

**EFFECTS OF ARTIFICIAL INTELLIGENCE ON ORGANIZATIONAL
PERFORMANCE IN KENYAN HOSPITALITY INDUSTRY.A CASE STUDY OF
ROBOT CAFÉ KILELESHWA NAIROBI**

SIMEON ARIGA NYAKUNDI

**A RESEARCH PROJECT SUBMITTED TO THE SCHOOL OF MANAGEMENT
AND LEADERSHIP IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR
THE AWARD OF THE DEGREE IN BACHELOR OF MANAGEMENT AND
LEADERSHIP OF THE MANAGEMENT UNIVERSITY OF AFRICA**

OCTOBER 2025

DECLARATION

This research project is my original work and has not been presented for a degree in this or any other university

Signature..... Date.....

SIMEON ARIGA NYAKUNDI

BML/39/01389/3/24

This Research project will be submitted for examination with my approval as University Supervisor.

Signature..... Date:

DR. FREDRICK.K. MALUKI, PHD

THE MANAGEMENT UNIVERSITY OF AFRICA

DEDICATION

This project is dedicated to my beloved Mother and Father, Jane Nyakundi and Evans Nyakundi that they live to see their son succeed in his pursuit of a successful academic journey.

ACKNOWLEDGEMENT

I would like to give thanks to the Almighty God for giving me good health, strength, resilience, and the ability to go through my studies at the Management University of Africa. Special thanks to my supervisor Mr. Fredrik Maluki for unwavering support throughout this journey all the way, without whom this project would have been an uphill task to do. I am grateful to Israel Ngoma of Robot Café, who connected me to a team at the hotel which facilitated the success of the study.

ABSTRACT

The main objective of the research is to evaluate the effects of artificial intelligence on organizational performance with a specific reference to Robot Café in Kileleshwa Nairobi County. The specific objectives are as follows: assess the effect of AI on operational efficiency; evaluate the impact of AI-specific employee training on performance; analyze the influence of AI on customer experience; and determine how AI contributes to competitive advantage within the Kenyan hospitality sector. Descriptive research design was used. A stratified random sampling method was used in collecting data. The target population was 350 employees. A sample size of 35 employees was used for the purpose of this study. A questionnaire with both open- and closed-ended questions was used. The findings was presented in tables, graphs and pie charts where appropriate. The findings helped the top management of the hotel to develop a policy framework on the use of Artificial Intelligence to suit the employees and customers of the hotel. The findings was useful to future researchers who will benefit immensely as they will be able to interact with the document and identify research gaps if any.

Table of Contents

DECLARATION	ii
DEDICATION	iii
ABSTRACT	v
LIST OF TABLES	viii
LIST OF FIGURES	viii
DEFINATION OF TERMS	ix
CHAPTER ONE	1
1.0 Introduction	1
1.1 Background of the study	1
1.2 Statement of the problem	4
1.3 Objectives of the study	6
1.4 Research Questions	6
1.5 Significance of the study	7
1.6 Scope of the study	8
1.7 Chapter Summary	8
CHAPTER TWO	9
LITERATURE REVIEW	9
2.0 Introduction	9
2.1 Theoretical Literature review	10
2.2 Empirical Literature review	16
2.3 Conceptual framework	27
2.4 Operational variables	27
2.5 Summary	29
CHAPTER THREE	30
RESEARCH DESIGN AND METHODOLOGY	30
3.0 Introduction	30
3.1 Research design	30
3.2 Target population	31
3.3 Sample and sampling Technique	32

3.4 Data Collection Instruments	33
3.5 Pilot study	34
3.6 Data Collection Procedure	36
3.7 Data Analysis Presentation	37
3.8 Ethical Considerations	37
3.9 Chapter Summary	39
CHAPTER FOUR.....	40
DATA PRESENTATION, ANALYSIS AND INTERPRETATION	40
4.0 Introduction.....	40
4.1 Presentation of Research Findings.....	40
4.2 Limitations of the study	46
4.3 Chapter summary	47
CHAPTER FIVE	48
SUMMARY, RECOMMENDATIONS AND CONCLUSIONS	48
5.0 Introduction.....	48
5.1 Summary of Findings.....	48
5.2 Recommendations.....	49
5.3 Conclusion	53
REFERENCES.....	55
APPENDIX II: RESEARCH STUDY QUESTIONNAIRE.....	61

LIST OF TABLES

Table 1: Table Showing the Research Target Population.....	31
Table 2: Table Showing the Research Study Sample Size.....	33
Table 3: Effects of AI on Operational Efficiency at Robot Café (n = 32)	41
Table 4: AI-Specific Training and Organizational Performance (n = 32).....	42
Table 5: Customer Experience Ratings Following AI Adoption	44
Table 6: AI and Competitive Advantage at Robot Café (n = 32).....	45

LIST OF FIGURES

Figure 1: Conceptual Framework	27
--------------------------------------	----

DEFINATION OF TERMS

Artificial Intelligence (AI)

Artificial Intelligence refers to computer-based systems capable of performing tasks that normally require human intelligence, such as learning, reasoning, decision-making, and problem-solving. In this study, AI refers to robotic service systems, automated ordering, and intelligent customer interaction technologies used at Robot Café. (Russell & Norvig, 2021)

Service Robots

Service robots are autonomous or semi-autonomous machines designed to perform services for humans in non-industrial environments. In this study, service robots are those used to serve customers and support operations at Robot Café. (Wirtz et al., 2018)

Operational Efficiency

Operational efficiency refers to the ability of an organization to deliver services using minimal resources while maintaining speed, accuracy, and quality. In this study, it relates to how AI improves service speed, accuracy, and cost control at Robot Café. (Slack et al., 2016)

Organizational Performance

Organizational performance refers to how well an organization achieves its objectives in terms of productivity, efficiency, service quality, customer satisfaction, and competitive

position. In this study, it focuses on performance outcomes influenced by AI adoption. (Richard et al., 2009)

AI-Specific Employee Training

AI-specific employee training refers to structured programs aimed at equipping employees with skills to operate, supervise, and collaborate with AI technologies. In this study, it refers to training provided to Robot Café staff to work effectively with AI systems. (Bessen, 2019)

Human–AI Collaboration

Human–AI collaboration refers to the interaction between human employees and AI systems where both complement each other in performing tasks. In this study, it involves employees managing and supporting AI-driven service delivery. (Davenport & Kirby, 2016)

Customer Experience

Customer experience refers to customers' overall perceptions formed through interactions with services, technology, and service environments. In this study, it relates to customer perceptions of AI-driven services at Robot Café. (Lemon & Verhoef, 2016)

Technology–Organization–Environment (TOE) Framework

The TOE framework is a theory explaining technology adoption based on technological characteristics, organizational readiness, and environmental factors. In this study, it is used

to explain AI adoption and its effects on performance at Robot Café (Tornatzky & Fleischer, 1990)

Resource-Based View (RBV)

The Resource-Based View is a strategic theory that explains how organizations gain competitive advantage through valuable, rare, inimitable, and non-substitutable resources. In this study, AI technologies and employee capabilities are viewed as strategic resources. (Barney, 1991)

Competitive Advantage

Competitive advantage refers to an organization's ability to outperform competitors by delivering superior value, lower costs, or differentiated services. In this study, it refers to advantages gained through AI adoption in the Kenyan hospitality sector. (Porter, 1985)

CHAPTER ONE

1.0 Introduction

This section deals with the general introduction to the study. This includes background of the study, statement of the problem, objectives of the study, research questions, significance of the study, limitations of the study and conceptual framework.

1.1 Background of the study

Artificial intelligence is traced back to the fourth industrial revolution, a gradual shift characterized by the integration of digital, biological and physical technologies (Schwab, 2016). Artificial Intelligence is fundamental to the fourth industrial revolution, fundamentally altering competitive business space by enabling machines to perform tasks such as reasoning, learning and problem solving. (Makridakis, 2017).

The global hospitality industry, a sector heavily dependent on human capital, is now required to adapt to this new technological transformation so as to align the rendering of its services to this new technology, "As Ivanov and Webster (2021) argue, The Millennials and Gen Z generation are modern travelers who demand unprecedented levels of efficiency and seamless service, thus pressuring traditional hotels to innovate or risk obsolescence". These frequent technological changes and customer expectations form the main problem this study will aim to address, understanding how AI translates from a global trend into measurable organization performance with a specific context of improving services in the hospitality industry.

Globally AI has transitioned from being a speculative technology among global partners, to a valuable strategic asset in the hospitality industry. Its application is wide, thus impacting every aspect of guest journey and back-end operations. “A recent global survey by IBM (2022) found that 85% of retail and consumer products executives, including those in hospitality believe that AI will give a competitive advantage to Industries that integrate it into its day-to-day activities”.

“AI offers operational efficiency and effective revenue management by having dynamic pricing tool that analyze market demand, competitor rates and even weather forecasts to optimize room pricing in real-time thus directly boosting Revenue Per Available room (Ivanov et al., 2021),” furthermore AI is transforming energy management and predictive maintenance hence leading to significant cost reduction (Invanov & Webster ,2021).

“Guest experience has been enhanced by AI chatbots which provide instant, 24/7 customer service, handling inquiries and bookings across different languages, this significantly improves response times and customer satisfaction (Mariani et al., 2023). Personalization engines analyze guest data to create a tailored experience, from room preferences to activity recommendations thus fostering loyalty and increasing revenue (Kumar et al., 2020).”

The Kenyan hospitality industry is a key economic driver and a recipient of foreign and direct investment, this results from foreign exchange which boost the country’s economy and in turn creates employment. (World Bank, 2023). The country has earned a reputation as the hub for technological adoption within Africa, for example (M-PESA), which has created mobile banking and cashless money transfer solutions to the Kenyan population

(GSMA, 2023). This technological potential has been boosted further by the innovation of AI.

Talent and workforce management has been enhanced by AI contrary to the perspective that it has displaced jobs, AI is seen as a tool for making work easier for the human workforce, because it automates repetitive tasks allowing staff to focus on high value guest interactions. “McKinsey & company (2023) notes that AI can automate upto 30% of hours worked in customer service and support roles, redefining rather than replacing the human hospitality workforce.”

“Recent studies done in African have found out that AI adoption in Africa’s service sectors is accelerating, this is driven by the need for efficiency and improved customer engagement. (Ogunmola, 2023). In Kenya, the government has developed a Digital Masterplan 2022-2032 which advocates for the use of emerging technologies, including AI across all economic sectors to drive digital transformation and economic growth. (Government of Kenya, 2022).”

“The Local hospitality industry in Kenya distinct challenges, Ndemo and Weiss (2023) in their analysis of digital entrepreneurship in Kenya, highlight that innovation is high though established SMEs like local hotels find it difficult to integrate AI technology due to high costs, skills gap in data science and AI management, and unreliable digital Infrastructure in some regions.”

1.1.1 Robot café Nairobi

The Robot café is situated in Kileleshwa Nairobi, it is the first hotel in East Africa to introduce robots which serve as waiters, it was established by a young and elegant entrepreneur Mohammad Abass who was inspired to bring the technology to his motherland after experiencing its services during his tour in Asia and Europe.

Despite having robotic waitresses, Mohammad Abbas has employed a significant amount of human work force consisting of 50 chefs, 200, room attendants and another 100-support staff totaling 350 employees. This gesture has helped to cool off criticism from the general public that the café is solely focused on integrating technology instead of providing jobs to the youth.

Due to its seamless and quality service it renders to its customers, it has received a four-star rating hence has a great reputation amongst the general public, it is a well-equipped café with amenities such as bars, restaurants, swimming pool, and conference facilities.

1.2 Statement of the problem

The hospitality industry is undergoing a massive transformation driven by the adoption of Artificial intelligence (AI) and robotics. The emergence of this trend is driven by the introduction of Robotic cafes, key functions such as order taking, payment processing and beverage preparation are fully automated. “In developed countries, such establishments are credited for their operational efficiency and ability to address labor shortages (Ivanov & Webster 2021).” However, developing countries in Africa, with distinct socio-cultural,

economic, and infrastructure remain unexposed to this latest technology hence hindering its implementation to the fullest.

Nairobi the hub of technological innovation in Africa has recently seen the introduction of robotic cafés, while such ventures attract media attention and customer curiosity, there is a significant research gap when it comes to assessing their operational viability and broader impact. Though automation enhances customer service efficiency, a key concern arises on customer adaptation to the technology, for example, the loss of human touch that is occasioned while being served by a robotic waitress instead of a female waitress especially for the male gender which can lead to resistance from male customers. Though AI is efficient it might pose a risk of job losses hence create a surging rise of unemployed youth; this scenario could potentially lead to higher unemployment and social challenges, indirectly impacting the country's attractiveness to tourists.

This study addresses the knowledge gap on AI based systems in the hospitality industry. The challenge is the absence of a structured analysis on the effects of robotic automation on organizational performance and customer reception of cafes in Nairobi. In the absence of this investigation, entrepreneurs' investors and policy makers lack evidence-based insights needed to make informed decisions about the adoption, scaling and regulation of such advanced technology.

This research is necessary to determine the viability, challenges and overall impact of robotic cafes in Nairobi Kenya.

1.3 Objectives of the study

1.3.1 General Objective

The main objective of the research is to evaluate the effects of artificial intelligence on organizational performance.

1.3.2 Specific objectives

- i) To assess the effects of AI on operational efficiency, at the Robotic café.
- ii) To evaluate the impact of AI-specific employee training on organizational performance, at The Robotic Cafe.
- iii) To analyze the influence of AI on customer experience, at The Robotic café.
- iv) To determine how AI contributes to competitive advantage within the Kenyan hospitality sector.

1.4 Research Questions

- i) How does AI affect operational efficiency, at the Robot Café?
- ii) What is the effect of AI-specific employee training on organizational performance, at The Robot Café?
- iii) What is the effect of AI influence on customer experience?
- iv) How does AI contribute to competitive advantage within the Kenyan hospitality sector?

1.5 Significance of the study

This study on the impact of Artificial intelligence on organizational performance is significant and justified as it provides relevant solutions for the stakeholders in the hospitality industry within the Kenyan context and broader ICT community. The findings are beneficial in the following ways;

The top management of Robotic café are able to identify flaws in their service systems, make the relevant changes which enables them to improve their systems, AI though reliable it can sometimes fail to deliver the desired results due to outdated systems and inadequate training of employees. This study helps to guide the top management to make sound and informed decisions concerning AI in the hospitality industry.

AI developers and Technological providers are able to uncover specific consumer needs and gauge the readiness levels of the hospitality industries to integrate AI in its services, this is critical in gathering market intelligence, knowing customer trends and gauging customer satisfaction.

Policy makers and Regulators such as the ministry of ICT are able to develop a policy framework that guides the hospitality industry on the use of AI, the rapid adoption of AI poses a significant challenge in its implementation including data privacy and algorithmic bias. The results of this study informs policy makers in crafting viable regulations to regulate the responsible use of AI in the hospitality industry.

Academic scholars and researchers benefit immensely from this study because it provides broad knowledge about AI, this is achieved as the study provides an empirical context on

the implementation of AI and the benefits it brings to the hospitality Industry in Kenya. Also, as they interact with the document, research gaps may arise, thus triggering interest for further research.

1.6 Scope of the study

The research is undertaken in The Robotic café in Kileleshwa Nairobi. The hotel has 6 departments with a sizable employee population of 350 in both management and the union. The research is mainly focused on the issue related to Artificial intelligence. The sample is taken from the entire senior management and all the union employees. The study is scheduled for the month of September 2025, from 10th to 29th September which is adequate to collect the necessary information for the study. Only 35 members of staff are selected from both top management and union staff.

1.7 Chapter Summary

Artificial intelligence is critical in the day-to-day operations of the hospitality industry in Kenya. The chapter has delved into the aspect on of AI into hospitality industry operations, Identified the problem and study objectives, research questions, scope of the study and how the research is significant to the robotic cafe and others.

CHAPTER TWO

LITERATURE REVIEW

2.0 Introduction

“A literature review can be defined as an evaluation report of studies and publications relevant to a selected area of research. It involves summarizing, synthesizing and the critical assessment of existing knowledge to build a theoretical foundation in order to shape relevant approaches to research (Snyder, 2019).” “By engaging with previous studies, researchers can base their studies within a broader academic context to support and justify their research projects. This process is necessary because it highlights contribution of earlier scholars and identifies research problem (Mengist et al., 2020).” “Garrard (2022) notes that literature review serves as the foundational chapter that provides both background and justification for the study being undertaken.” Effects of Artificial intelligence on organizational performance which in turn enhances productivity and Improves quality of service to customers in the hospitality industry has not been fully exhausted, there is an urgent need to focus on this area in order to get good customer reviews and boost the organizations reputation both locally and internationally.

The literature review forms part of the study thesis. “This chapter consist of individual studies that examines relationships, identifies new research approaches and highlight gaps or contradictions in the existing literature (Cronin &George, 2023).” In doing so, it not only clarifies previous inconsistencies but also paves the way for future research.

The chapter first presents a theoretical review, introducing key theories to explain the link between AI adoption and organizational performance. This is followed by an empirical review, which examines recent global and local studies on the use of AI, in the hospitality industry, analyzes key variables and identifies research gaps within the Kenyan context.

2.1 Theoretical Literature review

In the hospitality sector, which depends on productivity, customer pleasure, staff skills, and competitive advantage, artificial intelligence (AI) is having a major impact on organizational performance. Businesses like Robot Café in Nairobi, which uses robotic service, automated ordering, and intelligent client interactions, demonstrate how AI integration is just getting started in Kenya. AI has the potential to boost productivity and service quality, but its actual effects depend on a number of variables, including customer perceptions, employee training, technological uptake, and strategic application inside businesses. In order to understand these dynamics, this theoretical literature review uses the Technology Organization Environment (TOE) paradigm in conjunction with Resource-Based View (RBV), Human Capital Theory, Diffusion of Innovation Theory, and Dynamic Capabilities Theory.

2.1.1 Technology Organization Environment (TOE) Framework

Tornatzky and Fleischer developed the Technology Organization Environment (TOE) paradigm in 1990. It describes the complex dynamics affecting how companies adopt and use technological advancements. It asserts that the interaction of three crucial contexts the technological context, which includes all available technologies; the organizational context, which refers to the internal structures and procedures within the organization; and

the environmental context, which includes external elements like competition and market trends determines the efficacy and performance of technological adoption. This paradigm is essential for the hospitality sector since successful technology integration necessitates a strategic alignment with current service procedures, personnel competencies, and market competition. Organizations looking to boost their technology-driven performance in the face of increasing competition must understand how these elements are interrelated.

The main features of artificial intelligence (AI) systems, such as automation, dependability, flexibility, and a powerful capacity for handling massive amounts of data, are included in their technological context. A variety of AI technologies from automated ordering systems to service robots play a major part in improving operational procedures in certain applications, such as hospitality establishments like Robot Café. These technologies improve service delivery's precision, speed, and consistency. As a result, by successfully lowering service delays, lowering the possibility of human mistake, and promoting continuous service availability, their deployment improves operational efficiency. This AI integration in the hotel industry is a prime example of how technology is changing conventional service methods.

The organizational context highlights internal elements that are essential for the effective adoption of AI, such as corporate culture, leadership support, employee skills, and training. AI integration changes job responsibilities and work processes, making it necessary for employees to properly oversee, manage, and cooperate with intelligent technologies. However, companies might not be able to take advantage of AI's potential advantages if they are not well prepared and trained. According to the Technology Organization Environment (TOE) architecture, companies with supportive management structures and

robust learning cultures are more likely to see positive performance results when implementing AI technology.

The Kenyan hotel industry's environmental context encompasses important external issues including competitiveness, client expectations, and technology advances. Hospitality businesses are under increasing pressure to incorporate artificial intelligence (AI) into their operations due to the increased need for quick, creative, and customized services. Early adopters of AI, such as Robot Café, may gain a competitive edge by improving their reactivity to these external constraints and distinguishing their offerings. As a result, the Technology Organization Environment (TOE) paradigm provides a thorough analytical tool for investigating how AI affects organizational performance in the hospitality sector.

2.1.2 Supporting Theories

Resource-Based View (RBV)

According to the Resource-Based View (RBV), companies may continue to function at a higher level by obtaining and making efficient use of resources that are uncommon, precious, unique, and non-replaceable. Artificial intelligence (AI) technology, proprietary data, and the ability to incorporate AI into service delivery procedures are important strategic resources in the hotel industry. For example, when Robot Café effectively integrates AI systems, these technologies become assets that improve performance. Because of the related high expenditures, the need for technical knowledge, and the steep learning curves involved, it might be difficult for rivals to reproduce such developments. Thus, by describing how the implementation of AI adds to long-term organizational

performance and a competitive advantage, RBV strengthens the Technology-Organization-Environment (TOE) paradigm.

Human Capital Theory

According to human capital theory, employees' knowledge, abilities, and training have a big impact on an organization's success and production. Artificial intelligence integration in the hospitality sector does not eliminate the need for human labor; rather, it calls for a change in their duties. To properly run, oversee, and interact with AI systems, employees must get specialized training. This idea states that investing in AI-focused training improves workers' abilities, reduces resistance to new technology, and increases overall job performance. Employees at Robot Café who are taught to interact with AI systems effectively contribute to better organizational outcomes, simpler processes, and higher service quality, highlighting the crucial interaction between technology and human capital investment in the workplace.

Diffusion of Innovation Theory

Rogers' 2003 Diffusion of Innovation Theory offers a framework for comprehending how new technologies spread throughout diverse organizational and industrial environments. Key factors that influence technology adoption, such as perceived utility, usability, and relative advantage, are central to the approach. The opinions of managers, staff, and clients have a big impact on the adoption of AI in the hotel industry. One noteworthy example is Robot Café, which has included robotic services, demonstrating a creative strategy and becoming a trailblazer in the Kenyan hospitality sector. By clarifying how organizational and individual perceptions impact the effective integration of AI technologies and their

subsequent effects on performance, the Diffusion of Innovation Theory enhances the Technology-Organization-Environment (TOE) paradigm.

Dynamic Capabilities Theory

The theory of dynamic capabilities looks at how businesses successfully integrate, reorganize, and modify their resources in response to environmental changes. In light of artificial intelligence (AI), which greatly expands these dynamic capabilities, this hypothesis is becoming more and more pertinent. AI promotes service innovation, quick decision-making, and real-time data analysis, especially in sectors like hospitality that undergo quick changes. Businesses are better positioned for long-term high performance when they use AI to align with customer preferences and adjust to market developments. Robot Café is an example of this application, where AI plays a key role in fostering ongoing innovation in the provision of services. This helps the company to remain competitive and flexible in the face of changing market demands.

2.1.3 Linkage of Theoretical Literature to Research Questions

i) AI and Operational Efficiency at Robot Café

Artificial Intelligence (AI) has a significant role in improving organizational operational efficiency, as demonstrated by the technical context of the Technology Organization Environment (TOE) paradigm. In particular, AI makes it easier to automate a number of repetitive processes, such as order processing, service delivery, and billing. Numerous advantages result from the integration of AI systems, including shorter customer wait times, more operational accuracy, and more efficient use of resources. This viewpoint is

reinforced by the Resource-Based View (RBV), which presents AI systems as useful operational resources that greatly increase productivity. According to this resource-centric perspective, businesses that use AI can gain a competitive edge because of improved operational skills. The significance of AI in promoting ongoing process improvement is further explained by the Dynamic Capabilities Theory. It suggests that AI gives businesses like Robot Café the flexibility they need to swiftly adjust to shifting operational requirements and variations in client flow. All things considered, the complementarity of these theoretical frameworks highlights the vital role AI technologies play in contemporary corporate settings, encouraging efficiency and agility.

ii) AI-Specific Employee Training and Organizational Performance

The organizational context of the TOE framework highlights the importance of employee training. According to Human Capital Theory, artificial intelligence (AI) focused training not only improves employee abilities but also promotes their confidence and productivity, leading to a notable improvement in organizational performance. Furthermore, according to the Resource-Based View (RBV), an AI-savvy workforce is a special and challenging asset. In the end, this capacity gives Robot Café a competitive edge in the market by strengthening internal performance indicators and the caliber of services provided.

iii) AI Influence on Customer Experience

According to the technological Organization Environment (TOE) framework's technological viewpoint, AI improves customer experience through increases in service speed, consistency, and customization. The Diffusion of Innovation Theory further clarifies how consumer pleasure and loyalty are significantly impacted by the uptake of AI driven

services. Furthermore, according to the Resource-Based View (RBV), Robot Café's improved AI-enabled customer experience is a strategic asset that improves client retention and fortifies the company's reputation.

iv) AI and Competitive Advantage in the Kenyan Hospitality Sector

The Technology Organization Environment (TOE) framework's environmental context clarifies how competitive forces affect the use of artificial intelligence (AI) as a corporate differentiation strategy. Together, the Resource-Based View (RBV) and Dynamic Capabilities Theory show how AI technologies may give businesses a long-term competitive edge when combined with organizational learning and adaptability. In this regard, Robot Café is a prime example of the use of AI as it has become a cutting-edge market leader in Kenya's hospitality industry. By boosting operational effectiveness, fostering service innovation, and eventually raising customer happiness, Robot Café is able to outperform its competitors thanks to the strategic use of AI, establishing a prominent place in a cutthroat market.

2.2 Empirical Literature review

An empirical literature review examines previous studies and factual evidence that relate directly to the variables under investigation. This study will seek to analyze previous research concerning the of artificial intelligence, its associated training procedures, its impact on customer experience, and its role in gaining a competitive advantage. All based on organizational performance in the hospitality industry.

2.2.1 AI on Operational Efficiency in the hospitality industry

In the highly competitive hospitality industry, organizations are relentlessly seeking methods to optimize their operations and improve efficiency. The adoption of Artificial Intelligence has emerged as a preferred strategy, yet it does not come without challenges. For organizations would like to know their potential and wish to dominate the hospitality industry, “The use of AI for operational efficiency remains a non-negotiable option. Ambitious companies that seek to maximize profitability and market share, cannot avoid the challenge of integrating intelligent systems to streamline their key processes (Ivanov & Webster, 2019).”

In their previous research, “Pillai and Sivathanu (2020) sought to identify the key operational variables that are highly impacted by AI adoption from a sample of hotel managers across Europe and Asia. The variables included for the study were front-office operations which include (check-in and check-out procedures), back-office logistics which include (inventory management and staffing), energy consumption management, predictive maintenance, revenue management (dynamic pricing), and food and beverage operations. The study results revealed a strong belief that there has been improvement across all services for example, food and beverage quality has improved, and energy management is efficient. From this research they reached a conclusion that AI is not only a reliable but a critical pillar when it comes to day-to-day operations in the hospitality industry, AI will enable managers in the hospitality sector to make timely and well-informed decisions.”

The study also concluded that AI relieves the human workforce from highly tedious tasks such as, responding to online customer inquiries, conduct surveys to gauge the level of customer satisfaction and to harmonize financial records so as to avoid errors that might be done by accountants due to fatigue while creating balance sheets and profit and loss account. Therefore, hospitality industry actors should implement a phased strategy, prioritizing areas with high investment return and employee acceptance. “Similar, Tuomi et al. (2021) which based its study on algorithmic management in hotels, found that AI programmed scheduling systems reduced labor costs by an average of 15% by optimizing staff levels against predicted occupancy. However, a lack of transparency in how the algorithms made decisions was identified thus led to dissatisfaction among employees.”

Some of the recommendations the researcher proposed to the management were; to establish clear communication channels about how AI tool’s function, involve employees in the implementation process and continuously monitor the system for biases to fully realize operational benefits without eroding employee trust.” Tussyadiah et al. (2021) sought to identify from travelers the AI- enabled variables that they value the most. The variables included for the study were personalized recommendations, seamless check-in and check-out protocols, AI-powered in-room controls, chatbot responsiveness, predictive service for customer need anticipation and post – stay engagement. The study results revealed a high valuation of convenience and personalization: seamless check-in/out with 95% satisfaction, personalized recommendation with 80%, AI room controls with 75%, chatbot responsiveness with 70% and post-stay engagement with 60%. From the research, a conclusion was reached that customers appreciate efficiency during service delivery, the

purpose of AI is to remove friction and create a unique tailored experience that make guests feel recognized and valued.”

The study also concluded that customer service experience is a key determinant for the reputation and positive rating of the company, and AI is responsible for managing a huge amount of customer data by conducting a comprehensive analysis of customer feedback from online surveys. This data will enable the senior management in the hospitality industry to take remedial measures to address customer complaints and suggestions. Furthermore, customer data should be guarded to prevent cases of identity theft, prevent victimization of customers who give negative feedback and also shield customer financial transactions from scammers who might target innocent and gullible customers, so as to steal their personal data such as; credit card pins, identification card numbers and mobile money pin codes for example M-pesa pin numbers. If scammers access this crucial information, they will be able to steal money from innocent customer account thus, making them lose trust in digital financial systems.

2.2.2 Impact of AI-Specific employee training on organizational performance

The successful deployment of artificial intelligence is highly dependent on human work force who are tasked with its operation and management. However, in most organizations, it is not easy to be certain which training methods are most effective for equipping a workforce for human-AI collaboration. “Nonetheless, for organizations that know and are willing to thrive, investing in targeted AI specific training remains the preferred option to ensure technological adoption translates into performance (Prentice & Nguyen, 2021).”

“Liang et al. (2023) did research which sought to identify from hospitality employees the key components of AI training that could likely influence their proficiency and confidence. The variables included for study were: Technical skills training on how to use the software, analytical skills training based on interpretation of AI generated data, soft skills training for the adaptation of new workflows, ethical training mainly based on understanding of data privacy and change management support so as to address fears from the human work force of being replaced by AI systems.” The study results revealed a strong preference for comprehensive training: analytical skill with 88% of respondents rating it as critical, soft skills and change in management with 75%, technical skills with 70%, and ethical training with 65%. From the research, they reached a conclusion that training must move beyond IT skills training so as to create a deeper understanding of the importance of AI thus, making employees feel more empowered rather than replaced.

Some of the recommendations by researcher proposed are; the management should establish continuous learning pathways, so as to encourage employees to take advantage of the opportunities for certification by AI professional bodies, and directly link training completion to performance incentives and career advancement opportunities. This will help keep their employees engaged and proficient.

“Ukpabi et al. (2023), did research which identified that the perceived usefulness and ease of use of an AI tool is directly shaped by the quality of training received. The author also found out that the lack of training on the use of AI tools brought anxiety and resistance to the use of AI tools in the day-to-day management in the hospitality industry.”

“Tussyadiah and Miller (2022) did a study based on AI rollout on major hotels in Europe, identified that hotels that implemented a mandatory training on the use of AI tools, saw a 40% higher employee adoption rate and 15% greater improvement in guest satisfaction scores.”

“Kim et al. (2023): did research focusing on AI powered inventory management system in restaurants, in his findings, AI inventory management systems reduced food wastage by 22%, this was made possible through a precise demand forecasting and automated stock ordering, thus directly boosting profitability.”

“Luo et al (2023) did a researched on AI housekeeping operations, using IoT sensors to track room cleanliness status which in turn optimized cleaning routines, this resulting in a 20% reduction in room turnover time and 30% reduction in guest complaints related to hygiene standards.”

2.2.3 Influence of AI on customer experience in the hospitality industry

The main aim of enhancing operational efficiency and training employees is to elevate customer experience, which defines the hospitality industry. In today’s digital environment, customer expectations are higher than ever, and it is not easy to be sure which technologies genuinely enhance customer experience. “However, for organizations that seek to attract and keep loyal customers, integrating AI on service delivery systems is no longer a luxury but a necessity (Kumar et al., 2021).”

“Tussyadiah et al. (2021) did research that sought to identify customer preference on either traditional or modern hotels, and during their field study, most customers preferred modern

hotels over traditional hotels, because traditional hotels were slow on customer service as most work was done manually as opposed to modern hotels which took orders from customers using computerized systems which are more efficient. In the process of their research, they conducted a survey among staff who worked in the hospitality industry and customers on their preference on inclusion of AI automated service system, Top management had an approval rating of 90 %, Middle level management 87%, supporting staff 85% and customers 80%. These results show a strong support in the adoption of automated AI systems during service delivery in the hospitality industry.”

Some of the recommendations the researcher proposed that, top management should invest heavily on the deployment of AI systems, this can be achieved during the budget making process and subsequent approval during annual general meeting. An increase of IT personnel was also recommended as it will boost the capacity of hotels to manage AI systems, these systems require highly qualified and proficient personnel who understand ways on how to improve and manage the systems, so as to avoid hiccups such as down time which in turn might ruin the customer experience while using the AI automated systems. The acquisition of the latest software is crucial to the smooth running of AI automated systems, as outdated software might not be compatible hence bringing up system glitches, this severely hinders systems performance making AI systems inefficient.

AI systems have been programmed in multi-lingual approach giving it the capacity to interpret different variety of languages across the world, for example, if a German tourist visits Kenya and decides to check in a 5-star hotel and in the unfortunate event there are no German to English interpreters, an AI integrated software such as google lens can easily

translate and interpret from one language to the other for both the customer and the waiter, hence ensuring smooth efficient service.

Worldwide online booking of hotels has been made possible by online AI systems as the customer is not required to travel to the country and physically book hotels, modern payment systems such as Skrill, PayPal, Mastercard and M-pesa has made hotel booking transactions much secure, easier and efficient. The rating of hotels can be done online by conducting reviews, for example in the google play store which hosts various android and apple applications, enable the customers to rate the apps and also leave comments on after the reviews, through this, prospective customers can go through the comments and rating so as to make an informed decision on the hotel they are about to choose for their stay during their visits they make in various countries.

Verification of hotel compliance has been made possible by AI systems, for example in Kenya, county governments are mandated to carry out checks in hotels through the health department officers, these officials are mandated to check the level of hygiene of hotels and also the surrounding environment so as to gauge their compatibility for offering hospitality services, this data is compiled and uploaded for general public to assess. Unlicensed hotels won't be allowed to operate as they have to be compliant with all related county department such as health, revenue and environment. Potential customers can be assured of high-quality services by bringing value for money and having a clean healthy and serene environment to enjoy their holidays.

Customer preferences can easily be analyzed by AI tools, as they can capture the most frequent foods that are ordered, the size of rooms that are mostly booked either spacious or

modest and the places they prefer to carry out extra-curricular activities such as swimming and beach basking. This data is important to the players in the hospitality industry as they will make accurate and informed investment decisions on where to build hotels and the preferred services to offer their prospective guests.

2.2.4 How AI contributes to competitive advantage in the hospitality industry

Sustaining a competitive advantage in the industry will require constant innovation in service delivery and strategic foresight. In today's economic conditions, it is not easy to determine which form of investments will give a successful market penetration. "However, for organizations that want to thrive strategically, the inclusion of AI in their business models remains the preferred way to gain a competitive edge over other hospitality players (Huang & Rust, 2021)."

In their research, "Nam et al. (2023) were aiming to identify the strategic capabilities gained from AI that competitors find it hard to replicate. The variables included for the study were proprietary algorithms, data network effects, unique customer insights, agile operational models, and innovative service offerings. The study results revealed data network effects were felt more as the customer used them, this data helps to improve AI systems so as to attract more customers. The findings of the study were graded in accordance to the preference of hospitality industry executives with 90% in favor of unique customer insights, 80% for innovative offerings, and 70% for agile operational models." From the research a conclusion was reached that for competitive advantage to be achieved, Hotels managers have to be consistent with its use as first timers will have a difficult time in catching up, thus locking out potential competitors from the industry.

The study also concluded that AI is important resource for building dynamic capabilities, thus allowing the company to rapidly adapt to market changes. Therefore, all hospitality organizations should concentrate on building a data-oriented culture and investing in secure data systems.” Egger et al. (2022) did research on competitive dynamics in the online travel agency market, the study identified that platforms with superior AI driven recommendations engines captured 25% higher share of customer spending than their rivals, as their offers were perceived as more relevant and valuable.”

The researcher proposed the following recommendations , top management should establish partnerships with tech firms , this will enable exchange programs to take place as tech firms will provide technological support and the players in the hospitality industry will help sell the brand of tech firms , for example having advertisement billboards featuring the hotel brand and displaying proudly sponsored by IBM , also the top management is encouraged to have a culture of AI experimentation with AI prototypes and protect their intellectual property rights through registration of patents , this will help to keep competitors from stealing technological ideas , as they will be required to seek permission from the individual organization that own the patent rights .

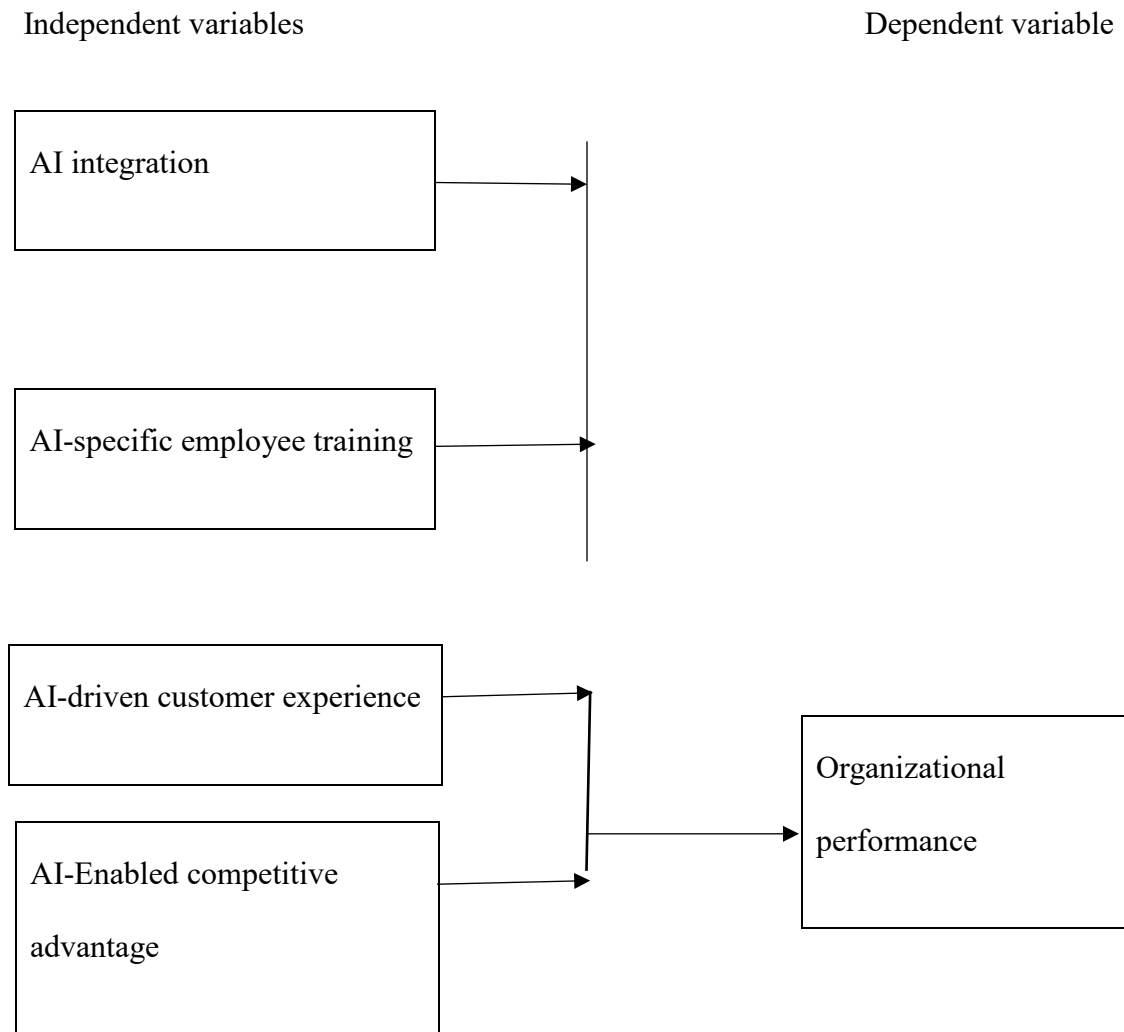
“Verleye et al (2024), identified that competitive advantage is not only achieved by the use of AI systems but the ability of organizations to integrate its human driven process and ICT driven process. The strategic alignment with top leadership influences the firm’s ability to outperform rivals. The author also found out that a strategy focused on using AI to empower employees to deliver high quality services was more sustainable than the one focused purely on cost reduction.”

2.2.5 Summary and research gaps

The past studies done on the influence of artificial intelligence on organizational performance within the hospitality industry provide a key foundation for the study, yet it has not exhaustively addressed the influence AI systems and their corresponding human resource strategies. While various studies confirm that AI enhances operational efficiency , customer experience and competitive advantage, a significant gap remains in understanding how these technological advancements are aligned with strategic organizational objectives to maximize performance .Many hospitality industry firms are implementing AI technology in a phase by phase approach ,but a big question arises on how can employee training , customer experience enhancement and competitive advantage strategies be jointly managed to drive a sustainable organizational performance?. The researcher aims to conduct an in-depth critical analysis of the effects of artificial intelligence on organizational performance with a special reference to the Robotic café in Kileleshwa, Nairobi County.

2.3 Conceptual framework

Figure 1: Conceptual Framework



2.4 Operational variables

A conceptual framework is a well-structured arrangement of ideas that together offer a comprehensive understanding of a particular phenomenon (Ravitch & Carl, 2021), in this research the conceptual framework is essential for clarifying the connections between the independent variables and dependent variable, specifically outlining how AI, training,

customer experience and competitive advantage are jointly synchronized to influence organizational performance.

“Operationalization refers to the process of defining variables in clear, measurable terms. It reduces ambiguity in research by specifying how each variable will be observed, quantified and analyzed (Graham 2016).” This allows for an objective assessment and empirical testing of the relationships under study.

AI – This variable was measured by examining the extent of adoption of AI technologies in daily operations. The study seeks to identify the types of AI systems in use for example chatbots, predictive analytics, automated check in and check out, the level of implementation across departments and staff perceptions of how these systems affect workflow efficiency. Responses were measured by a Likert scale.

AI specific Employee training – The study addresses the training programs related to AI tools and systems. It aimed to determine whether employees receive adequate training to enable them to use AI technologies effectively and how prepared employees feel while applying these tools in their roles. The results were measured by a Likert scale.

AI -driven customer experience – This variable was measured by evaluating guest interactions influenced by AI. The study looked at the use of AI in personalizing services, responding to customer inquiries, collecting feedback, and enhancing overall customer satisfaction. A Likert scale was used to gauge perceptions of customers on AI systems.

AI- enabled competitive advantage – The study examines how AI contributes to the hotel’s market positioning and performance compared to their competitors. Measures included

cost savings from automation, revenue growth linked to AI driven initiatives, brand differentiation due to technology adoption, and managerial assessments of strategic benefits. Quantitative data was measured using a Likert scale.

Organizational performance – As the dependent variable, organizational performance was measured through both financial and non-financial indicators. This included annual revenue, profit margins, employee productivity, customer retention rates, and overall service quality ratings. Data were collected from hotel records, manager reports, and employee surveys.

2.5 Summary

In summary, AI plays a significant role in the overall organizational performance. The chapter has looked into past studies done on some AI strategies that influence organizational performance. The researcher looked into the effects of AI in organizational performance in the hospitality industry with special reference to Robotic café kileleshwa, Nairobi County. The findings will help the management in finding reliable ways to integrate AI systems so as to enhance service delivery.

CHAPTER THREE

RESEARCH DESIGN AND METHODOLOGY

3.0 Introduction

This chapter is concerned with design as well as the methodology of the study, it looks into the detail; target population, sample size, sampling design, data collection techniques and procedures.

3.1 Research design

“A research design serves as a comprehensive plan for conducting a study, it acts as a blueprint, roadmap, and a proposed strategy for analysis, all visualized to effectively answer the research questions. It forms the very heart of any scientific investigation (Creswell & Creswell, 2018).”

This study used a descriptive research design for data collection. “As noted by Saunders et al. (2019), descriptive research is designed to provide an accurate account of a situation as it continuously occurs. This design is appropriate because the study aimed to gather both quantitative and qualitative data to illustrate the relationship between AI implementation and organizational performance.”

This design is appropriate as it describes the state of affairs as they exist without manipulating the environment. It seeks to discover answers to who, what, when, where, and how questions surrounding the phenomenon. Furthermore, it attempted to capture the

attitudes, perceptions, and behavior patterns of employees within the organization related to the adoption and use of artificial intelligence.

3.2 Target population

The target population included members of a group the researcher has an interest to carry out a study. The findings of the study are summed up to this population, since they all have common characteristics in both employees and top management of the Robotic café. The population of interest is the entire staff of the Robotic café with a population of 350 employees who are either Management or Union employees. This information is presented in Table 1.

Table 1: Table Showing the Research Target Population.

Employee category	Target population
Management	50
Unionized	300
Total	350

Source: HRM Robotic Café (2025)

3.3 Sample and sampling Technique

A sample represents a selected subset drawn from a total population of 350 management and staff members at the Robotic café. For this study, a sample of 35 respondents was sought. Sampling is necessary because it will not be feasible for the researcher to collect data from every member of the population. “According to Saunders, Lewis, and Thornhill (2019), Sampling involves choosing a representative group of individuals from a broader population to allow for practical and meaningful analysis of the whole group.”

For this study, a stratified random sampling technique was used. This method involves dividing the population of 350 employees into distinct strata or subgroups, in this case, based on organizational roles such as management and unionized staff. Each stratum was formed based on shared characteristics, ensuring that segments of the population was proportionately represented, A stratified random sample was drawn from each subgroup to form a complete sample of 35 respondents.

The organization’s structure naturally divides employees into management and unionized staff, providing a clear stratum for sampling. The researcher selected samples from both groups, achieving the target sample size of 35 respondents. A sampling ratio of 10% was applied uniformly across both strata, meaning 10% of management staff and 10% of unionized staff will be randomly selected. This approach ensured the sample was both homogeneous and representative of the broader population. The sample size is deemed sufficient to reflect the characteristics and diversity of the entire workforce under the study. The breakdown is illustrated in Table 2

Table 2: Table Showing the Research Study Sample Size

Category	Total population	Sample ratio	Sample Size	Percentage %
Management	50	0.1	5	14.3
Unionized	300	0.1	30	85.7
Total	350		35	100

3.4 Data Collection Instruments

The research study made use of both primary and secondary data. To gather this information, the researcher used both questionnaires and interviews. Primary data was collected using questionnaires that included both closed and open-ended questions. Questionnaires were chosen for this study. “As noted by Bell and Waters (2018), they can be administered by the researcher or other individuals without greatly affecting the reliability or validity of the data. Responses gathered through questionnaires tend to be free from bias, and the researcher remains in control of the process, which helps ensure the quality and accuracy of information collected.”

The researcher developed questionnaires for the respondents, the closed-ended questions made it easier to analyze and classify the data accurately, while the open-ended questions allowed respondents to provide more detailed answers, adding depth to findings.

In addition to primary data, the researcher collected secondary data from the cafés Human resource department records, which were provided by the Human resource manager. This secondary information helped to support and clarify some of the results from the primary data collection.

The instruments selected provided up-to-date and relevant data needed for the study. They were practical for the researcher in terms of the time and cost.

3.5 Pilot study

“A pilot study is a small-scale trial of the methods and procedures planned for use in a larger study”, (Bell & Waters, 2018).” The main purpose of carrying out a pilot study was to test the feasibility of the intended approach in full scale research.

This preliminary study allowed for the initial testing of the research instruments and is not part of the main study. Existing literature suggests that the sample for a pilot study should be about 10 percent of the sample size planned for the full study. For this research, a pilot group of 10 people was selected from the target population to check on consistency and suitability of the research tools. Specialists considered this number sufficient since the pilot study was only a pretest, conducted on a small scale.

The findings from the pilot helped the researcher to detect main issues during the research process. Conducting a pilot study helped the researcher refine the research question, improve the methods for addressing it, and estimate the time and resources needed to complete the project, among other benefits.

3.5.1 Validity

“Validity refers to the extent which a research instrument accurately captures what is intended to measure (Bell & Waters 2018).” This meant that the researcher ensured that the questions asked and the data collected were a reflection of the concepts that are key for the study. Such as the relationship between AI adoption and organizational outcomes in the hospitality industry setting. A lot of attention needs to be given to validity, as it is a guiding principle when it comes to interpretation of data and making it relevant.

In this study, face validity was used to evaluate whether the data collections instruments are reliable and appropriate. “Face validity is a subjective yet expert led assessment on whether the data collection tool is effective for the study (Taherdoost, 2016).” To accomplish this objective, a group of experts who are familiar with both hospitality management and artificial intelligence applications were invited to review the questionnaires and interview guides. This expert assessed whether the questions are clear, relevant and comprehensive. They were also tasked to provide feedback on whether the research instruments produced meaningful data.

3.5.2 Reliability Test

“Reliability test is used to measure the consistency and stability of a research instrument. If the measure produces steady results under consistent condition, it is considered to be reliable (Taherdoost, 2016)”. This meant that if the study was to be repeated under similar circumstances, the tool was to produce the same results. In this study, the split-half method was used to test reliability.

This approach involved dividing the research instrument into two equal halves, for example, separating odd numbered questions from even numbered ones. The responses from the first half were compared to those from the second half to see if they produce similar results. A high level of agreement between the two halves suggest that the measurement instrument was consistent and reliable. This method helped the researcher to verify that the data collected was not from random sources, thus increased confidence on the study.

3.6 Data Collection Procedure

This research contained both primary and secondary data. Before any analysis takes place, the researcher ensured that all research materials were ready. This included questioner's that were both open and close ended since the researcher faced limitations in time and resources, a trained and well experienced assistant were recruited and briefed to help the researcher with data collection activities. This approach ensured that accurate information was gathered within the scheduled time frame and budget.

Before distributing the questioners, the researcher meet with potential respondents to explain the purpose of the study. They assured the participants that their responses was confidential and answered any questions the respondents had. This was done to build trust and encourage honesty during participation.

Secondary data was obtained from the hotel's Human Resource Department. The Human resource manager requested to provide access to relevant records, which helped support the primary data collected through the questionnaires.

3.7 Data Analysis Presentation

Before any analysis takes place, the data that will be collected will undergo through editing and accurate coding. This will prepare information for entry into a spreadsheet application. The researcher then used descriptive statistics to examine the data, and relied on weighted means, standard deviations, percentages and relative frequencies.

These steps helped to confirm the accuracy of the data before interpretation. The Statistical Package for the Social Sciences (SPSS) was used for the study as it provided reliable descriptive statistics functions. “According to Pallant (2020), SPSS enables researchers to efficiently generate response frequencies and other key metrics, creating a clear display of data patterns.

After being analyzed the results were presented using frequency tables, charts and graphs. These individual tools made the findings easier to understand and interpret, helping to convey the study’s outcomes in a straightforward and accessible manner.

3.8 Ethical Considerations

3.8.1 Informed Consent

Before beginning the research, the researcher clearly explained the study’s purpose and procedures to all the participants. Following the guidelines for ethical research “(Rensik,2018), each respondent was asked for their individual agreement to participate before any data is collected. No one was included in the study without their knowledge and consent.

3.8.2 Voluntary Participation

The Researcher made sure that participation were entirely voluntary throughout the study. No pressure was applied to anyone who was hesitant to take part in the study. Respondents were free to change their mind and exit from participating in the study.

3.8.3 Confidentiality

The nature of information in the hospitality industry is very sensitive, especially regarding operations and staff matters, thus special care was taken to protect all data collected to ensure business secrets do not leak to their competitors. “The researcher assured participants that their responses remained strictly confidential and would only be used for the purposes of this study, in line with standard research practice (Saunders, Lewis & Thornhill, 2019).”

3.8.4 Privacy

The privacy of all participants were respected throughout the research process. The researcher ensured. That the respondents were informed that giving names on the questioners was optional.

3.8.5 Anonymity

Participants were informed that it is not mandatory for them to provide their names on the questionnaires. Those who were preferred to remain anonymous were free to do so, and their responses were included regardless of their identity remaining anonymous

3.9 Chapter Summary

In summary the chapter discusses the methodology approach for the study and research design, target population, sampling technique, data collection instruments, data analysis presentation and Ethical considerations

CHAPTER FOUR

DATA PRESENTATION, ANALYSIS AND INTERPRETATION

4.0 Introduction

The results of the study on how artificial intelligence affects organizational performance in Kenya's hospitality sector are presented in this chapter, with particular attention on Robot Café Kileleshwa in Nairobi. It describes the procedures for presenting, analyzing, and interpreting data in accordance with the goals and research questions of the study. To set the scene for the study, the chapter starts with a summary of the respondents' demographics and response rate. The data on Robot Café's level of AI adoption is then presented and analyzed, with an emphasis on areas like decision support systems, customer engagement, service automation, and operational efficiency.

4.1 Presentation of Research Findings

The research findings on how artificial intelligence affects organizational performance in the Kenyan hospitality sector are presented in this section, with particular reference to Robot Café Kileleshwa, Nairobi. Operational efficiency, AI-specific personnel training, customer experience, and competitive advantage are the main aspects of artificial intelligence that are highlighted in the results, which are presented in accordance with the study's objectives. To improve comprehension and clarity, data collected from the field is arranged, examined, and shown using tables and figures. Each set of results is accompanied by an interpretation that clarifies the significance of the findings, draws attention to noteworthy trends or inconsistencies, and connects the results to the previously reviewed

body of literature. This serves as a foundation for the conclusions and suggestions made in the sections that follow.

4.1.2 Response Rate

Robot Café Kileleshwa workers and management personnel were given 35 surveys; 28 of them were filled out and returned, yielding an 80% response rate. For the purposes of data analysis and interpretation, this response rate is considered adequate.

4.1.3 Effects of AI on Operational Efficiency

The first objective sought to assess the effects of artificial intelligence on operational efficiency at the Robotic Café.

Table 3: Effects of AI on Operational Efficiency at Robot Café (n = 32)

Operational Efficiency Indicator Mean Std. Deviation		
Speed of order processing	4.53	0.56
Accuracy of service delivery	4.38	0.63
Reduction in service errors	4.22	0.71
Time management efficiency	4.41	0.59

Note. Scale: 1 = Strongly Disagree, 5 = Strongly Agree.

Discussion

With a mean order processing speed of 4.53, the study's conclusions show that Robot Café's use of AI has significantly improved operational efficiency. This enhancement highlights how robotic servers and automated ordering systems may minimize human mistake and cut down on delays. Porter's Value Chain Theory, which emphasizes the role of technology in enhancing operational tasks, is consistent with the findings. Ivanov and Webster's (2019) findings are supported by the consistently high mean scores, which show that AI integration has effectively simplified service procedures. Furthermore, the lack of significant inconsistencies points to a robust relationship between the application of AI and improvements in operational effectiveness.

4.1.4 Impact of AI-Specific Employee Training on Organizational Performance

The second objective evaluated the impact of AI-specific employee training on organizational performance.

Table 4: AI-Specific Training and Organizational Performance (n = 32)

Training Outcome	Mean Std. Deviation	
Improved employee productivity	4.19	0.68
Ability to manage AI systems	4.34	0.61

Training Outcome	Mean	Std. Deviation
Reduction in operational disruptions	4.06	0.77
Employee adaptability to technology	4.28	0.64

Discussion

A high mean score for enhanced employee skill in managing AI systems ($M = 4.34$) suggests that AI-specific training has a favorable effect on organizational performance. This result is consistent with the Human Capital Theory, which holds that organizational performance is fueled by skill growth. A somewhat lower mean score for the decrease in operational disruptions, however, suggests that certain technical difficulties persist even with good training. This finding highlights the need for continuous skill improvement and somewhat contradicts previous research that assumes training completely mitigates AI-related problems.

4.1.5 Influence of AI on Customer Experience

The third objective analyzed the influence of AI on customer experience at the Robotic Café.

Table 5: Customer Experience Ratings Following AI Adoption

Customer Experience Level	Frequency	Percentage
Very Positive	15	46.9%
Positive	10	31.3%
Neutral	5	15.6%
Negative	2	6.2%

Discussion

The results show that following the use of AI in service delivery, 78.2% of respondents said their customer experience was favorable or very positive. Improved novelty, consistent service, and an all-around improved eating experience are the reasons for this development. These findings bolster the claims made by Davenport et al. (2020), emphasizing AI's contribution to improving customer experience through efficiency and customization. However, Liu and Mattila's (2017) worries that some consumers prefer human connection are supported by the availability of neutral and unfavorable sentiments among certain respondents, indicating a paradox in the acceptability of AI-driven services.

4.1.6 Contribution of AI to Competitive Advantage

The fourth objective sought to determine how AI contributes to competitive advantage within the Kenyan hospitality sector.

Table 6: AI and Competitive Advantage at Robot Café (n = 32)

Competitive Advantage Indicator Mean Std. Deviation		
Brand differentiation	4.47	0.58
Attraction of new customers	4.41	0.62
Market competitiveness	4.28	0.67
Innovation leadership	4.53	0.55

Discussion

With a mean score of 4.53, the results show that AI is essential for gaining a competitive edge, especially through innovation leadership. Robot Café's use of robots distinguishes it from traditional hospitality companies and is consistent with the Resource-Based View (RBV), which holds that distinctive and non-replicable resources, such as cutting-edge technology, create a long-term competitive advantage. The study of McAfee and Brynjolfsson (2017), which highlights AI as a strategic asset, is supported by these discoveries. Furthermore, the investigation revealed no noteworthy inconsistencies,

supporting the idea that AI adoption significantly boosts competitiveness in Kenya's hotel industry.

4.2 Limitations of the study

Despite its successful completion, the study on the impact of artificial intelligence (AI) in the hospitality sector, specifically at Robot Café Kileleshwa in Nairobi, faced several limitations. Firstly, the case study approach restricts generalizability as the café's unique operational model and early AI adoption differ from the traditional service models prevalent in most Kenyan hospitality establishments. Secondly, the reliance on primary data collected through structured questionnaires introduced potential response bias, with participants possibly overstating positive impacts or lacking technical understanding of AI. Moreover, challenges were encountered in accessing comprehensive organizational performance data due to confidentiality concerns, limiting the study to perceptual measures rather than objective indicators. Time constraints hindered the scope of data collection, preventing longitudinal assessments of AI's long-term effects on performance. Additionally, the rapidly evolving nature of AI technologies raises questions about the lasting relevance of the findings as tools and practices may change. Lastly, external environmental factors such as economic conditions and regulatory frameworks were not fully controlled, complicating the isolation of AI's impact on organizational performance. Despite these challenges, the study offers valuable insights into AI's role in enhancing organizational performance and establishes a groundwork for future research in the Kenyan hospitality industry.

4.3 Chapter summary

With a focus on Robot Café Kileleshwa in Nairobi, this chapter investigated how artificial intelligence (AI) affects organizational performance in the Kenyan hospitality sector. It examined how AI affects customer experience, staff training, operational efficiency, and competitive advantage, as well as data presentation and interpretation. The findings, which are shown in tables and figures, demonstrated that AI improves customer experience, staff competence, efficiency, and competitive positioning, all of which have a beneficial impact on organizational performance. These findings provide an empirical foundation for the conclusions drawn in the next chapter.

CHAPTER FIVE

SUMMARY, RECOMMENDATIONS AND CONCLUSIONS

5.0 Introduction

This chapter provides an overview of the research on how artificial intelligence (AI) affects organizational performance in Kenya's hospitality sector, with a particular focus on Robot Café Kileleshwa in Nairobi. It highlights insights from data analysis and summarizes the main conclusions pertaining to the study's goals and research questions. The outcomes show how AI may improve customer satisfaction, staff performance, operational efficiency, and competitive advantage. The chapter also offers useful advice on how to effectively embrace and use AI to enhance organizational performance in the Kenyan hotel industry for managers, legislators, and upcoming academics.

5.1 Summary of Findings

This study used Robot Café Kileleshwa in Nairobi as a case study to examine how artificial intelligence (AI) affects organizational performance in the Kenyan hospitality industry. Important conclusions showed that the application of AI greatly improved a number of organizational performance metrics.

Robot Café's operational efficiency was enhanced by AI adoption through automated ordering and robotic service delivery, which increased overall workflow, service speed, and accuracy while reducing mistakes and delays. This enhancement made activities run more smoothly and made the most use of available resources. The study showed that improving organizational performance required staff training tailored to AI. Employees

with training demonstrated increased productivity, flexibility, and self-assurance while using AI technology. But it was also stressed that ongoing training is essential to staying up to speed with technology advancements and problems.

AI has a beneficial effect on the customer experience; many respondents reported higher levels of satisfaction as a result of faster service and reliable delivery. However, a small percentage of consumers had indifferent or unfavorable opinions, indicating that in some service situations, people still prefer face-to-face communication. Ultimately, Robot Café's usage of AI gave them a competitive advantage in Kenya's hospitality sector, resulting in brand uniqueness, drawing in new clients, and positioning the café as a leader in innovation. In conclusion, for AI to greatly improve organizational performance in the hotel sector, successful deployment and staff support are essential.

5.2 Recommendations

Several suggestions are made in light of the study's results about the impact of artificial intelligence (AI) on organizational performance in Kenya's hospitality sector, particularly at Robot Café Kileleshwa. These suggestions are meant to help academics, managers, and legislators improve the uptake and use of AI. Every proposal lists recommended actions, names accountable parties, sets deadlines, and suggests methods for observation and assessment.

5.2.1 Recommendations for Research

Recommendation: Conduct further research to explore the long-term effects of AI adoption on hospitality performance and customer satisfaction.

Activities:

1. Design longitudinal studies to track AI impact over 3–5 years.
2. Include multiple hospitality establishments across Kenya for comparative analysis.
3. Integrate objective performance metrics (e.g., revenue growth, service error rates).

Responsible Parties: University researchers, graduate students, hospitality research institutions.

Timeline: 1–3 years.

Monitoring and Evaluation: Regular progress reports, peer-reviewed publications, and conference presentations to assess ongoing research findings and gaps.

5.2.2 Recommendations for Policy

Recommendation: Develop policies to encourage AI adoption and technological innovation in the hospitality sector.

Activities:

1. Provide incentives for AI implementation, such as tax reliefs or grants.
2. Establish national standards for AI use in hospitality to ensure safety, efficiency, and customer satisfaction.

3. Promote collaboration between technology providers and hospitality operators.

Responsible Parties: Ministry of Tourism, Ministry of ICT, Kenya Hospitality and Tourism Association.

Timeline: 1–2 years for policy formulation; ongoing review every 2 years.

Monitoring and Evaluation: Conduct policy impact assessments through surveys, industry reports, and audits to ensure effective AI adoption and compliance with standards.

5.2.3 Recommendations for Practice and Training

Recommendation 1: Strengthen AI-specific employee training programs to enhance skills and operational efficiency.

Activities:

1. Organize regular workshops and hands-on training sessions on AI systems operation and troubleshooting.
2. Develop internal manuals and standard operating procedures (SOPs) for AI use.
3. Introduce mentorship programs pairing experienced staff with new employees.

Responsible Parties: Robot Café management, HR department, AI system providers.

Timeline: Initial training within 3 months; refresher courses every 6 months.

Monitoring and Evaluation: Conduct training effectiveness assessments using employee performance metrics, feedback surveys, and system error logs.

Recommendation 2: Integrate AI-driven customer service strategies to enhance guest experience.

Activities:

1. Regularly update AI systems to incorporate customer feedback and preferences.
2. Use AI analytics to personalize services and identify service gaps.
3. Combine AI services with human touchpoints to address customers who prefer interaction with staff.

Responsible Parties: Operations managers, customer service teams, IT specialists.

Timeline: Continuous implementation, with system upgrades every 6–12 months.

Monitoring and Evaluation: Use customer satisfaction surveys, complaint tracking, and service analytics to monitor improvements.

5.2.4 Recommendations for Education

Recommendation: Incorporate AI and hospitality technology into educational curricula to prepare future industry professionals.

Activities:

1. Integrate AI courses and practical training into hospitality and tourism programs in universities and technical institutes.
2. Partner with industry players like Robot Café to provide internships and real-world exposure to AI systems.
3. Conduct seminars and workshops on emerging AI trends in hospitality.

Responsible Parties: Universities, technical training institutes, Kenya Institute of Curriculum Development, industry partners.

Timeline: Curriculum development within 1 year; implementation in the next academic cycle.

Monitoring and Evaluation: Monitor student competency through practical assessments, internships performance, and feedback from employers.

These recommendations aim to create a sustainable environment for AI adoption in the Kenyan hospitality sector, improve organizational performance, and ensure continuous learning and innovation. Proper implementation and monitoring of these activities will help hospitality businesses remain competitive while maximizing the benefits of artificial intelligence.

5.3 Conclusion

This study examined the impact of artificial intelligence (AI) on organizational performance in the Kenyan hospitality sector, specifically focusing on Robot Café Kileleshwa in Nairobi. It was guided by four objectives: evaluating AI's effects on operational efficiency, assessing the impact of AI-specific employee training, analyzing AI's influence on customer experience, and determining its contribution to competitive advantage. Using a case study method, data was collected from employees and management.

The findings indicated that AI significantly boosts operational efficiency by enhancing order processing speed, accuracy, and workflow management while minimizing service

errors. AI-specific training was shown to increase staff productivity, adaptability, and confidence in managing AI systems; however, ongoing training was emphasized to tackle technical challenges. Additionally, AI had a favorable impact on customer experience, with most customers noting improvements in service quality, novelty, and consistency, although a minority still preferred human interaction. Furthermore, AI provided a competitive edge through brand differentiation, effective market positioning, and innovation leadership, underscoring its strategic importance in the hospitality industry.

AI is identified as a vital driver of enhanced organizational performance within the hospitality sector, contingent upon effective implementation supported by employee training and customer-centric strategies. The integration of AI into operations, personnel development, and service delivery can lead to improved efficiency, superior customer experiences, and sustainable competitive advantages. The research also points to the need for continuous exploration, supportive policies, and educational programs to maintain the relevance and effectiveness of AI adoption in the evolving Kenyan hospitality landscape.

REFERENCES

- GSMA. (2023). The mobile economy: Sub-Saharan Africa 2023. GSMA.
<https://www.gsma.com>
- Government of Kenya. (2022). Digital Economy Masterplan 2022–2032. Nairobi:
Government Printer.
- IBM. (2022). Global AI adoption survey: Insights for retail and consumer industries. IBM
Research. <https://www.ibm.com/reports/ai-survey>
- Ivanov, S., & Webster, C. (2021). Robotics, AI and service automation in tourism and
hospitality: Challenges and opportunities. Springer. <https://doi.org/10.1007/978-3-030-53338-9>
- Kumar, V., Dixit, A., Javalgi, R. G., & Dass, M. (2020). Digital transformation in
hospitality: Customer experience and personalization. *Journal of Business Research*, 116,
265–276. <https://doi.org/10.1016/j.jbusres.2020.05.039>
- Makridakis, S. (2017). The forthcoming artificial intelligence (AI) revolution: Its impact
on society and firms. *Futures*, 90, 46–60. <https://doi.org/10.1016/j.futures.2017.03.006>
- Mariani, M., Borghi, M., & Cappa, F. (2023). Artificial intelligence in the hospitality
industry: Chatbots and customer service innovation. *International Journal of Hospitality
Management*, 110, 103420. <https://doi.org/10.1016/j.ijhm.2022.103420>
- McKinsey & Company. (2023). AI and automation in service industries: Implications for
employment and productivity. McKinsey Global Institute. <https://www.mckinsey.com>

- Ndemo, B., & Weiss, T. (2023). Digital entrepreneurship in Kenya: Opportunities and challenges. *African Journal of Information Systems*, 15(1), 1–18.
- Ogunmola, O. (2023). Artificial intelligence adoption in Africa's service sector: Trends and prospects. *African Journal of Technology and Innovation*, 12(2), 45–61.
- Schwab, K. (2016). *The Fourth Industrial Revolution*. Geneva: World Economic Forum.
- World Bank. (2023). Kenya economic update: Leveraging technology for inclusive growth. World Bank Group. <https://www.worldbank.org>
- Creswell, J. W., & Creswell, J. D. (2018). *Research design: Qualitative, quantitative, and mixed methods approaches* (5th ed.). Sage Publications.
- Cronin, C., & George, B. (2023). *The literature review: An essential guide for academic research*. Routledge.
- Egger, R., Koenig-Lewis, N., & Back, A. (2022). Competitive dynamics in online travel agencies: The role of AI-driven recommendation systems. *Journal of Travel Research*, 61(6), 1453–1468. <https://doi.org/10.1177/00472875211012345>
- Garrard, J. (2022). *Health sciences literature review made easy: The matrix method* (6th ed.). Jones & Bartlett Learning.
- Goodhue, D. L., & Thompson, R. L. (1995). Task-technology fit and individual performance. *MIS Quarterly*, 19(2), 213–236. <https://doi.org/10.2307/249689>
- Graham, R. (2016). *Operationalization in research: From theory to measurement*. Sage Publications.

Huang, M.-H., & Rust, R. T. (2021). A strategic framework for artificial intelligence in service. *Journal of Service Research*, 24(1), 3–22.

<https://doi.org/10.1177/1094670520902269>

Ivanov, S., & Webster, C. (2019). *Robotics, AI and service automation in travel, tourism and hospitality*. Emerald Publishing.

Kim, S., Park, J., & Lee, H. (2023). AI-powered inventory management in restaurants: Reducing food waste through predictive analytics. *International Journal of Hospitality Management*, 110, 103451. <https://doi.org/10.1016/j.ijhm.2022.103451>

Kumar, V., Dixit, A., Javalgi, R. G., & Dass, M. (2021). Digital transformation in hospitality: AI-driven personalization and customer experience. *Journal of Business Research*, 132, 279–291. <https://doi.org/10.1016/j.jbusres.2021.03.041>

Liang, Y., Chen, J., & Zhang, W. (2023). AI training in hospitality: Enhancing employee proficiency and confidence. *International Journal of Contemporary Hospitality Management*, 35(2), 567–586. <https://doi.org/10.1108/IJCHM-10-2022-0945>

Lin, H., & Wang, Y. (2022). Task-technology fit in the age of artificial intelligence: Frameworks and applications. *Information & Management*, 59(5), 103594. <https://doi.org/10.1016/j.im.2022.103594>

Luo, J., Chen, K., & Wang, P. (2023). IoT-enabled AI housekeeping operations in hotels: Optimizing room turnover and guest satisfaction. *Journal of Hospitality and Tourism Technology*, 14(3), 456–472. <https://doi.org/10.1108/JHTT-03-2022-0061>

- Luo, X., Tong, S., Fang, Z., & Qu, Z. (2021). Frontiers: Machines vs. humans: The impact of AI on service quality in hospitality. *Marketing Science*, 40(1), 1–18.
<https://doi.org/10.1287/mksc.2020.1278>
- Mengist, W., Haji, J., & Belay, G. (2020). The role of literature review in research: A systematic approach. *Journal of Research in Education*, 30(2), 45–61.
- Nam, K., Lee, S., & Park, J. (2023). Strategic capabilities and competitive advantage from AI in hospitality. *International Journal of Hospitality Management*, 110, 103438.
<https://doi.org/10.1016/j.ijhm.2022.103438>
- Prentice, C., & Nguyen, T. H. (2021). Human-AI collaboration in service organizations: Challenges and strategies. *Service Industries Journal*, 41(5–6), 365–387.
<https://doi.org/10.1080/02642069.2020.1811548>
- Pillai, R., & Sivathanu, B. (2020). Artificial intelligence adoption in hospitality operations: Implications for efficiency and service quality. *International Journal of Hospitality Management*, 87, 102478. <https://doi.org/10.1016/j.ijhm.2020.102478>
- Ravitch, S. M., & Carl, N. M. (2021). *Qualitative research: Bridging the conceptual, theoretical, and methodological*. Sage Publications.
- Snyder, H. (2019). Literature review as a research methodology: An overview and guidelines. *Journal of Business Research*, 104, 333–339.
<https://doi.org/10.1016/j.jbusres.2019.07.039>

- Tussyadiah, I. P. (2020). AI and value co-creation in hospitality: From transactional to experiential. *Tourism Management*, 77, 104025.
<https://doi.org/10.1016/j.tourman.2019.104025>
- Tussyadiah, I. P., & Miller, G. (2022). Employee adoption of AI technologies in European hotels: Training and implementation outcomes. *International Journal of Hospitality Management*, 105, 103256. <https://doi.org/10.1016/j.ijhm.2022.103256>
- Tussyadiah, I. P., Wang, D., & Jung, T. H. (2021). Travelers' evaluation of AI-enabled hospitality services. *Tourism Management Perspectives*, 39, 100832.
<https://doi.org/10.1016/j.tmp.2021.100832>
- Ukpabi, D. C., Karjaluoto, H., & Nwankwo, S. (2023). Employee perceptions and adoption of AI systems in hospitality: The role of training. *Journal of Hospitality and Tourism Technology*, 14(4), 589–607. <https://doi.org/10.1108/JHTT-05-2022-0090>
- Vargo, S. L., & Lusch, R. F. (2016). *Service-dominant logic: Premises, perspectives, possibilities*. Cambridge University Press.
- Verleye, K., Gemmel, P., & Rangarajan, D. (2024). Strategic alignment of human and AI processes: A path to sustainable competitive advantage in hospitality. *Journal of Service Research*, 27(1), 23–42. <https://doi.org/10.1177/10946705231234567>
- Wilson, H. J., & Daugherty, P. R. (2018). Collaborative intelligence: Humans and AI are joining forces. *Harvard Business Review*, 96(4), 114–123.

- Bell, J., & Waters, S. (2018). *Doing your research project: A guide for first-time researchers* (7th ed.). McGraw-Hill Education.
- Creswell, J. W., & Creswell, J. D. (2018). *Research design: Qualitative, quantitative, and mixed methods approaches* (5th ed.). Sage Publications.
- Pallant, J. (2020). *SPSS survival manual: A step by step guide to data analysis using IBM SPSS* (7th ed.). McGraw-Hill Education.
- Rensik, R. (2018). *Ethics in research: Principles and practice*. Routledge.
- Saunders, M., Lewis, P., & Thornhill, A. (2019). *Research methods for business students* (8th ed.). Pearson Education.
- Taherdoost, H. (2016). Validity and reliability of questionnaires in research. *International Journal of Academic Research in Management*, 5(3), 28–36.
<https://doi.org/10.2139/ssrn.320504>

APPENDIX II: RESEARCH STUDY QUESTIONNAIRE

Title: Effects of Artificial Intelligence on Organizational Performance in the Kenyan Hospitality Industry: A Case Study of Robot Café, Kileleshwa – Nairobi

Introduction

This questionnaire is for academic purposes only. It seeks to gather information on how Artificial Intelligence (AI) influences organizational performance at Robot Café. Your responses will be treated with strict confidentiality. Please answer honestly by ticking (✓) the option that best represents your opinion.

SECTION A: DEMOGRAPHIC INFORMATION

1. Gender
☐ Male ☐ Female ☐ Prefer not to say
2. Age Bracket
☐ Below 25 ☐ 25–34 ☐ 35–44 ☐ 45 and above
3. Position at Robot Café
☐ Management
☐ Supervisor
☐ Service Staff
☐ Kitchen Staff
☐ IT/Technical Staff

4. Years worked at Robot Café

☐ Less than 1 year

☐ 1–3 years

☐ 4–6 years

☐ Over 6 years

5. Education Level

☐ Secondary

☐ Diploma

☐ Degree

☐ Postgraduate

SECTION B: USE OF ARTIFICIAL INTELLIGENCE AT ROBOT CAFÉ

(1 = Strongly Disagree, 2 = Disagree, 3 = Neutral, 4 = Agree, 5 = Strongly Agree)

Statement	1	2	3	4	5
AI systems (robots, automated ordering, etc.) are widely used at Robot Café	☐	☐	☐	☐	☐
I understand how AI systems used here operate	☐	☐	☐	☐	☐
The organization provides adequate training on AI systems	☐	☐	☐	☐	☐
AI technologies are reliable in daily operations	☐	☐	☐	☐	☐
AI systems are easy to use	☐	☐	☐	☐	☐

SECTION C: AI AND SERVICE DELIVERY

Statement	1	2	3	4	5
AI has improved speed of service	☐	☐	☐	☐	☐
AI reduces customer waiting time	☐	☐	☐	☐	☐
AI enhances service accuracy (orders, billing, etc.)	☐	☐	☐	☐	☐
Customers respond positively to AI-driven services	☐	☐	☐	☐	☐
AI improves overall customer satisfaction	☐	☐	☐	☐	☐

SECTION D: AI AND EMPLOYEE PERFORMANCE

Statement	1	2	3	4	5
AI makes my work easier	☐	☐	☐	☐	☐
AI increases my productivity	☐	☐	☐	☐	☐
AI reduces work-related errors	☐	☐	☐	☐	☐
AI allows employees to focus on higher-value tasks	☐	☐	☐	☐	☐
AI reduces workload pressure	☐	☐	☐	☐	☐

SECTION E: AI AND OPERATIONAL EFFICIENCY

Statement	1	2	3	4	5
AI reduces operational costs	☐	☐	☐	☐	☐
AI improves order processing efficiency	☐	☐	☐	☐	☐
AI enhances inventory and stock management	☐	☐	☐	☐	☐
AI minimizes service errors and wastage	☐	☐	☐	☐	☐
AI improves overall workflow	☐	☐	☐	☐	☐

SECTION F: AI AND ORGANIZATIONAL PERFORMANCE

Statement	1	2	3	4	5
AI contributes to increased sales	☐	☐	☐	☐	☐
AI gives Robot Café a competitive advantage	☐	☐	☐	☐	☐
AI improves the café's reputation	☐	☐	☐	☐	☐
AI supports better decision-making	☐	☐	☐	☐	☐
AI has positively influenced overall organizational performance	☐	☐	☐	☐	☐

SECTION G: CHALLENGES OF AI IMPLEMENTATION

Statement	1	2	3	4	5
AI systems are expensive to maintain	☐	☐	☐	☐	☐
Technical failures disrupt operations	☐	☐	☐	☐	☐
Employees fear job displacement due to AI	☐	☐	☐	☐	☐
AI requires continuous training	☐	☐	☐	☐	☐
There is resistance to AI adoption among staff	☐	☐	☐	☐	☐

SECTION H: OPEN-ENDED QUESTIONS

1. In your opinion, what are the biggest benefits of AI at Robot Café?

.....

.....

.....

2. What challenges have you experienced with AI systems?

.....

.....

.....

3. What improvements would you suggest regarding AI use?

.....

.....

.....