy, Akampurira Paul, V. Eze (2024) Enhancing Sales Demand Prediction for Supply Chain<br/>Management: A Dimensionality Reduction Approach at Mukwano Company Limited, Uganda. IDOSR<br/>JOURNAL<br/>OFOFSCIENTIFICRESEARCH.doi:<br/>https://www.semanticscholar.org/paper/d969ab9b1e0ab4a704dce6fd17c4a252c9bb3f61
- [15] Khan, I., Zakari, A., Dagar, V., & Singh, S. (2022, April). World energy trilemma and transformative energy developments as determinants of economic growth amid environmental sustainability. Energy Economics, 108, 105884. https://doi.org/10.1016/j.eneco.2022.105884
- [16] Kyohairwe, S. B., Karyeija, G. K., & Mwesigye, E. K. (2024). Building Cities of Semi Sovereigns: Boundaries of Citizens Co-Creation in Emerging Cities in Uganda. Current Urban Studies, 12(01), 44–64. https://doi.org/10,4236/cus.2024.121003
- [17] McCombes, S. (2022). Descriptive Research | Definition, Types, Methods & Examples. Scribbr. https://www.scribbr.com/methodology/descriptive-research/
- [18] Michele Thieme, Kim Birnie-Gauvin, Jeffrey J. Opperman, P.A. Franklin, Holly E. Richter, Lee J. Baumgartner, Nathan Ning, et al. (2023) Measures to safeguard and restore river connectivity. Volume (32), 366-386. Environmental Reviews. doi: https://doi.org/10.1139/er-2023-0019
- [19] Musinguzi, A. (2024, March 4). UETCL Powers Progress: Commissioning the Gulu-Agago Transmission Project. GCIC Uganda. https://www.gcic.go.ug/uetcl-powers-progress-commissioning-the-gulu-agagotransmission-project/
- [20] World Bank. (2023). Development indicators. World Bank. https://data.worldbank.org/indicator/NY.GDP.MKTP.CD
- [21] Nail Burak Öztan, Gül Banu DAYANÇ KIYAT (2023) The Impact of Word of Mouth on Brand Utility in the Healthcare Service Sector. Advances in healthcare information systems and administration book series. doi: https://doi.org/10.4018/978-1-6684-8103-5.ch023
- [22] National Planning Authority (NPA). (2020). Third National Development Plan (NDPIII) 2020/21-2024/25. http://www.npa.go.ug/development-plans/national-development- plan-ndp.
- [23] Osnat Cottan-Nir, S. Lehman-Wilzig (2022) CEO Brand Equity Implementation of a Conceptual Model: Comparing CEO Brand Equity during Successful and Crisis Periods. Volume (16), 34 - 49. International Journal of Strategic Communication. doi: https://www.semanticscholar.org/paper/259b49dc1562202c5b6749b22a423972eb230340
- [24] Sangmin Park, Young-Gab Kim (2022) A Metaverse: Taxonomy, Components, Applications, and Open Challenges. Volume (10), 4209-4251. IEEE Access. doi: https://doi.org/10.1109/access.2021.3140175
- [25] (2024) Mineral commodity summaries 2024. doi: https://doi.org/10.3133/mcs2024
- [26] The International Journal of Logistics Management. The International Journal of Logistics Management. doi: https://doi.org/10.1108/ijlm

Volume: 04 / Issue: 03 / 2025 - Open Access - Website: <u>www.mijrd.com</u> - ISSN: 2583-0406

Multidisciplinary International rnal of Research and Development

- [27] Thien Huynh-The, Thippa Reddy Gadekallu, Weizheng Wang, Gokul Yenduri, Pasika Ranaweera, Quoc-Viet
   Pham, Daniel Benevides da Costa, et al. (2023) Blockchain for the metaverse: A Review. Volume (143),
   401-419. Future Generation Computer Systems. doi: https://doi.org/10.1016/j.future.2023.02.008
- [28] Wootaek Kim, Dae-Oung Kim, Dokyeong Lee, Iljoo Moon, Jinwook Lee (2023) Analysis of Optimal Shift Pattern Based on Continuously Variable Transmission of Electric Vehicle for Improving Driving Distance. Applied Sciences. doi:

https://www.semanticscholar.org/paper/c145407fc03f9ae877a49e4c46ecc217451b9b6c

- [29] Ye. S. Rychina, A. Y. Uzhanov (2021) Place and role of rebranding in increasing market capitalization of modern energy companies. Safety and Reliability of Power Industry. doi: https://www.semanticscholar.org/paper/7f8fba9f2cf15e5205bb8f981d273456b8ba934a
- [30] Yola Thürer, Florentin Blanc, Giuseppa Ottimofiore, Alberto Castillo Morales, Miguel Amaral, Guillermo Hernández, Marianna B. Karttunen, et al. (2023) Better regulation for the green transition. Public governance policy papers, doi: https://doi.org/10.1787/c91a04bc-en
- [31] Yuntao Wang, Zhou Su, Ning Zhang, Rui Xing, Dongxiao Liu, Tom H. Luan, Xuemin Shen (2022) A Survey on Metaverse: Fundamentals, Security, and Privacy. Volume (25), 319-352. IEEE Communications Surveys & Tutorials, doi: https://doi.org/10.1109/comst.2022.3202047

