

BRIDGING GAPS IN WESTERN EDUCATION

Using AI and Stakeholder Collaboration to Address Third-World Challenges





Author: Obeng De Lawrence

Institution:



Program: PhD in Management [by Portfolio]

Course Instructor: Prof Stephen Harrison

FEBRUARY 27, 2025 COMPANY: ITC -LONDON

Abstract

The work for Module 3 Capstone Project incorporates extensive use of the research and assignments completed during Modules 1 and 2. In addition to personal experiences that offer valuable context, the author's previous research has established a robust intellectual and empirical foundation for this project. The author's life journey has laid the foundation for this project, supplemented by personal experiences that provide valuable context [Appendix 2]. This includes background and experience in a developing country, a move to the West and the West, coupled with initial exposure to the industry, subsequent training followed by teaching, and managing a business as an educational provider and publisher, fostered. All these gave way to a deeper understanding and impetus for further endeavors. The combination of existing work and current research enabled the researcher to optimize the research process. In effect, this project will continue past theory foundations while creating innovative methods for decision-making and problem-solving at ITC London. The present investigation moves beyond past work summaries because it advances non-standard research methodologies through extensive analytical methods. The investigation follows an inspiration that innovation functions as a driving force to generate optimal results within educational and business planning.

According to the researcher's original work titled Gold Minds (Obeng, 2009), Western education methods have consistently shown unequal results across worldwide locations. Building new educational systems is made possible by this Capstone Project, thus focusing on creativity and organizational leadership that suits different geographic regions and cultures.

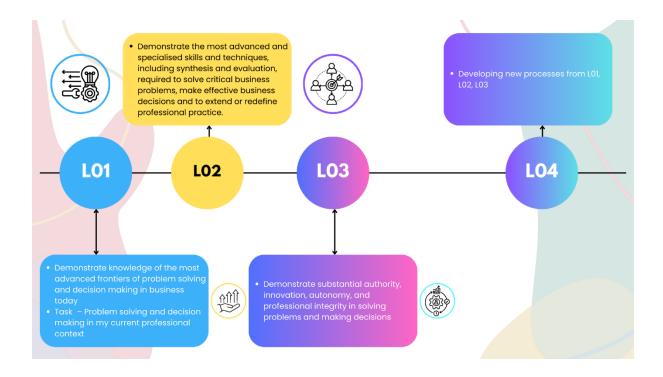
The majority of the information in this document entails analytical and reflective components with an objective professional tone that could shift to a personal narrative format. Readers are

able to delve deeper into the studies because authenticity is strengthened through this method. The complex development of modern business challenges elevates The Capstone Project beyond the operational analysis done in previous assignments. The focus of this approach is on strategic forward-thinking for implementation, and creative planning aims to expand possibilities while sustaining long-term feasibility and sustainability.

Weak businesses must adapt to various cultural settings and also manage regulatory hurdles in this rapidly changing business environment when implementing disruptive innovations, according to Mc Kinsey & Company (2020). AI-based, high-quality educational experiences from ICT London need to be connected to sustainability factors and regulatory compliance standards through its digital platforms. Sustained worth development, organizational endurance and governance are built through the incorporation of factors within the ICT London decision systems (Harvard Business Review, 2020). This approach is needed by operational excellence to maintain regulatory compliance and ethics. Every component of this Capstone Project develops from the Modules 1 and 2 assignments combined with academic research and independent study.



Fig 1a. The Structure of module 1



Module 2 Summary

Fig 1b. The Structure of Module 2

A careful evaluation has resulted in a complete conceptual framework for solving problems and making decisions at ITC London. This project will create a lasting sustainable model that matches ITC London's core mission using innovative methods combined with strategic planning and continuous enhancement practices. The progressive work will continue to mold ITC London's leadership in world education and business transformation by integrating upcoming technologies alongside business patterns and practical standards.

Table of Contents

Abstract	i
. Introduction	1
2. Background and Context	2
2.1 The Impact of Western Education on the Rest of the World - An Analysis	2
2.2 Objectives	3
2.3 The Global Influence of Western Education	4
2.3.1 Relationship between Economic Growth and Human Capital and Literacy Rates	4
2.3.2 Research and Innovation	5
2.4 Why the Same Economic and Developmental Impact is Not Felt Equally Worldwide .	6
2.4.1 Structural Inequality in Educational Access	6
2.4.2 Cultural and Linguistic Barriers	8
2.4.3 Mismatch Between Education and Local Job Markets	9
2.5 Policy Recommendations to Enhance the Impact of Western Education Globally	10
3. Leveraging AI and Curriculum Innovation for Global Educational Outreach and Impact	12
3.1 AI Introduction	12
3.2 The Role of AI in Education	13
3.3 Global Education Disparities and the Need for AI-Driven Solutions	13
4. Strategic Plan for AI-Driven Curriculum Expansion	15
4.1 Objective	15
4.1.1 Key Focus Areas	15
4.2 Implementation Roadmap	16
4.3 Technology Infrastructure for AI-Driven Education	17

	4.3.1 AI-Powered Learning Platforms	. 17
	4.3.2 Big Data and Learning Analytics	. 17
	4.3.3 AI-Enhanced Assessment and Accreditation	. 19
	4.4 Global Market Expansion and Partnerships	. 19
	4.5 Extended List of Possible Stakeholders within the AI-Driven Curriculum Framework at	
	ITC London	. 20
	4.5.1 Internal Stakeholders	. 20
	4.5.2 External Stakeholders and their roles	. 24
	4.5.3 Government & Regulatory Bodies	. 25
	4.6 Challenges and Risk Mitigation	. 29
	4.7 Expected Outcomes and Impact	. 29
5.	AI Breaking Language Barriers in Business in Africa – Case Studies	. 31
	5.1 Measuring and Evaluating Outcomes at ITC London	. 31
	5.1.1 Student Learning Outcomes and Performance Metrics	. 31
	5.1.2 AI-Driven Predictive Analytics for Academic Success	. 32
	5.1.3 Faculty and Curriculum Effectiveness	. 32
	5.1.4 Employment and Career Progression Metrics	. 33
	5.2 Ensuring Continuous Improvement at ITC London	. 33
	5.2.1 AI-Enabled Adaptive Learning Systems	. 33
	5.2.2 Iterative Curriculum Enhancement	. 33
	5.2.3 Continuous Faculty Development	. 34
	5.2.4 Stakeholder Engagement and Feedback Loops	. 34
	5.2.5 Benchmarking and Global Best Practices	. 34

5.2.6 Technology-Enabled Learning Innovations	35
6. Conclusion	35
7. References	38
Appendix A List of Figures	41
Appendix B Curriculum Vitae	42
Appendix C	47

1. Introduction

The educational institution ITC London requires innovative approaches and creative techniques to maintain operational excellence combined with worldwide influence and leadership positions in AI-based education. The key to organizational success lies in efficient decision-making and problem-solving, which resolve complex system problems and enable organizations to respond to technological changes while securing long-term growth (McKinsey, 2020). ITC London positions itself as an international educational leader that uses artificial intelligence and digital platforms to provide top-quality learning opportunities. Since the institution grows its operations by adopting new technology, it needs to develop methodical solutions along with inventive approaches to problem-solving and decision-making. ICT London's strategic mission drives updates in global expansion, operational efficiency, and educational innovation. The necessary change worldwide, according to our standpoint, has failed to be created by the Western education systems [Gold Minds Obeng, 2009]. In order to maximize organizational performance and fulfill its strategic objectives during global expansion supported by AI, ITC London needs to create a structured and collaborative decision-making process.

For worldwide transformative educational programs, potentially non-regular programs that are adaptable have been developed by the project to align with ICT London's plan. The conceptual framework of the methodology brings in innovation-driven processes to improve stakeholder relationships and improve operational excellence. This framework delivers successful outcomes for long-term operational success through Artificial Intelligence-based insights and functional collaboration of integrative approaches, ensuring successful deliverability and effective governance.

2. Background and Context

2.1 The Impact of Western Education on the Rest of the World - An Analysis

Historically, cultural advancement and economic development have been driven by the essential force of education. Major changes to world education practices are a result of curriculum structure alongside research-based teaching methods and critical learning approaches that have been featured in the Western educational model. Numerous developing countries are adopting Western educational models to promote scientific advancements via economic growth, technological progress, and governmental frameworks. Different levels of influence are established by Western education within numerous regions of global territory.

Western nations have achieved continuous economic growth through their educational systems. However, developing countries struggle to reproduce this impact on their development. This essay demonstrates that Western education created varying distributions of advantages across world regions by providing examples and supporting data with graphic elements. The analysis prioritizes economic development combined with technological advancement as well as human resources development through examination of obstacles that limit Western educational approaches in non-Western cultural settings. The identification of a better understanding of these barriers will enable ITC London to develop creative solutions for our better approach formulation.



Figure 1c. Education is meaningless, lacking inclusiveness and levelling capabilities in the global world. -ITC London 2024

2.2 Objectives

This work aims to bridge the gap in Western education, address global needs, and explore ways of addressing these gaps. Part of the objective is to embark on an analysis that prioritizes economic development combined with technological advancement as well as human resources development. This is achieved through the examination of obstacles that limit Western educational approaches in non-Western cultural settings. In doing so, there is a need for a proper understanding of the scope of challenges and possible ways of arriving at plausible solutions. The identification of a better understanding of these barriers will enable ITC London to develop creative solutions for a better approach formulation. The following sections examine trends in global education and economic development through the lens of recent data and global trends.

2.3 The Global Influence of Western Education

2.3.1 Relationship between Economic Growth and Human Capital and Literacy Rates

The connection between Western education, better GDP per capita, and improved human capital development remains robust (see Figure 2]. The economic power of nations increases when they possess high literacy levels together with robust educational structures.

Figure 2 shows how regions compare regarding GDP per capita and literacy rates.

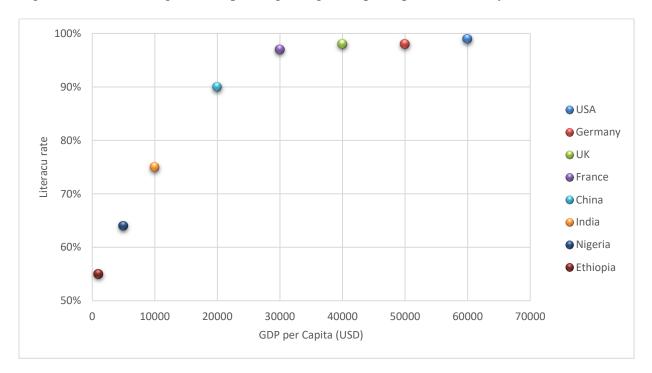


Figure 2. GDP Per Capita vs Literacy Rates of countries (2023) (Source: World Bank, 2023)

The data presented in Figure 2 clearly shows a correlation between the level of literacy and the size of the GDP per capita, highlighting the important function that education plays in achieving economic development. Countries with high literacy rates, especially the nations of the West, generally have better economic performance, as indicated by the high GDP per capita. However, Figure 2 also highlights discrepancies among the developing nations, as a rise in literacy is not always accompanied by economic development. This inconsistency demonstrates

that although literacy is an important variable, other complicated problems—such as a lack of investment in research, development, and modern educational infrastructure—prevent economic development in these nations (Jahantab, 2021).

These results underscore the urgent need for education solutions beyond traditional literacy initiatives in the context of AI-supported learning. AI tools have the potential to bridge these divides by customizing learning environments, designing curricula to meet local economic needs, and increasing access to quality educational resources in different economic environments (Jahantab, 2021). As ITC London seeks to expand its global educational reach, the incorporation of AI into curriculum design will be the key to enhancing literacy and facilitating global economic participation (Chari, 2024).

2.3.2 Research and Innovation

When it comes to research and innovation, the evidence in Figure 3 (compared with Figure 2) displays a direct correlation between literacy levels. In effect, Western countries like the United States, Germany, and the United Kingdom have both strong literacy statistics and high GDP per capita measurements. However, South Asian and African countries may demonstrate strong reading skills but produce limited economic results despite their educational achievements. Also places like China [Japan, and South Korea], where there's more emphasis on 'local and national language' [and not a Western language] as a measure of literacy, seem to do well in economic development. These findings present another twist to the discussion. In effect there may be more to the puzzle as to why Third World Countries are not realizing the full benefit of Western Education. The next section explores more studies that highlight disparities in economic development between Third World Countries and the West.

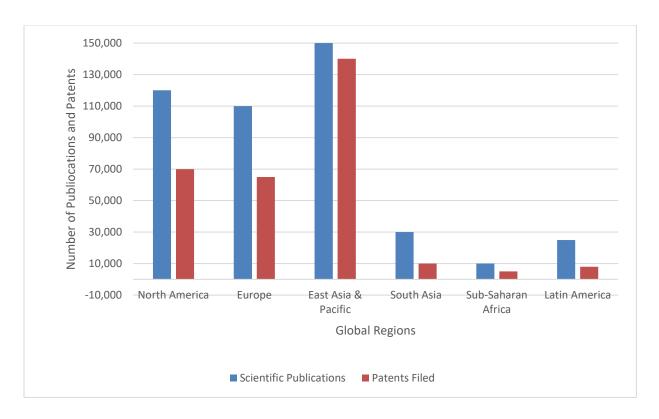


Figure 3. Scientific Publications and Patents by Region (2022)

(Source: UNESCO Science Report, 2022).

The research output of Western nations predominates in the global scientific landscape, while the US and European countries, together with Japan, maintain the highest number of academic papers and patents. Some areas in Africa and parts of Asia are behind Western nations because of insufficient research funds combined with weak infrastructure systems and skilled professionals choosing careers at Western educational institutions (Attach, 2015).

2.4 Why the Same Economic and Developmental Impact is Not Felt Equally Worldwide2.4.1 Structural Inequality in Educational Access

Inequality regarding access to quality education stands as a primary obstacle blocking the success of Western education systems in non-Western territories. Most developing nations face challenges with both scarce infrastructure and insufficient funding, along with a lack of qualified

educational staff to carry out Western education programs properly. The chart in Figure 4 shows the variations in spending on education when measured against GDP.

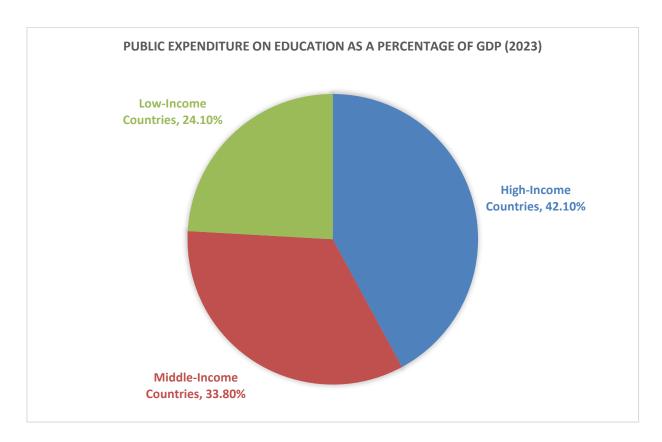


Figure 4. Public Expenditure on Education as a Percentage of GDP (2023), Source: UNESCO 2023

Figure 4 reveals Public Expenditure on Education as a Percentage of GDP (2023), which displays the budget allocations between low-income, middle-income and high-income countries according to UNESCO data (Source: UNESCO, 2023). Educational expenditure in OECD nations reflects 5-7% of GDP, while most developing nations only put away less than 3% of their GDP. The low investment levels result in inadequate schools alongside obsolete educational programs and minimal research funding, which limits the Western education model's effectiveness.

2.4.2 Cultural and Linguistic Barriers

Western-designed education systems contain core elements of Western cultural values along with languages that become obstacles during implementation in Eastern [and other] nations. The educational system in developing countries becomes more inaccessible to local populations because Western languages, such as English, along with other Western languages, push out indigenous knowledge systems and languages (Brock-Utne, 2018). In effect, literacy is measured by the knowledge of English, French, German or Portuguese as opposed to the mother tongue. This situation poses a barrier or hurdle for people in the Third World to overcome, and it requires a lot of resources, money, and time. The result of a young child struggling to catch up because the natural language is no longer of any significant value is reflected in Table 1 regarding the Primary Language of Instructions and Student Performance.

 Table 1. Primary Language of Instruction vs. Student Performance (2023)

Dagion	Primary Language of	Average Student Performance
Region	Instruction	(PISA Score)
North America	English, French	540
Europe	English, German, French	520
Sub-Saharan Africa	English, French, Portuguese	380
South Asia	English, Hindi, Bengali	410

(Source: OECD PISA Report, 2023).

Student academic performance increases when their education focuses on their native language, as shown in Table 1 together with the graph visual. The educational experience of

students from African and South Asian regions becomes limited because of difficulties in second language learning, which hinders their understanding and academic achievements.

2.4.3 Mismatch Between Education and Local Job Markets

The impact of Western education on developing countries remains limited because educational systems in these nations fail to match their curricula with domestic labor requirements. Vacant positions in developing countries often require professionals with education in subjects other than what graduates from local universities are studying.

Employment rate statistics between graduates of Western regions and non-Western areas can be observed in Figure 5.

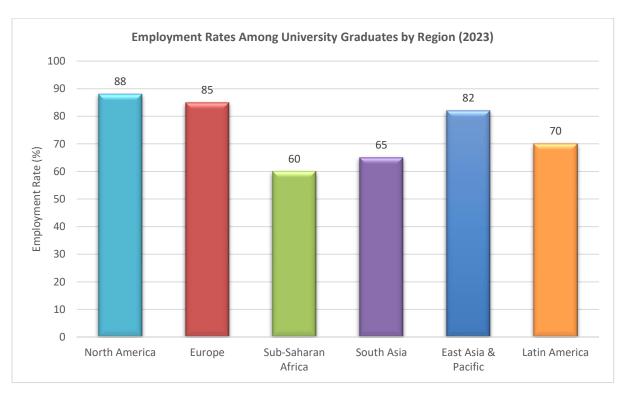


Figure 6. Graduate Employment Rates by Region (2023)

(Source: World Economic Forum, 2023)

Figure 5 illustrates the variation in the employment rates among graduates by region.

North America has the highest employment rate of 88%, followed by Europe with 85%; this

reflects their strong labor force and well-aligned education systems. East Asia and the Pacific also have a high employment rate of 82%, reflecting effective workforce preparation. In contrast, Latin America has a relatively lower employment rate of 70%, highlighting some issues with the capacity to absorb graduates into the labor market. South Asia (65%) and Sub-Saharan Africa (60%) have the lowest employment rates, possibly due to economic limitations, skills mismatches, and a lack of employment opportunities.

The statistics reflect a distinct correlation between economic development and graduate employability, highlighting the imperative need for modernization of the curriculum and skills-based learning in the underperforming regions (Barakat, 2023). AI-powered education could bridge these disparities through the alignment of the academic curriculum with the needs of the labor market, thereby enhancing global employment opportunities (Singh et al., 2925).

Numerous linkages between education policies and industry specifications in developed economies drive higher employment statistics. Graduates in developing areas experience difficulties obtaining suitable work opportunities primarily because these regions suffer from undersized economies, scarcity of industries, and skill deficits.

2.5 Policy Recommendations to Enhance the Impact of Western Education Globally

So far, the project has identified the main areas of challenge, namely, illiteracy, underfunding, inequality of access to education, and Cultural and Linguistic barriers. The nature of the challenges is not only monumental but also complicated. On the surface, they may require a 'top-bottom', as illustrated in Figure 6. Various policy changes must be implemented to achieve maximum developmental advantages from worldwide Western education programs.

Increased Investment in Education Infrastructure

• Governments in developing nations must prioritize education funding, ensuring that schools and universities are equipped with modern facilities, digital resources, and trained educators (World Bank, 2022).

Localization of Curriculum

• Adapting Western education frameworks to fit local contexts by incorporating indigenous knowledge, languages, and economic realities can make learning more effective and relevant (Brock-Utne, 2018).

Stronger University-Industry Collaboration

• Aligning education with labour market demands through vocational training, apprenticeships, and industry partnerships will help bridge the gap between education and employment (McKinsey & Company, 2021).

Leveraging Technology for Distance Learning

 The rise of online education and AI-powered learning platforms can help developing nations overcome barriers to quality education. Investments in digital learning can provide students in remote areas with access to worldclass education resources (UNESCO, 2021).

Figure 6. Recommended Policy Interventions

Although Western education has contributed to economic growth, increased research output, and human capital formation, its impacts are not evenly distributed across different regions, largely because of structural disparities, cultural barriers, and a curriculum that fails to often align with local labor markets (Wang & Wang, 2012). Traditional education systems struggle to fit the different needs of students across the globe, which inhibits their capacity to successfully address such disparities. However, there exists a revolutionary potential in emerging technologies such as Artificial Intelligence (AI) to fill this void (Roll & Wylie, 2016). Alpowered advances in curriculum design offer a scalable, personalized, and flexible educational

model, transcending geographical, linguistic, and economic limitations (Ramkissoon, 2024). The next section discusses how ICT London can leverage the potential of AI to transform its global educational outreach and increase its impact.

3. Leveraging AI and Curriculum Innovation for Global Educational Outreach and Impact

Solutions alluded to in 2.4 are within the confines of an ideal world. They may be very hard or near impossible to implement. For one thing, they are quite complex and multi-layered, requiring the goodwill of the parties involved. However, the purpose of this project is to find ways of 'cutting through' and addressing some of the problems through the use of Artificial Intelligence. It is hoped that successful outcomes from initial pilots will provide the basis for engaging stakeholders all stakeholders with time.

3.1 AI Introduction

Artificial Intelligence (AI) technology continues to transform various industries, among which education is an essential sector. Artificial Intelligence technology possesses capabilities to eliminate geographical limitations and deliver individualized learning experiences for educational institutions worldwide. Due to its leadership position in educational innovation, ITC London has the unique capability to use AI-driven curriculum development to expand its global outreach and enhance its educational impact.

A complete structure based on artificial intelligence serves as the foundation for its integration across curriculum design as well as delivery methods and assessment systems.

It has the potential to allow access to knowledge and information in the remotest parts of the world. AI also has the capability of making these accessible in the local language and reflecting geography and culture. A flexible learning system should be based on data which provides

universal access to active student participation and academic achievement for communities from all economic backgrounds.

The proposed initiative will focus on resolving educational inequality problems together with exploring digital educational transformations and expanding capabilities across multinational markets. ITC London will enhance the accessibility and inclusiveness of its educational program through AI models that deliver personalized learning experiences which match worldwide employment requirements. The project details the AI-integrated curriculum innovation strategy for global expansion as well as its implementation sequence and anticipated results for ITC London.

3.2 The Role of AI in Education

3.3 Global Education Disparities and the Need for AI-Driven Solutions

Educational progress has failed to eliminate major differences between education systems worldwide. A lack of quality educational resources, together with unskilled educators and modern learning technologies, exists in several developing nations across the world. AI-based curriculum systems enable the closing of educational divides through their flexible, cost-efficient solutions that benefit students in underdeveloped areas.

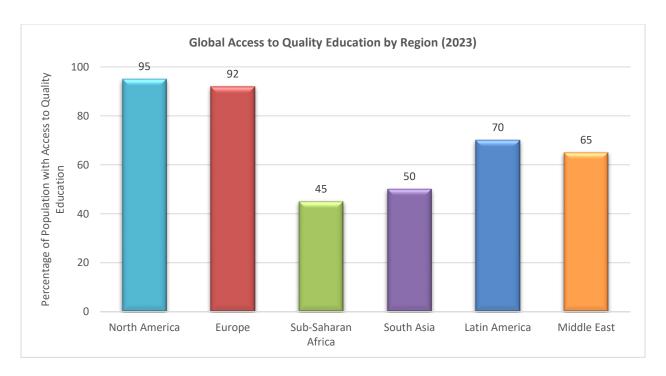


Figure 5. Global Access to Quality Education by Region (2023)

(Source: UNESCO, 2023)

Figure 7 presents the percentage of the population of each region with access to quality education. North America leads with a staggering 95% rate of access, followed by Europe at 92%, both indicators of highly developed education systems, strong funding, and a comprehensive range of high-quality learning material. In Latin America, the access rate stands at a moderate 70%, while in the Middle East, at 65%, shows that while an overwhelming majority of the population enjoys access to education, significant discrepancies remain due to economic and infrastructural issues. In contrast, South Asia's access rate drops to a mere 50%. Sub-Saharan Africa trails behind at 45%, highlighting the extreme lack of educational infrastructure, funding, and teachers.

This information highlights the global gap in learning opportunities, emphasizing the urgent need for new approaches, such as the integration of artificial intelligence into learning systems, to close these gaps (Strielkowski et al., 2024). Through the use of adaptive learning

technology, virtual learning spaces, and AI-powered instruction, developing countries can increase access, personalize learning experiences, and enhance academic achievement for disadvantaged groups (Strielkowski et al., 2024).

4. Strategic Plan for AI-Driven Curriculum Expansion

4.1 Objective

A curriculum model with AI capabilities will improve ITC London's worldwide reach by supporting diverse learning methods based on industry requirements.

For example, AI can be applied to boost literacy and break down language barriers just through the use of mobile phone technology or tablets. As a case in point, the need to learn the English language can be eliminated [or significantly reduced] by 'reverse literacy'. This comes about through the transformation of the English language content of the curriculum to a local language [both written and voice] with the help of AI applications.

The ultimate aim is to empower the local market trader from Sub-Saharan Africa and the 'street hawker' from Southeast Asia to be able to trade on Wall Street through precision AI translation without the need for a high score in literacy. The aim is for both to access, understand, and engage with the rest of the world principally through their language, culture and geographical location for a start. By doing so, it is hoped that learning of a Western Language will be boosted naturally, [actively or passively] along with the ability to engage confidently with the rest of world.

4.1.1 Key Focus Areas

1. The wider context is to create a mode for Schools to utilize Artificial Intelligence adaptive learning models to adjust their teaching materials based on student speed and preferred content choices.

- 2. The AI-controlled digital learning system enables ITC London to establish curriculum development, resulting in online as well as mobile phone or tablet educational delivery. One can envision a situation where locals are empowered to know, learn and discover everything on Facebook through AI without all the linguistic hooks and barriers.
- 3. AI content for learning needs strategic modifications to achieve compatibility between the diverse cultural backgrounds of the students the school supports. This should help boost the uptake of these programs.
- 4. Student relationships improve, and students become more motivated through AI chatbots and virtual tutors [including those in local languages and cultures] working alongside culturally diversified gamification elements in the curriculum.

4.2 Implementation Roadmap

The execution of AI-driven curriculum expansion will follow a phased approach:

Phase 1: AI Curriculum Development (Year 1)

Conduct research on AI-powered curriculum design best practices: As AI is new and evolving, there is a need to get in now and be part of the evolution. This could be enhanced through developing partnerships with AI education technology providers. Once partnerships are established, the next stage would be to Pilot AI-driven learning modules across select ITC London courses.

Phase 2: Digital Learning Platform Deployment (Year 2)

In the second year, ITC London hopes to Launch AI-integrated digital learning platforms with multilingual capabilities. This will be followed by Training faculty and educators on AI-driven teaching methodologies. Finally, ITC London will deploy initial AI-enhanced courses in key global markets by leveraging our existing partnerships with online learning providers.

Phase 3: Global Scaling and Optimization (Year 3)

The final phase is about Expanding AI-driven curriculum offerings across new international regions. This could be achieved through establishing strategic alliances with global educational institutions. It would also require optimizing AI algorithms based on real-time learner data insights.

4.3 Technology Infrastructure for AI-Driven Education

4.3.1 AI-Powered Learning Platforms

The infrastructure through which the courses will be delivered is artificial intelligence, which powers the learning management systems. Individualized learning recommendation capabilities to students are incorporated through these platforms by Machine Learning Algorithms—students from around the world learn using Natural Language Processing tools that automate content translation. Virtual Assistants provide real-time student guidance and support.

4.3.2 Big Data and Learning Analytics

Student commitment is evaluated using AI analytical tools along with educational program efficiency and educational pattern developments. Educators will predict learning in a flow diagram [similar to or], as seen in Figure 8. Learning deficits can be improved by analyzing data to improve educational content based on gathered insights. ITC London will incorporate learning outcome tracking by big data technology, which lets the institution deliver meaningful data insights and enhance curriculum resources for its educational leaders and instructional personnel.

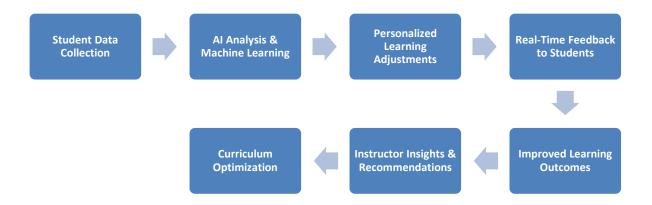


Figure 6. AI-Powered Learning Analytics Workflow

(Source: McKinsey & Company, 2022)

Figure 8 presents an AI-based learning process that optimizes learning experiences using data analysis, adaptive learning adjustments, and real-time feedback. The process starts with the collection of student data, where learning behavior, performance, and levels of engagement are obtained. The data forms the basis for AI-based analysis. Then, the data that has been gathered is examined by AI analysis and machine learning algorithms in order to detect patterns, weaknesses, and strengths of the students. In this way, AI develops an understanding of how each student engages with the curriculum. The system applies personalized learning accommodations based on these understandings, rendering educational content, pacing, and instructional methods relevant to each student's individual requirements.

Next, the students are given instant feedback so that they can monitor their progress and make apt changes in the learning process. This instant response system adds to improved participation and understanding. Improved insights also lead to improved learning outcomes since students are able to modify their study behavior according to AI-based suggestions.

The procedure extends to instructor recommendations and insights, wherein educators receive data-driven feedback to enhance their methods of teaching. These types of recommendations allow instructors to pinpoint struggling students and customize lesson plans accordingly. Lastly, the system allows for curriculum optimization, making sure that educational content is kept relevant, effective, and aligned with changing learning requirements.

4.3.3 AI-Enhanced Assessment and Accreditation

The expansion of artificial intelligence in ITC London's curriculum will include a vital element called smart assessment models. The system will conduct grading functions automatically to reduce faculty labor demands. The system will discover learning gaps that affect students, which will help guide purposeful interventions to cover these areas. Students will achieve higher academic integrity through AI tools which detect plagiarism and confirm work authenticity. Learning assessments at ITC London will benefit from AI implementation to deliver fair and efficient evaluation, which will lead to continuous academic growth.

4.4 Global Market Expansion and Partnerships

To maximize global outreach, ITC London will [in the medium to long term] establish strategic partnerships with universities, governments, and industry leaders. As shown in Figure 9, these.

These collaborations will facilitate initiatives such as:

Joint AI Research Initiatives: This is done by collaborating with academic institutions on AI applications in education.

Government-Funded Learning Programs: By Partnering with governments, ITC London hopes to implement some AI-based education, thereby allowing access to mainstream learners.

Corporate Training Solutions: ITC London will create programs offering AI-powered workforce development programs to multinational corporations. Doing so will pave the way for creating awareness partnerships with the corporate world.

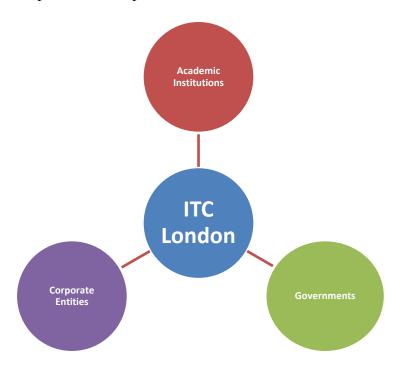


Figure 7. Strategic Partnership Model for AI Education Expansion

(Source: ITC London, 2023)

4.5 Extended List of Possible Stakeholders within the AI-Driven Curriculum Framework at ITC London

A well-structured AI-driven curriculum framework requires collaboration between multiple stakeholders to ensure its success. These stakeholders can be categorized into internal stakeholders, external stakeholders, and regulatory/governmental bodies. Below is a comprehensive list of all possible stakeholders involved

4.5.1 Internal Stakeholders

Internal stakeholders are directly involved in the implementation, management, and delivery of AI-driven education at ITC London. Internal stakeholders include Academic

Leadership and administration, which encompasses the Board of Directors and senior Leadership responsible for overseeing strategic direction, budget allocation, and long-term vision and Deans and heads of Departments who are responsible for curriculum design, faculty management, and academic policies. The Program Coordinators ensure AI tools are implemented within educational programs while directing curriculum creation activities.

Faculty & Educators Academic personnel, including both professors and lecturers, need to create and present AI-enriched learning materials to their students. Academic researchers need to conduct AI education effectiveness research because they should investigate new teaching approaches through their studies. AI and data Science subject matter experts should assist teachers in embedding artificial intelligence components inside classroom learning materials and grading systems. In addition, Course Designers and curriculum Developers should adapt traditional curriculum frameworks to AI-powered formats.

4.5 Stakeholders and Their Roles in AI-Driven Curriculum Implementation at ITC

London

The successful implementation of AI-driven education at ITC London relies on the collaboration of multiple stakeholders, each playing a vital role in the integration, management, and development of the curriculum. These stakeholders can be categorized into internal stakeholders, external stakeholders, and government and regulatory bodies. Interdependence between them is shown in Figure 10.

4.5.1 Internal Stakeholders and Their Roles

The internal stakeholders are academic leadership and administration, faculty educators, students and learners, and the technical support team. Their roles are described below.

Academic Leadership & Administration

The **Board of Directors and senior Leadership** oversee the strategic direction of AI integration, ensuring that the curriculum aligns with ITC London's long-term vision, budget priorities, and institutional goals. They play a key role in decision-making regarding resource allocation and technological adoption.

Deans and heads of Departments are responsible for curriculum design, faculty management, and setting academic policies. Their leadership ensures that AI-driven courses meet institutional and accreditation standards while fostering innovation in education.

Program Coordinators ensure the successful implementation of AI tools within course offerings. They manage curriculum development, collaborate with faculty members, and oversee the seamless integration of AI into academic programs.

Faculty & Educators

Professors and lecturers are responsible for creating and delivering AI-enhanced course content. They incorporate AI tools into teaching methodologies to provide students with interactive and personalized learning experiences.

Academic Researchers conduct studies to evaluate the effectiveness of AI in education. Their research explores the impact of AI-driven learning models, helping refine teaching strategies and optimize student engagement.

AI & Data Science Experts support faculty in embedding AI-driven features such as automated grading, adaptive learning systems, and personalized feedback tools into coursework. Their expertise ensures that the AI technologies used are cutting-edge and align with academic objectives.

Course Designers and curriculum Developers modify traditional curriculum structures to fit AI-powered formats, ensuring that AI is seamlessly integrated into lesson planning, assessments, and learning outcomes.

Students & Learners

Undergraduate and postgraduate Students serve as the primary users of AI-driven educational tools. Their engagement and feedback are critical in assessing the usability and effectiveness of AI-driven learning materials.

Lifelong Learners & Professional Trainees participate in AI-powered skill development programs designed for continuous education. Their experiences shape how AI is utilized in adult learning and vocational training.

Student Unions & Advisory Groups represent the concerns of students regarding AI-driven education. They provide valuable feedback to faculty and administration, advocating for student needs in the learning experience.

Technical & Support Teams

IT and AI Development Teams are responsible for implementing and maintaining AI-driven learning platforms. They ensure the seamless operation of AI tools, troubleshoot issues, and oversee system updates.

Librarians & Digital Resource Managers handle AI-powered research tools and digital repositories, ensuring students and faculty have access to AI-assisted learning resources.

Quality Assurance & Compliance Officers monitor AI implementation to ensure ethical use, data security, and compliance with academic policies and international regulations.

4.5.2 External Stakeholders and their roles

External stakeholders consist of Industry Partners and employers, Educational Institutions and technological support for AI-driven curriculum implementation. Academic Networks,

Potential Investors and Funders, Parents and Guardians, Government and Regulatory Bodies, and Social and Ethical Oversight Groups. Again, their potential roles or input are outlined below.

Industry Partners & Employers

Tech Companies such as **Google, Microsoft,** and **IBM** provide AI technologies, research collaborations, and funding opportunities to facilitate AI integration in education.

Corporations and business Leaders offer insights into industry-specific skills required for AI-powered careers, ensuring that AI-driven curricula align with market demands.

Startups and innovation Hubs engage in AI research collaborations, testing innovative applications of AI in education and providing real-world learning experiences.

Educational Institutions & Academic Networks

Partner Universities and colleges share faculty expertise, conduct AI research collaborations, and participate in faculty and student exchange programs.

International Education Bodies such as **UNESCO** and the **OECD** provide best practices, global benchmarks, and recommendations for AI adoption in education.

Open Online Education Providers such as **Coursera** and **edX** support AI-driven content delivery, offering certifications and expanding ITC London's global reach.

Investors & Funding Bodies

Venture Capitalists and EdTech Investors fund AI curriculum development, supporting research and innovation in AI-powered education.

Research Grants and Non-governmental Organizations (NGOs) provide financial assistance for AI-driven learning initiatives, helping ITC London expand access to AI-enhanced education.

Parents & Guardians

Parents of Undergraduate Students provide feedback on the effectiveness of AI-driven education and assess how AI impacts student learning and career readiness.

Alumni Networks contribute mentorship, funding, and insights into curriculum development based on their professional experiences with AI technologies.

4.5.3 Government & Regulatory Bodies

Government Agencies & Educational Regulators

Ministries of Education in the UK and the US regulate AI-driven education standards, ensuring compliance with national educational frameworks.

Accreditation Bodies such as **QAA**, **Ofqual**, and **AACSB** evaluate AI-integrated courses to certify their academic credibility and industry relevance.

Data Protection Agencies, including **ICO** and **GDPR,** oversee AI-driven education systems to ensure compliance with data privacy laws and ethical AI usage.

International and National Policymakers influence policies related to AI adoption in education, ensuring that ethical considerations, accessibility, and technological advancements align with educational reforms.

Table 2 below provides a structured hierarchy of how these stakeholders interact.

	Role & Contribution	Interaction with Other
Stakeholder Group		Stakeholders
Primary Stakeholders		

		Interaction with Other
Stakeholder Group	Role & Contribution	Stakeholders
ITC I and an I and auchin	Oversees AI implementation and	Collaborates with educators, tech
ITC London Leadership	curriculum development	providers, and policymakers
Educators & Trainers	Implement AI-driven teaching	Work with students and ITC
Educators & Trainers	methods	London leadership
Students & Learners	Engage with AI-enhanced	Provide feedback to educators and
	educational content	developers
Secondary Stakeholders	3	
Government Education	Set policies and regulations for	Coordinate with ITC London and
Departments	AI-based education	research institutions
Technology Providers	Develop AI-driven learning tools	Work with educators and ITC
and AI Developers	and infrastructure	London
Research Institutions	Conduct studies on AI's impact	Share findings with policymakers
Research Institutions	on education	and ITC London
External Partners		
Employees & Ledwitter	Define workforce skill	Callah anata with ITC I and an and
Employers & Industry Leaders	requirements for AI-based	Collaborate with ITC London and students
Leauers	learning	students
International NGOs &	Provide funding and advocacy for	Partner with policymakers and
Foundations	AI in education	research institutions

Stakeholder Group	Role & Contribution	Interaction with Other Stakeholders
Policymakers &	Establish guidelines for AI ethics	Interact with government bodies
Regulatory Bodies	in education	and research organizations

Social & Ethical Oversight Groups

Ethics Committees, together with AI Governance Groups maintain responsible, regulated AI practices, use them in education to prevent algorithmic bias, ensure fairness, and manage data security issues. Special advocacy groups focused on inclusion and accessibility must ensure that AI tools serve all students regardless of learning differences or abilities—the fundamental requirement for the succession of ICT London standards.

Accessibility and Inclusion Advocacy Groups work to ensure that an AI-driven curriculum is the successful participation of various stakeholders. For global recognition purposes, learning tools accommodate students with disabilities and diverse learning needs, promoting inclusive education. In effect, each stakeholder plays a crucial role in the development of ITC London's innovative AI-based educational framework, which depends on productive teamwork between regulatory institutions, industrial organizations, implementation, and school faculty members. Decision-making processes participated in by all stakeholders will facilitate the continuous improvement of AI-driven curricula at ITC London. While academic leadership and faculty ensure the effective delivery of AI-enhanced learning, external stakeholders such as industry partners and investors contribute resources and technological expertise. Government agencies and regulatory bodies provide oversight to ensure AI's ethical use and compliance with

educational standards. The collaboration of all these stakeholders ensures that AI-driven education remains innovative, accessible, and aligned with industry needs.

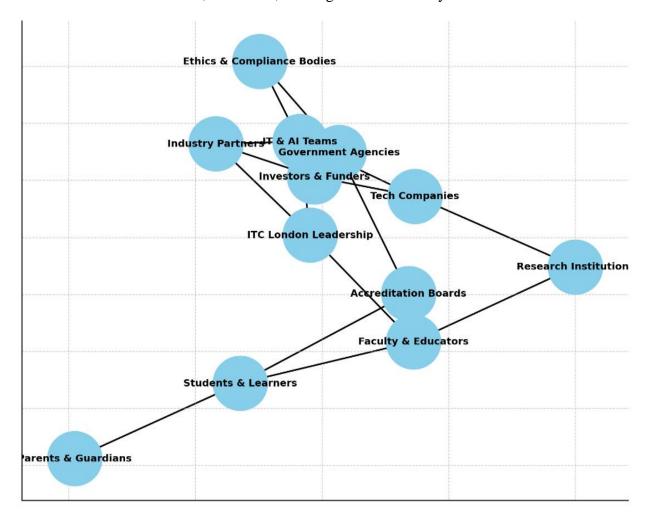


Figure 8. Independence of Stakeholders in AI-Driven Curriculum Delivery

Ethics Committees and AI Governance Groups should work together to implement responsible AI practices, prevent biased systems, and control data security. Special advocacy groups focused on accessibility and inclusion must verify that AI tools serve every student regardless of ability or learning differences. For an AI-driven curriculum to succeed at ITC London, the successful participation of various stakeholders is a fundamental requirement. The development of ITC London's innovative AI-based educational framework depends on productive teamwork between school faculty members and industrial organizations together with regulatory

institutions for global recognition purposes. All stakeholders participating in decision-making processes will improve both the uptake of AI-driven learning solutions and their scalability and ethical characteristics.

4.6 Challenges and Risk Mitigation

Proper management of the opportunities and potential issues is needed through AI-driven education, which includes the following:

- 1. Data protection and safety need strong cybersecurity measures to guard student information.
- 2. Underserved communities lacking internet access require digital diversity and education equity by availing AI learning materials.
- 3. Regulatory Compliance –accreditation requirements and adhering to global education standards. Students must participate in ongoing assessment procedures and work with policy leaders and stakeholders in order to achieve ethical and equitable integration of AI that maintains cybersecurity policies to achieve these goals.

4.7 Expected Outcomes and Impact

The opportunities through AI-driven education need proper management of potential issues, which include the following:

- 1. A robust data protection system based on cybersecurity protocols should support student information security.
- 2. All regions, including poor areas which have limited access to the internet, should receive AI-driven learning materials that are accessible across the board.
- 3. Regulatory Compliance Adhering to global education standards and accreditation requirements. To achieve ethical and equitable integration of AI, students must participate in

ongoing assessment procedures that maintain cybersecurity policies and work with stakeholders and policy leaders to achieve these objectives. Expected outcomes are measured according to Table 2 or projected according to Table 3.

Table 2. Projected Impact of AI-Driven Curriculum at ITC London (2024-2027)

Metric	Current	Year 1	Year 2	Year 3
	(2023)	(2024)	(2025)	(2026)
Student Enrolment Growth (%)	0%	10%	25%	40%
AI-Powered Course Offerings	0	5	15	30
Global Market Expansion (New Countries)	0	3	8	15
Student Satisfaction Score	75%	85%	90%	95%

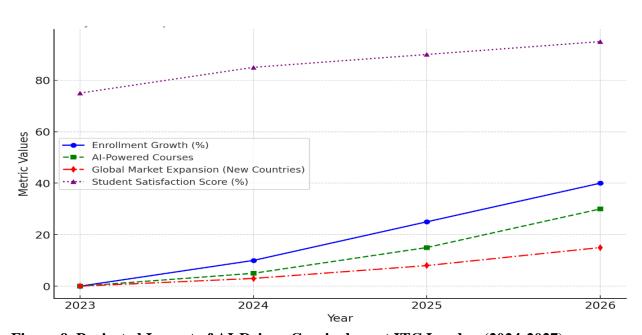


Figure 9. Projected Impact of AI-Driven Curriculum at ITC London (2024-2027)

Figure 11 illustrates how the AI curriculum at ITC London is expected to grow from 2024 to 2027. The envisioned development of student recruitment rates, the expansion of AI-curriculum services into new geographical territories, and enhanced student satisfaction appear throughout the displayed graph.

5. AI Breaking Language Barriers in Business in Africa – Case Studies

The main obstacle that prevents development in third-world countries stems from their incapability to convert lessons into commercial business opportunities. ITC London should reconnect its collaboration with pipe-type organizations to create incentive programs that develop knowledge centers as well as empower current centers to explore project commercial viability and obtain funding through initial public offerings [IPO]. It is observed that nations like China, South Korea, and Japan that use national language as the main official language and medium of development as opposed to a second language tend to do well in converting knowledge articles into commercial viability ventures. (Sungwon, 2017).

5.1 Measuring and Evaluating Outcomes at ITC London

The evaluation and measurement process are fundamentally important in examining how well ITC London manages its AI curriculum alongside its worldwide educational projects. The institution can track its advancement and improve teaching methods, as well as adapt educational programs to suit student requirements and market needs through organized evaluation methods. ITC London will develop a data analysis structure supported by artificial intelligence analytics to monitor success indicators through key performance indicators (KPIs).

5.1.1 Student Learning Outcomes and Performance Metrics

The academic effectiveness of ITC London will be determined by three assessment methods, which include AI-powered assessments, standardized testing and competency-based

evaluations. AI-driven platforms evaluate student participation metrics and hold information about student maintenance rates alongside their accomplishment patterns to deliver individualized educational perception records (McKinsey & Company, 2022). The academic indicators for evaluation include the following: AI systems will analyze assessment results to track students' subject proficiency improvement rates. Educational platforms will track the completion rates by recording the percentage of students who complete their courses. The amount of time students spends using the platform alongside their interactions will be tracked by AI through its engagement level analysis mechanism. Skill acquisition will be measured through AI-based analysis of student progression in key competencies.

5.1.2 AI-Driven Predictive Analytics for Academic Success

The predictive analytics system operated by ITC London will detect students who need help early so proper support can be provided. AI models will study historical educational data to identify students who need help and then supply one-on-one assistance recommendations (World Economic Forum, 2023). Using this method enables institutions to provide active support before students face challenges, thus improving educational results.

5.1.3 Faculty and Curriculum Effectiveness

Educational quality depends heavily on successful assessment methods for faculty performance. The AI system at ITC London will utilize evaluation methods based on artificial intelligence for both instructor feedback and assessment of peer performance, including real-time evaluation tools. The metrics that will be used include the following: The institution will collect feedback from students through surveys that measure course-delivery satisfaction. The educational institution uses AI analytics to verify that its curricula follow current industry developments. The system will utilize analytics to track instructors by measuring their

engagement with students and their learning impact and teaching methods (Harvard Business Review, 2021).

5.1.4 Employment and Career Progression Metrics

The real-world impact assessment of ITC London consists of following graduates' career path advancement. Metrics include the following: The institution tracks employment statistics of graduates who finished their courses within six months. The organization conducts surveys focused on employer satisfaction with ITC London graduate competencies (UNESCO, 2023). The engagement of the alumni network would include monitoring participation in programs for mentorship and professional development.

5.2 Ensuring Continuous Improvement at ITC London

The fundamental principle of ITC London's strategic approach entails continued improvement to sustain leadership within worldwide education developments.

5.2.1 AI-Enabled Adaptive Learning Systems

Real-time learning analytics enabled by AI platforms enable ongoing content modification. AI systems work through learning patterns, and students struggle to modify instructional content, learning difficulty scales, and teaching methods (Brynjolfsson & McAfee, 2020). The modifications make sure students benefit from individualized and efficient learning packages.

5.2.2 Iterative Curriculum Enhancement

ITC London has created a formal cycle that integrates faculty members and AI systems with industry experts to develop modified course content through student performance trends to show which subjects require additional educational support. The institution will use these methods to ensure that industry developments match marketplace requirements. The same will

also help facilitate employer and alumni feedback to gauge real-world applicability (McKinsey & Company, 2022).

5.2.3 Continuous Faculty Development

Educational staff act as key drivers who advance ongoing enhancement initiatives. ITC London will conduct: The system utilizes artificial intelligence to conduct evaluations of instructor teaching quality through feedback reviews. The institution will carry out constant digital teaching method training sessions to help teachers build better competency with digital instruction methods. The organization provides research and innovation grants to faculty members as motivation for developing innovative educational approaches (OECD, 2023).

5.2.4 Stakeholder Engagement and Feedback Loops

Students, along with faculty members, industry partners, and alumni, will be actively involved in decision-making procedures at ITC London to guarantee effectiveness and relevance. Strategies will include quarterly advisory board meetings with educational leaders and corporate partners, Faculty feedback and AI-driven sentiment analysis of students. To conduct benchmark testing based on top performance standards worldwide, the institution builds collaborative ventures with other institutions (Harvard Business Review, 2021).

5.2.5 Benchmarking and Global Best Practices

Through participating in global benchmarking programs, ITC London will maintain performance evaluation and international rankings, such as the QS World University Rankings. The staff is able to share established practices and professional expertise through joint research projects pursued by the organization. We will also include participating in global accreditation platforms that enable the institution to maintain quality education compliance as outlined by UNESCO (2023).

5.2.6 Technology-Enabled Learning Innovations

Again, this will be measured through participating in global benchmarking programs. By doing this, ITC London will maintain its performance evaluation. Participating in international rankings like the QS World University Rankings and pursuing joint research projects should enable the staff to share skilled expertise and well-known practices. Participating in global accreditation platforms enables the institution to maintain quality education compliance as outlined by UNESCO (2023).

5.2.7 Enhancing Skills of Commercial Partnerships

Rapid changes in technology have left Western education struggling to keep pace; hence, students lack the experience required to tackle global issues that are evolving effectively.

Misplaced curricula also lead to the failure of many education systems due to the focus on outdated theories rather than practical skills. It is essential to enhance the skills of commercial partnerships to create both economic and technical solutions that are sustainable and feasible.

This approach will help to ensure the long-term success of the partnership and drive innovation.

One of the aims of ITC London is to leverage the ability of AI to enable subscribers to identify the commercial value of knowledge articles. The ability to promote and commercialize Third World Knowledge and Research should bring in the investment that will lead to jobs, more education and research, as well as improvement of the quality of life.

6. Conclusion

Western educational systems have transformed human resource capabilities development, technological progress and global economic dynamics. Various regions possess financial discrepancies, cultural differences and distinct economic disparities, hence the inconsistency in the influence of Western education. The Western states' educational systems deliver industrially-

effective economic growth. At the same time, poor implementation combined with resource constraints challenge multiple developing nations.

A combination of technological implementations and appropriate curriculum changes can achieve maximum benefit in developing nations from Western education models by implementing more investments. Creating globally oriented education structures that support learning and resonate with cultural practices and indigenous economic activities is an essential requirement. This approach, which decreases knowledge disparities, will enable the world to achieve greater educational equality between Western nations and other regions.

The creation of a new standard for worldwide learning through the implementation of AI in ITC London's educational curriculum will provide universal student enrollment and adaptable, customized courses that have a broad reach. ITC London will become a dominant leader in innovative global education through its relevant curriculum development, learning platforms and strategic partnerships. Higher education will be pushed further into the future through research investigating AI's capacity to deploy AI tutors alongside blockchain accreditation and generate digital credentials. World education discrepancies are eliminated by the AI-enhanced curriculum expansion at ITC London while establishing superior standards for important learning systems.

The educational outcome evaluation and commitment to perform by ITC London functions as the base that ensures both continuous development and development along with its position as a world-leading educational innovation authority. An adaptable learning environment will be created with specific feedback procedures and stakeholder contact points, with multiple systems managed by Artificial Intelligence at ITC London that meet industry needs and student requirements. By continuously improving curriculum content, ITC London will develop a

progressive learning environment along with faculty development while incorporating new technologies to appropriately educate students.

7. References

- Barakat, H. (2023). Nurturing Human Skills for Excellence: A Pathway to Success for IT Engineering Students and Graduates. *T I E Journal*, 1(2). http://ijtie.com/v102/n53
- Brynjolfsson, E. and McAfee, A., . (2020.) The Second Machine Age: Work, Progress, and Prosperity in a Time of Brilliant Technologies. New York: W. W. Norton & Company.
- Chari, S. G. (2024). Bridging Gaps, Building Futures: Tackling Socio-Economic Disparities

 Through Education and Technology. *London Journal of Research In Humanities and*Social Sciences, 24(16), 1-12.
- Harvard Business Review (2020).) 'Boards and Decision-Making: The Strategic Role of Leadership in a Rapidly Changing World.' Available at: https://hbr.org [Accessed: 12 February 2025]].
- Harvard Business Review, (2021.) 'The Future of Higher Education: Emerging Trends and Challenges.' Available at: www.hbr.org [Accessed: 15 February 2025]].
- Jahantab, Z. (2021). Role of education in national development. *Pakistan Journal of Applied Social Sciences*, 12(1), 87-108.
- McKinsey & Company (2020).) 'Decision-Making in the Age of Urgency: How Organizations

 Can Adapt to Rapid Change.' Available at: https://www.mckinsey.com [Accessed: 15

 February 2025]].
- McKinsey & Company, (2021) 'The Future of AI in Education.' Available at: www.mckinsey.com [Accessed 18 February 2025].
- McKinsey & Company (2022.) 'AI and the Future of Education: Personalization and Adaptation Strategies. Available at: www.mckinsey.com. [Accessed: 16 February 2025]

- McKinsey & Company. (2021). The Future of AI in Education.' Available at: www.mckinsey.com [Accessed: 18 16 February 2025]].
- Obeng, D.L. (2009).) Gold Minds. Chinese Edition,. 3 August, 2009.
- OECD, (2023.) Global Education Outlook: Trends, Challenges, and Innovations. Available at: www.oecd.org [Accessed: 20 February 2025].
- Ramkissoon, L. (2024). AI: Powering Sustainable Innovation in Higher Ed. In *The Evolution of Artificial Intelligence in Higher Education* (pp. 203-229). Emerald Publishing Limited.
- Roll, I., & Wylie, R. (2016). Evolution and revolution in artificial intelligence in education. *International journal of artificial intelligence in education*, 26, 582-599.
- Singh, T. M., Reddy, C. K. K., Murthy, B. R., Nag, A., & Doss, S. (2025). AI and education:

 Bridging the gap to personalized, efficient, and accessible learning. In *Internet of Behavior-Based Computational Intelligence for Smart Education Systems* (pp. 131-160).

 IGI Global.
- Strielkowski, W., Grebennikova, V., Lisovskiy, A., Rakhimova, G., & Vasileva, T. (2024). Aldriven adaptive learning for sustainable educational transformation. *Sustainable Development*.
- Sungwon, Y. (2017). Globalization and language policy in South Korea. In *Language policy*, culture, and identity in Asian contexts (pp. 37-54). Routledge.
- UNESCO, (2023.) Global Monitoring Report on Higher Education and Digital Learning.

 Available at: www.unesco.org[[Accessed: 20 February 2025]..].
- UNESCO. (2023).) Global Access to Education Report. Available at: www.unesco.org
 [Accessed: 20 February 2025].

- Wang, Y., & Wang, Y. (2012). Education in a changing world: Flexibility, skills, and employability (Vol. 69104). Washington, DC: World Bank.
- World Economic Forum, (2023.) The Future of Work and Learning: AI, Automation, and Skills Development. Available at: www.weforum.org [Accessed: 22 February 2025].

Appendix A

List of Figures

Figure 1a – Structure of Module 1
Figure 1b – Structure of Module 2
Figure 1c. Education is meaningless where it lacks inclusive and levelling up capabilities in a
global worldITC London 2024
Figure 2. GDP Per Capita vs. Literacy Rates of countries (2023)
Figure 3. Scientific Publications and Patents by Region (2022)
Figure 4. Public Expenditure on Education as a Percentage of GDP (2023), Source: UNESCO
20237
Figure 5. Graduate Employment Rates by Region (2023)9
Figure 6. Recommended policy interventions
Figure 7. Global Access to Quality Education by Region (2023)
Figure 8. AI-Powered Learning Analytics Workflow
Figure 9. Strategic Partnership Model for AI Education Expansion
Figure 10. Independence of Stakeholders in AL-Driven Curriculum Delivery
Figure 11. Projected Impact of AI-Driven Curriculum at ITC London (2024-2027)30
List of Tables
Table 1. Primary Language of Instruction vs. Student Performance (2023)Error! Bookmark not
defined.
Table 2. Projected Impact of AI-Driven Curriculum at ITC London (2024-2027)30

Appendix B

Curriculum Vitae

PERSONAL PROFILE

- Cambridge University Academic An innovative Lecturer in Mathematics and the Medical Sciences. A self-motivate, conscientious individual who shows commitment and determination in whatever I do.
- ➤ I have an excellent track record for maintaining a high standard of management portfolios as consultant educationists, through cautious approach to due diligence and rigorous application of knowledge, technical and fundamental analysis.
- ➤ I am a good communicator with high level of IT skills both practical and theoretical knowledge and would like to bring these performance enhancement skills into this field of work including online teaching.

EDUCATIONAL QUALIFICATIONS

2022-07 KYC and AML Compliance Certificate – Level 4

2009 Business Intelligent Analyst – Level 4

2007-2010 Institute of Learning -CPD[Mil] – 21936087 SQA – INTERNAL VERIFIER

[IV] Assessor –A1, OCR

2004-2005 University of Cambridge

Certificate of Enquiry in (Special & Inclusive Education)

1994-1996 Kings College, University of London

MSc Biomedical Research (Physiology, Biology, Statistics, Pharmacology).

1993-1994 United Medical & Dental Schools, Kings College (U of L)

BSc (Hons) Medical Physiology. (Physiology, Biology, Statistics).

1986-1989 *University of East London (Concurrent with Cert Ed/U of G)

BSc (Hons) (Physics, Mathematics, Electronic Engineering)

1986-1988 **University of Greenwich – Cert Ed (Concurrent with Bachelors

Program UEL) Certificate of Education (Adult and Further Education)

05 – 2003 Florida Teacher Certification – Mathematics Teaching

1999-2000 Connectivity/Scheidegger Training

Association of Computer Professionals (ACP) – Initial Award

Microsoft Certified Professional-MCP

Web Page Design – Dreamweaver (Intermediate level)

EMPLOYMENT HISTORY – AND PROFESSIONAL MEMBERSHIPS

2003- Date [ITC] -London and London Training College – Waterloo. Lecturer, Internal

Verifier – PTLLS, CTLLS, DTLLS, BASIC SKILLS, Health and Social Care.

This is an on-going task as I represent these centers as Assessor, Internal Verifier

and Director/Curriculum Manager.

Position Director/Senior Consultant and Training Manager – Train to Gain

Lecturer and Course Director – Mathematics, Functional Skills Numeracy,

Literacy, ICT and Lifelong Learning

Duties Teaching, Internal Processes and Quality Assurance, Partnership Manager

Sept 2009 Teacher and Curriculum Manager in Mathematics – Oasis Academy

- December 2009 One term contract helping out with curriculum development

1999-2003 Rokeby School London E15 (age range 11-16)

Position 4 Act. Deputy Head of Mathematics (2001-2002)

Duties Curriculum subject leader and teacher of Mathematics with responsibility of mentoring newly qualified teachers.

Delivery of curriculum subject - lesson planning, teaching, assessments,
 grading of students work, reports on student progress.

*Formerly called Polytechnic of East London

**Formerly called Thames Polytechnic

Position 3 Coordinator of Numeracy (2000-2001) Rokeby School

Duties Curriculum subject leader and teacher of Mathematics with responsibility of coordinating Numeracy and ICT.

 Delivery of curriculum subject, running catch-up programs and afterschool club.

Position 2 Teacher of Mathematics (1999-2003) Rokeby School

Duties Delivery of curriculum subject

 Lesson planning, teaching, assessments, grading of students work, reports on student progress.

EDUCATION/EMPLOYMENT HISTORY - NON -TEACHING

1984-1986 W Saunders LTD, London E10

Position Process Analyst

Duties This was an electroplating company where the duties were;

 Ensuring that the chemical composition of the plating components was within acceptable limits. • Supervising six staff members within my department.

My Business Analyst Areas of Expertise include:

Data and Data Science Theory/Statistics and Excel/Database theory/SQL/Tableau/ SQL + Tableau

Here are some more details of what I have covered with The Business Intelligence Analyst Program

- Introduction to Data and Data Science Make sense of terms like business intelligence,
 traditional and big data, traditional statistical methods, machine learning, predictive analytics,
 supervised learning, unsupervised learning, reinforcement learning, and many more;
- Statistics and Excel Understand statistical testing and build a solid foundation. Modern
 software packages and programming languages are automating most of these activities, but this
 part of the course gives you something more valuable critical thinking abilities;
- Database theory The underlying database theory why databases are created and how they can help us manage data
- SQL Work with SQL- This allows the Business Analyst to be independent and dig deeper into
 the data to obtain the answers to questions that might improve the way your company does its
 business
- Tableau one of the most powerful and intuitive data visualization tools available out there.

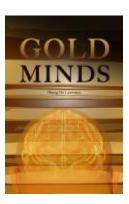
 Almost all large companies use such tools to enhance their BI capabilities. Tableau is the #1 best-in-class solution that helps you create powerful charts and dashboards
- Learning a programming language is meaningless without putting it to use. Integrating SQL and
 Tableau, and perform several real-life Business Intelligence tasks.

SPECIAL ACHIEVEMENTS

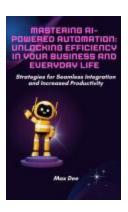
- ➤ Passed the NATIONAL THRESHOLD FOR EXCELLENCE (03 2001).
- > Establishment of Adaptation Programs for International Teachers in the United Kingdom
- ➤ Prestigious Thames Gateway International Business Award 2007
- Matrix Award 2007
- ➤ Educational Research and Publication Gold Minds -2009
- ➤ Successfully coordinating ICT and G&T programs within my department
- > An international speaker, educationist and instructor with three publications to my credit.

Appendix C

Business and Educational Publications:



GOLD MINDS By Obeng De Lawrence



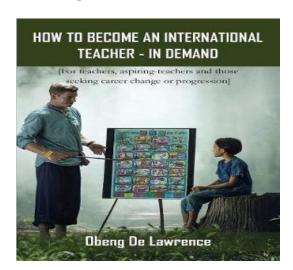
Mastering AI-Powered Automation: Unlocking efficiency in your Business and Everyday life
This book is organized to provide a clear and logical development from knowledge of the
fundamentals of artificial intelligence and automation to applying these principles in situations
that occur in the real world. To provide a strong basis for readers who may be unfamiliar with
these notions, we examine the most important technologies and the historical context in which
they have existed. Following this, we will move on to the more practical aspects of
implementation, providing insights into how artificial intelligence might improve the operations
of businesses as well as personal efficiency. In addition, we look into the future and anticipate
future trends, considering how new developments may influence the subsequent wave of AIpowered products.

ChatGPT for Newbies



ChatGPT for Newbies and Experts is your essential guide to mastering the powerful capabilities of ChatGPT. Whether you're a beginner looking to understand the basics or an expert seeking advanced techniques, this comprehensive book covers it all. Explore the fundamentals of AI and machine learning, discover practical applications, and learn how to integrate ChatGPT into various systems. Packed with tutorials, real-world examples, and best practices, this book will empower you to: Leverage ChatGPT for business. Enhance education with AI, Innovate in creative industries, Utilize ChatGPT for personal use, Unlock the full potential of ChatGPT and transform the way you interact with AI.

Becoming an International Teacher in Demand



How to Become an International Teacher - In Demand: [For teachers, aspiring-teachers and those seeking career change or progression]

Obeng De Lawrence (author)