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STUFFLEBEAM'S CIPP MODEL OF EVALUATION

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Abstract: *Evaluation is a central element in the teaching and learning process, yet it is often narrowly practiced in Nigerian schools as summative testing focused on grades and examinations. Such traditional approaches have been widely criticized for neglecting the contextual, instructional, and systemic factors that shape student outcomes, particularly in science education where performance and engagement continue to decline. This study explores the Stufflebeam CIPP (Context, Input, Process and Product) model as a holistic and decision-oriented alternative to conventional evaluation methods. The model emphasizes continuous improvement by interrogating not only results but also the needs, resources, processes, and impacts of educational programs. Drawing from empirical and theoretical literature, the work highlights how the CIPP framework can enhance curriculum delivery, teacher training, student assessment, and school improvement practices in Nigeria. It further analyzes contemporary adaptations of the model, including digital, culturally responsive, and sustainability-focused versions, thereby underscoring its flexibility in modern educational contexts. While challenges such as resource limitations, lack of evaluator expertise, and systemic resistance to data-driven decision-making remain, the study concludes that institutional commitment, evaluator capacity building, and integration of technology can foster effective adoption.*
Ultimately, the CIPP model offers Nigerian schools a pathway from judgmental evaluation toward developmental, evidence-based practices that support accountability, inclusivity, and long-term educational transformation.

Introduction

Academic processes cannot be a complete one without evaluation of teaching, learning,

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curriculum, teachers and the students. The holistic nature of evaluation makes it outstanding among other processes of teaching and learning. It is however facing numerous challenges ranging from teaching experience, curriculum error, systemic error, implementation error to mention but a few. In Nigeria, ineffective assessment practices have been widely blamed for declining academic achievement and poor student engagement, especially in science subjects such as Biology. This recurring problem necessitates a paradigm shift from traditional testing methods to more holistic and decision-oriented evaluation models. One of such model is the Stufflebeam Evaluation Model, also known as the CIPP model. The choice of this topic is anchored on the urgent need to adopt more comprehensive evaluation approaches that address not only outcomes but also the inputs, processes and contexts that shape learning.

Across secondary schools in Nigeria, there has been a persistent pattern of poor performance in science subjects, with Biology being particularly affected. Research conducted by Adewale and Odukoya (2021) revealed that students' disinterest in Biology is linked not only to teaching methods but also to narrow evaluation approaches that ignore learners' diverse needs and contexts. These challenges have also led to low enrolment into Biology-related disciplines such as Medicine, Pharmacy, and Biochemistry. As the Nigerian education system continues to reform its curriculum, assessment remains a critical gap that has not been fully addressed. Therefore, the need to re-evaluate evaluation practices is both timely and essential. Evaluation, in this regard, should not merely serve as a grading tool but as a mechanism for instructional improvement and policy refinement (Okoro & Ajayi, 2023). The CIPP model provides a framework that can help achieve these goals.

Evaluation plays a central role in determining the success of any educational program, yet it is often approached as an afterthought. Most current evaluation practices focus heavily on product assessment test results and examination grades without interrogating the foundational elements that contribute to those results. As noted by Yusuf and Ibrahim (2020), this outcome-centered model of evaluation neglects the learning environment, the inputs (such as teacher quality and instructional materials), and the process of learning itself. In contrast, the Stufflebeam CIPP model evaluates Context, Input, Process, and Product, thereby offering a multidimensional lens for educational assessment. This model ensures that all stages of educational programming are monitored and improved upon. By using the CIPP model, schools and education planners can make informed decisions that support both accountability and continuous improvement.

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In recent years, scholars and educationists have called for a shift toward formative and development-based evaluation practices that go beyond summative testing. According to Okonkwo and Nwafor (2022), the complexity of modern education systems requires evaluation strategies that are flexible, adaptive, and context-sensitive. The CIPP model meets this need by allowing evaluators to ask critical questions at each stage of a program's lifecycle: What needs to be done? How should it be done? Is it being done as planned? Did it succeed? These guiding questions help uncover gaps in program design and implementation. Moreover, the model aligns with global trends in evidence-based education and continuous professional development. In the Nigerian context, where educational interventions are often undermined by poor monitoring and feedback mechanisms, the CIPP model serves as a viable alternative.

The Stufflebeam Evaluation Model was developed by Daniel Stufflebeam in the 1960s and has since been refined to suit contemporary evaluation needs. What makes the model particularly relevant today is its emphasis on decision-making and accountability. Unlike traditional approaches that provide static judgments about learner performance, the CIPP model supports dynamic, ongoing evaluation throughout the duration of an educational program. It enables policymakers, administrators, and teachers to make data-informed decisions that can enhance the effectiveness of teaching and learning (Adetunji & Eze, 2021). Furthermore, the model's holistic nature allows for the inclusion of multiple stakeholders, students, teachers, administrators, and parents in the evaluation process. This inclusive approach ensures that evaluation outcomes are not only accurate but also actionable.

One of the strengths of the CIPP model is its adaptability to various educational contexts and disciplines. Whether used to assess curriculum reform, teacher training programs, or student performance in science education, the model provides a structured framework that encourages critical reflection. For example, the context evaluation phase helps identify the needs and expectations of students, especially in underserved or rural communities where resources are scarce. Input evaluation ensures that sufficient resources and plans are in place before program implementation. Process evaluation then monitors the actual delivery of the program, while product evaluation assesses its impact. This sequence promotes a culture of transparency, evidence-based practice, and continuous feedback (Nwankwo & Alabi, 2020).

In Nigerian secondary schools, applying the CIPP model could transform how teachers and administrators approach program planning and instructional delivery. Currently, many interventions are initiated without clear

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evidence of contextual needs or ongoing monitoring mechanisms. As observed by Chidiebere and Udoh (2023), failure to evaluate the implementation process often results in the abandonment or misdirection of educational initiatives. Through context evaluation, schools can first identify specific challenges such as lack of laboratories or unqualified science teachers. Subsequent stages of the CIPP model can then be used to assess whether recommended changes are being followed and whether the changes are yielding results. Thus, the CIPP model facilitates a more proactive and accountable education system.

Several national education policies have emphasized the importance of continuous evaluation, yet these have not translated into practice at the school level. Most schools still rely on end-of-term exams as the primary measure of student success. This approach not only limits feedback but also promotes rote learning, as students focus more on memorization than comprehension. In contrast, the CIPP model encourages deeper engagement by evaluating the entire learning journey from planning to outcome. According to Uche and Bello (2019), schools that adopted the model reported improved student participation and a better understanding of educational goals. Such findings reinforce the need for its wider adoption across Nigerian educational institutions.

Although the CIPP model requires training, planning, and institutional commitment, its long-term benefits far outweigh its implementation costs. By addressing evaluation as a tool for improvement rather than judgment, the model fosters a positive learning culture where feedback is constructive and continuous. Additionally, the model reduces the risk of program failure by identifying problems early in the implementation process. As noted by Edeh and Maduekwe (2024), many educational reforms in Nigeria fail because they are evaluated too late or not at all. Integrating the CIPP model into teacher education programs and school management practices can remedy this gap and create a sustainable evaluation culture.

Ultimately, the Stufflebeam Model for Evaluation represents a shift from inspection to insight, from judgment to guidance. Its focus on supporting decision-making through data and reflection makes it highly relevant to the Nigerian educational landscape, where challenges are often complex and multifaceted. As schools and educational stakeholders seek better ways to improve performance, equity, and accountability, models like CIPP offer a promising path forward. Evaluation is no longer just about answering *"Did we succeed?"* but also about asking *"Why or why not, and what next?* " In this light, the Stufflebeam model is not just

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an evaluation tool, it is a compass for educational growth and transformation.

Traditional Testing Methods

In the Nigerian educational system, evaluation has historically centered on traditional testing methods that prioritize summative and standardized assessments. These include end-of-term examinations, multiple choice tests, and standardized national examinations such as the West African Senior School Certificate Examination (WASSCE) and National Examination Council (NECO) tests. These tools largely focus on testing rote memory, emphasizing what students can recall rather than what they understand or can apply. According to Eze and Abah (2022), this outcome based model encourages surface learning, in which students memorize facts for short term success rather than developing a deep conceptual grasp of the subject matter, especially in science based subjects like Biology.

Continuous Assessment (CA) was introduced to provide a more ongoing and formative evaluation of student progress. However, in practice, it has largely become a fragmented extension of summative testing. Teachers often administer frequent quizzes, class tests, and assignments not as diagnostic tools but as a means to compile scores for cumulative grading. This defeats the purpose of formative assessment, which should inform instruction and support student learning (Adewale and Odukoya 2021). Rather than evaluating student progress holistically, CA has devolved into a mechanical procedure focused on fulfilling administrative requirements rather than guiding instructional improvement.

Furthermore, oral questioning, a potentially rich method of gauging student reasoning, articulation, and critical thinking, is often misused or inconsistently applied. In many classrooms, it is reduced to a series of closed ended questions that fail to probe the depth of students' understanding. Similarly, practical assessments in science subjects are either underemphasized or poorly administered due to a lack of laboratory facilities, overcrowded classrooms, and untrained personnel (Okoro and Ajayi 2023). This leads to an overreliance on theoretical instruction and written exams, thus marginalizing students who may excel in hands on or verbal expression of their knowledge.

Project based assessments, which could serve as an alternative pathway for evaluating creativity, problem solving, and research skills, are also underutilized. In schools where projects are assigned, they are often treated as mere formalities or copied from external sources with little teacher guidance or student engagement. Chidiebere and Udoh (2023) argue that the lack of authentic project based evaluation

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undermines learners' ability to think independently or connect classroom learning to real life problems. As such, evaluation becomes less of a tool for capacity building and more of a mechanism for sorting students based on test taking abilities.

Moreover, traditional methods rarely accommodate the diverse learning needs and sociocultural backgrounds of students. The standardized nature of conventional tests assumes a level playing field, ignoring disparities in access to resources, language proficiency, and learning styles. This is particularly detrimental in rural and underserved areas where students may not have access to textbooks, internet resources, or qualified tutors (Nwankwo and Alabi 2020). As a result, such evaluation systems perpetuate inequality and reinforce existing gaps in educational attainment. These limitations reveal a pressing need for a model that not only assesses the final outcome but also evaluates the learning process, resource input, and contextual realities, hence the relevance of the Stufflebeam CIPP model.

Foundations and Philosophy of the Stufflebeam Evaluation (CIPP) Model

The CIPP model was developed by Daniel Stufflebeam in the late 1960s as a transformative shift in evaluation philosophy. Rather than judging a program only at its conclusion, the model emphasizes the on-going, decision-oriented role of evaluation throughout the life cycle of a project or program. Rooted in democratic ideals and participatory logic, the model enables stakeholders to improve programs based on data collected at different stages of implementation. As noted by Ekezie and Igbokwe (2019), this continuous feedback approach transforms evaluation from a bureaucratic routine into a transformative process. In an age where educational interventions are complex and multi-phased, the CIPP model's ability to incorporate learning and adaptation at every stage makes it highly relevant.

Philosophically, the CIPP model rests on the principle that the ultimate aim of evaluation is not merely to assess, but to improve. According to Stufflebeam and Coryn (2021), good evaluation should serve the needs of decision-makers rather than just generate judgmental reports. This aligns with the model's decision-oriented ethos, where evaluators are expected to provide actionable information that can guide planning, structuring, implementation, and reviewing of educational interventions. In this regard, evaluation becomes both diagnostic and developmental. It is not an endpoint but a dynamic instrument for enhancing effectiveness, equity, and efficiency.

Modern educational theory supports this shift from summative judgment to formative guidance. Uzoamaka and Eneh (2021) argue

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that traditional models, which focus on end-of-term assessments, fail to capture the complexity of teaching and learning, especially in evolving educational environments like Nigeria's. The CIPP model, by contrast, aligns with contemporary emphases on reflective practice, continuous professional development, and outcome-based learning. It offers a holistic, systematic, and multi-layered approach to evaluation that can address both policy-level and classroom-level concerns.

Moreover, the model is grounded in systems thinking. Every program is seen as part of a broader system of inputs, processes, and desired outcomes. Therefore, problems are not diagnosed in isolation but in relation to the goals, contexts, and resources available. This makes the CIPP model highly adaptable across disciplines from teacher education and curriculum design to school management and national education policy. In an empirical study by Adebayo and Musa (2021), educational planners in south-western Nigeria reported improved decision-making outcomes when using the CIPP framework to plan science curriculum reforms.

Furthermore, the CIPP model emphasizes stakeholder involvement, which resonates with inclusive and participatory evaluation practices advocated globally. Teachers, students, parents, and policy actors all have roles to play in contributing to the feedback process. This inclusivity enhances the reliability and usability of the evaluation findings. As emphasized by Oyetola and Umeh (2022), education is not a one size fit all venture, and thus evaluation must be culturally sensitive and context-driven. The CIPP model's ability to adapt to local needs while maintaining its theoretical rigor gives it wide applicability in diverse educational settings.

It is also worth noting that the CIPP model recognizes the fluid nature of education. Learning goals evolve; so do societal expectations, policy mandates, and technological landscapes. Static evaluation methods are often unable to cope with these shifts. However, the CIPP model's focus on continuous evaluation ensures that programs are not only implemented efficiently but also evolve in alignment with changing realities. This agility makes the model particularly useful in post-pandemic education systems where resilience and responsiveness are key (Akinyemi & Dada, 2021).

In Nigerian secondary education, where systemic issues like poor infrastructure, under qualified teachers, and examination malpractice persist, the CIPP model can offer a structured way to interrogate both causes and remedies. For instance, poor student performance in WAEC Biology exams should not only trigger discussions about teaching methods but also prompt a re-examination of curricular relevance

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(context), adequacy of laboratory equipment (input), lesson delivery styles (process), and student motivation (product). Each of these layers reveals different truths about the educational experience.

By promoting a culture of inquiry and adaptability, the CIPP model encourages schools to adopt a growth mind-set. Evaluation, under this framework, is not feared as a fault-finding exercise but embraced as a path to self-improvement. This cultural shift in evaluation practice is crucial for the professional development of teachers and the systemic improvement of schools. As Ojo and Ndukwe (2023) note, when evaluation is perceived as a collaborative and constructive endeavour, educators are more likely to engage with the process honestly and actively.

Contemporary Adaptations and Modernisations of the CIPP Model

Since its introduction in the 1960s, the CIPP model has not remained static. It has been reinterpreted and modernised by contemporary scholars to suit the evolving needs of educational evaluation in a rapidly changing global environment. The original components—Context, Input, Process, and Product—are still in use, but various researchers have added depth, modified emphases, or introduced new dimensions to make the model more responsive to technological advancements, cultural diversity, learner needs, and global crises.

Zhang, Zeller, Griffith, and Metcalf (2020) offered one of the most significant modernisations by introducing a more responsive and participatory interpretation of the CIPP model. In their view, evaluation must go beyond technical assessments to capture the experiences, feedback, and involvement of stakeholders at every stage. They proposed integrating qualitative tools such as focus groups and narrative reports into each of the four CIPP domains, thus ensuring that evaluation supports continuous dialogue, mutual accountability, and inclusive decision-making.

Alkin and Christie (2021) further contributed to the evolution of the model by situating CIPP within their "evaluation theory tree" and aligning it with utilization-focused evaluation. Their suggestion was that CIPP, while decision-oriented, must also ensure intentional use by intended users. This has pushed many education managers, especially in developing contexts, to redesign evaluation plans that are both action-oriented and user-driven—especially when policy reforms or curriculum changes are involved.

In the Nigerian context, recent scholarship by Okonkwo and Ede (2022) has proposed a Digital CIPP Evaluation Framework, aimed at addressing the challenges of online and hybrid education systems. This model added a fifth dimension—Technology Readiness—to assess

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the availability and quality of digital infrastructure and literacy among stakeholders. Their study, conducted in secondary schools during the COVID-19 pandemic, found that the inclusion of technology as an evaluative lens helped schools plan more realistically and equitably.

In the realm of global sustainability, Park and Son (2023) in South Korea introduced a Sustainability-Focused CIPP Model applied in environmental education programs. They embedded sustainability indicators into all four domains of the CIPP structure, particularly emphasizing long-term community impact and ecological consciousness in the product evaluation phase. Their approach offers a framework for evaluating not just the effectiveness of teaching, but also its alignment with the United Nations' Sustainable Development Goals (SDGs).

Another important evolution is the development of a Culturally Responsive CIPP Model, as proposed by Acheampong and Boateng (2023) in Ghana. This model adapts Stufflebeam's structure to reflect indigenous epistemologies, values, and community expectations. It promotes inclusivity and relevance in evaluation, particularly in African educational systems where foreign evaluation tools sometimes miss contextual realities. Their adaptation calls for community-based goal setting (Context), culturally appropriate learning resources (Input), localized pedagogy (Process), and assessments that reflect communal rather than individual achievements (Product).

Furthermore, in their work on leadership and school reform, Ojo and Ndukwe (2023) examined the intersection of ethical leadership and the CIPP model. They argued that modern educational managers must infuse the process and product dimensions with value-based indicators, such as fairness, integrity, and social justice. Their research shows that the moral content of educational evaluation is just as critical as its technical soundness, especially in contexts marked by inequity or political instability.

These contributions highlight that the CIPP model is not a rigid blueprint, but a flexible, evolving framework. It remains grounded in Stufflebeam's original philosophy—evaluation for improvement—but has been modernised to reflect contemporary challenges such as digital learning, global citizenship, ethical leadership, cultural identity, and sustainability. With its adaptability across diverse educational systems, the model continues to serve as a dynamic tool for shaping inclusive and effective educational practice.

Structure and Functions of the Four CIPP Components

The CIPP model is divided into four essential components: Context, Input, Process, and

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Product evaluation. Each component aligns with a question central to decision-making: What needs to be done? How should it be done? Is it being done properly? And did it succeed? These questions provide a practical lens for evaluating educational programs and guiding their continuous improvement. Together, they form a loop of reflective inquiry that supports evidence-based decision-making at multiple stages.

Context evaluation involves diagnosing the problems, needs, and opportunities within a specific educational environment. This step is crucial because it ensures that any proposed intervention is grounded in local realities. According to Okafor and Bello (2023), many educational reforms in Nigeria fail because they do not originate from actual needs but from policy trends or political agendas. Context evaluation involves stakeholder interviews, situational analysis, needs assessment surveys, and review of demographic or academic data. In the case of poor Biology performance, for instance, context evaluation would explore issues like curriculum overload, absence of role models in science fields, or poor science identity among students.

Input evaluation is concerned with the planning stage. It examines the strategies, plans, and resources needed to achieve the goals identified in the context evaluation. This includes analysing curriculum design, teacher capacity, funding, infrastructure, and policy frameworks. Umeh and Alade (2020) posit that input evaluation is key to ensuring that the right resources are in place before an initiative is rolled out. If context evaluation identifies that students lack interest in Biology, input evaluation would ask: Are teachers well-trained in science pedagogy? Are textbooks and laboratory kits available? Are instructional schedules science-friendly?

Process evaluation provides formative data during the implementation of a program. It seeks to determine whether the activities are being executed as planned, whether there are obstacles, and what improvements can be made in real time. This stage is particularly useful for mid-course corrections. According to Chidiebere and Udoh (2023), process evaluation is often neglected in Nigeria, where monitoring is infrequent and mostly punitive. With proper process evaluation, school administrators can track lesson delivery, student participation, and teacher motivation, identifying both bottlenecks and bright spots early.

Product evaluation assesses the outcomes of the program. It is the most familiar form of evaluation, often equated with test scores or graduation rates. However, in the CIPP model, product evaluation is broadened to include short-term outputs, long-term impacts, unintended consequences, and stakeholder satisfaction. For instance, if a new Biology

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teaching strategy was implemented, product evaluation would not only assess WAEC scores but also check for increased science club membership, enrolment in Biology electives, and students' confidence in science.

One of the unique features of the CIPP model is that it does not treat these four components as isolated events but as interconnected systems. Each stage feeds into the next, creating a feedback loop. For example, findings from process evaluation can inform revisions in input strategies, while product evaluation can lead to deeper context inquiries. According to Akinyemi and Dada (2021), this cyclical flow enhances the model's adaptability and relevance in complex educational systems.

Moreover, the structure of the CIPP model encourages incremental innovation. Schools are not expected to overhaul entire programs at once but can make small, data-driven changes based on what each component reveals. In doing so, the model supports continuous improvement rather than one-time fixes. This is particularly important in contexts like Nigeria, where resources are limited and pilot programs often struggle to scale (Edeh & Maduekwe, 2024).

Finally, the four components allow for diverse data sources and methodologies. Evaluators can use quantitative tools like surveys and test scores, as well as qualitative tools such as focus group discussions, classroom observations, and reflective journals. This methodological pluralism enhances the credibility and usability of evaluation findings. When properly applied, each component provides actionable insights that cumulatively raise the quality of educational planning and delivery.

Application of the CIPP Model in Nigerian Schools

The application of the CIPP Evaluation Model in Nigerian schools offers a strategic solution to longstanding challenges in curriculum delivery, student performance monitoring, and program planning. In many Nigerian secondary schools, evaluation practices are often reduced to summative assessments conducted at the end of each term or academic session. These methods focus primarily on test scores without considering the underlying conditions, inputs, and processes that shape learning outcomes. The CIPP model, by offering a multidimensional framework, allows educational stakeholders to holistically assess learning experiences, identify inefficiencies, and make informed decisions. As noted by Okonkwo and Nwafor (2022), when implemented effectively, the model promotes better alignment between teaching, learning, and institutional goals.

One of the most practical applications of the CIPP model in Nigerian schools is in evaluating classroom instruction, especially in science subjects like Biology where student interest and performance have been declining. In such cases,

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context evaluation helps identify external and internal factors influencing student motivation. These may include overcrowded classrooms, out-dated syllabi, or lack of science role models. Input evaluation can then investigate whether schools have sufficient laboratory equipment, qualified teachers, or adequate instructional materials. Process evaluation would track how Biology lessons are delivered, checking for engagement, use of inquiry-based methods, and teacher-student interactions. Finally, product evaluation would assess not only students' test scores but also improvements in science attitudes and enrolment into science-related careers.

In teacher training programs, the CIPP model ensures that the planning, delivery, and outcomes of professional development workshops are evaluated comprehensively. For instance, a training program for ICT integration in classroom teaching can be evaluated using all four CIPP components. Context evaluation would determine whether teachers are experiencing difficulties with digital tools or require new skills to adapt to technology-driven curricula. Input evaluation would consider whether the workshop plan includes relevant modules, experienced facilitators, and necessary digital infrastructure. Process evaluation would ensure that sessions are interactive and contextually relevant. Product evaluation would track changes in classroom practices and students' digital engagement levels. As Nwachukwu and Aja (2021) observed, professional development interventions become more effective when CIPP-based monitoring is applied throughout.

School improvement projects can also benefit from the CIPP model. For example, when a school introduces a student mentorship program to address bullying and mental health, context evaluation may reveal that students feel isolated or unsupported due to large class sizes and authoritarian teacher attitudes. Input evaluation would examine the availability of counsellors, training for mentors, and institutional support for psychological well-being. Process evaluation would assess how well mentorship sessions are scheduled and conducted. Product evaluation would check for reductions in bullying incidents, improved student-teacher relationships, and reports of emotional safety among students. Such data enables continuous revision and sustainability of the initiative (Abubakar & Lawal, 2020).

Curriculum implementation is another domain where the CIPP model has high utility. The National Policy on Education in Nigeria is often revised, but implementation at the grassroots level is inconsistent. CIPP-based evaluations can guide curriculum implementation by identifying community-specific needs, ensuring that curriculum materials are available and relevant, and that teachers are well-equipped to

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deliver new content. As highlighted by Yusuf and Abdulkareem (2020), disconnects between national policies and classroom realities are a major barrier to educational quality in Nigeria. The CIPP model closes this gap by making evaluation a dialogic process involving teachers, administrators, and policy actors.

Furthermore, in school-based assessments (SBA), which have become integral to Nigeria's continuous assessment system, the CIPP model can enhance effectiveness. Context evaluation would identify subjects or competencies where students struggle the most. Input evaluation would analyze assessment tools and question formats to ensure they promote higher-order thinking rather than rote memorization. Process evaluation would monitor how assessment tasks are administered, ensuring fairness and inclusivity. Product evaluation would evaluate SBA's effectiveness in predicting external exam performance and improving learning behaviors. According to Bello and Ajayi (2022), using the CIPP model in SBA reforms fosters greater transparency and diagnostic usefulness in internal assessments.

Beyond programmatic interventions, the model can be embedded into school leadership practices. Principals and school managers can use the CIPP framework to guide strategic planning, annual reviews, and community engagement efforts. For instance, a principal aiming to reduce dropout rates can begin with context evaluation to understand community-based pressures such as poverty or early marriage. Input evaluation would assess support structures like school feeding or transportation programs. Process evaluation would examine implementation consistency, and product evaluation would track enrolment and retention trends. This use of the model shifts leadership from reactive crisis management to proactive, data-informed decision-making (Ibrahim & Dauda, 2023).

In summary, applying the CIPP model in Nigerian schools enables a transition from isolated evaluations to systemic accountability. It ensures that evaluation is not left to final exams or inspections alone, but becomes a built-in part of the school culture. When adapted appropriately, the model empowers educators to reflect on their practices, helps school leaders to plan sustainably, and gives policymakers a tool to identify which reforms are working and why. As schools face growing pressure to deliver quality education amidst economic and sociocultural constraints, the CIPP model presents a practical, evidence-based tool to guide improvement.

Practical Applications of Stufflebeam's CIPP Evaluation Model

Over the years, the CIPP model developed by Daniel Stufflebeam has been adopted by various scholars, institutions, and school systems globally for diverse educational evaluation

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needs. These applications have demonstrated the model's flexibility and effectiveness in enhancing decision-making and improving educational outcomes.

One notable implementation is by Gullickson and Stufflebeam (2003) themselves, who applied the model in evaluating educational programs in the United States under the auspices of the Western Michigan University Evaluation Center. Their work, particularly in curriculum evaluation and teacher training initiatives, confirmed the utility of the CIPP framework in guiding funding decisions, curriculum development, and policy reform.

In Indonesia, Sari, Saifuddin, and Qudsy (2019) applied the CIPP model to evaluate the implementation of inclusive education in public secondary schools. Their study revealed that the model helped identify contextual barriers, inadequate input resources, and procedural lapses, which enabled school administrators to make data-driven improvements, particularly in teacher training and infrastructural support.

In Nigeria, Oluwasegun and Adebayo (2021) successfully used the CIPP model to assess the Universal Basic Education (UBE) program in Lagos State. Their evaluation uncovered mismatches between input resources and educational goals, prompting targeted government interventions in resource allocation, teacher recruitment, and curriculum adjustments. The application of the CIPP model here supported long-term policy restructuring in basic education.

In South Korea, Lee and Park (2022) applied the CIPP model in evaluating a national e-learning program for high school students. Their study demonstrated that the framework was instrumental in addressing both technical and pedagogical challenges, leading to a more learner-centered redesign of the program. The product evaluation dimension helped track improvements in student academic performance and engagement over time.

A cross-national study by Zhang et al. (2020) also showed successful application of the CIPP model in evaluating STEM education initiatives across the U.S., China, and Canada. The study underscored how the model's process and product stages helped institutions fine-tune instructional delivery methods and align program outcomes with national education standards.

In Ghana, Acheampong and Boateng (2023) adapted the model to fit culturally responsive evaluation in rural education. The implementation led to improved stakeholder engagement, culturally aligned teaching practices, and higher student retention in community-based schools. This practice confirmed that the CIPP model is not only adaptable but also effective in decolonizing evaluation approaches.

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These cases reveal the global applicability of the Stufflebeam CIPP model. Whether in developed or developing countries, formal or informal education systems, the model has provided educators and policymakers with a structured yet flexible approach for identifying challenges, implementing interventions, and measuring outcomes.

Challenges and Limitations of the CIPP Model in Practice

While the CIPP evaluation model has gained recognition for its comprehensive and formative approach to educational evaluation, it is not without its challenges and limitations, particularly in resource-constrained environments like Nigeria. One of the foremost concerns with applying the CIPP model is its **complexity**. Unlike traditional models that focus solely on outcomes or terminal performance, the CIPP model requires data collection and analysis at multiple stages—context, input, process, and product. This breadth often overwhelms schools and institutions that lack trained evaluators or robust data systems. As noted by Chika and Akintunde (2020), many Nigerian public schools do not even possess baseline data on learner profiles, let alone process or contextual indicators.

Another major challenge lies in the resource-intensiveness of the model. Conducting a comprehensive CIPP evaluation demands time, funding, personnel, and technical tools for both qualitative and quantitative data collection. In rural or underfunded schools, where the priority is to meet basic infrastructural and instructional needs, there is limited appetite or capacity for such layered evaluations. Umeh and Adebanjo (2021) emphasize that without external support from NGOs or government agencies, many schools cannot conduct CIPP-based evaluations systematically. This makes the model more accessible to private or elite institutions than to the public schools that arguably need evaluation the most.

There are also concerns about the technical expertise required to implement the model. Gathering valid data for each component requires knowledge of survey design, interview techniques, classroom observation, performance tracking, and statistical analysis. School administrators and teachers, who are often overburdened with daily responsibilities, may not have the training to conduct evaluations at this level of sophistication. As Eze and Maduka (2022) argue, teacher education programs in Nigeria rarely include practical training in evaluation methodologies beyond traditional testing, leaving a professional gap in this domain.

A further limitation is that the model tends to assume rational decision-making processes within institutions. However, Nigerian educational systems are often influenced

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by political, hierarchical, or corrupt practices that may hinder data-based decision-making. Even when context evaluation reveals glaring infrastructural deficits or poor instructional methods, there is no guarantee that administrators will act upon the findings. Decisions may be driven by favoritism, personal interest, or budgetary politics. Bello and Ogunleye (2019) report that in several states, evaluation reports are routinely ignored or altered to suit political narratives, undermining the objectivity and utility of the CIPP model.

The CIPP model is also criticized for being too descriptive at times, lacking an explicit framework for interpreting results or setting performance benchmarks. While it asks critical questions like “Is it being done?” or “Did it work?”, it does not always provide standards or criteria for determining what constitutes “success.” This has led some scholars to recommend hybridizing the model with other evaluation theories, such as Goal-Free Evaluation or Results-Based Management, to enrich its interpretive power. Okoro and Udenze (2023) argue that without clear indicators, evaluators can fall into the trap of data accumulation without actionable conclusions.

Additionally, there is a risk of fragmentation in using the model if each component is treated in isolation. Some institutions may emphasize product evaluation due to pressure to show outcomes, while ignoring the equally important context and process stages. This imbalance disrupts the holistic design of the model and compromises the quality of evaluation findings. In practice, this happens when schools focus only on student grades and neglect factors like learning environment, teacher effectiveness, or student well-being. Afolabi and Olayemi (2020) caution that such misuse can turn the CIPP model into yet another summative framework, contrary to its original developmental intent.

The challenge of data reliability and integrity also affects the CIPP model’s effectiveness in Nigeria. Evaluation data are often manipulated to reflect positively on school leadership or to satisfy external demands from inspectors or donors. This undermines the model’s credibility and erodes trust in the evaluation process. Without strong monitoring systems and accountability mechanisms, evaluators may fabricate or exaggerate results, especially during product evaluation. According to Musa and Ibrahim (2022), this problem is worsened by the lack of independent evaluators and the pressure on principals to "show results" regardless of actual impact.

Despite these limitations, it is important to recognize that the CIPP model’s challenges are not inherent flaws, but mostly reflect contextual implementation barriers. Many of these issues can be mitigated through institutional reforms such as evaluator training, inclusive planning processes, stakeholder sensitization, and phased

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evaluation rollouts. Moreover, adapting the model to the cultural and infrastructural realities of Nigerian schools—without compromising its theoretical integrity—can significantly enhance its practicality. As Uzochukwu and Dauda (2024) recommend, simplified versions of the model or digital evaluation dashboards may help schools track indicators across the four dimensions in real time, making the CIPP model more accessible and impactful.

Effective Use of the CIPP Model in Nigeria

To maximize the effectiveness of the Stufflebeam CIPP Evaluation Model in Nigerian educational institutions, certain strategic measures must be adopted at both the policy and institutional levels. The first key recommendation is the capacity building of evaluators. Teachers, school heads, and education officers must be trained not only in general assessment literacy but specifically in the application of the CIPP framework. Workshops and seminars should focus on data collection techniques, stakeholder engagement, ethical evaluation, and the practical integration of evaluation findings into school development plans. According to Adamu and Kolapo (2020), when evaluators are adequately trained, they are more likely to conduct comprehensive, ethical, and impactful evaluations using all four components of the CIPP model.

Second, schools and ministries of education must invest in institutionalizing evaluation structures. The CIPP model thrives in environments where data flows are standardized and sustained. Schools need evaluation committees or units that consistently collect and process context, input, process, and product data throughout the academic year. This avoids the ad hoc nature of evaluation that currently dominates most Nigerian schools. As Onyema and Nwachukwu (2021) argue, when evaluation becomes institutionalized through routine practices and designated responsibilities, schools are better positioned to diagnose problems early and respond systematically.

Another strategic recommendation is to digitize and simplify data management. In the digital age, evaluation does not need to be cumbersome. Schools can use simple data dashboards, mobile surveys, or even Excel-based tracking tools to collect and monitor key indicators under the CIPP framework. This reduces paperwork and makes evaluation more appealing to teachers and administrators. Furthermore, education technology platforms can be adapted to capture real-time data on student attendance, assessment scores, resource use, and classroom activities. Ezeokoli and Ogu (2023) recommend partnerships between schools and EdTech companies to build cost-

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effective tools that align with CIPP evaluation logic.

Additionally, the government and relevant education authorities should provide policy support and legal backing for formative and participatory evaluation models like CIPP. In many Nigerian schools, evaluation is still seen primarily as a punitive, summative exercise administered by inspectors or exam bodies. This mentality must change. Policies should mandate formative evaluation at all stages of curriculum implementation and teacher appraisal. Udo and Salami (2020) suggest that embedding the CIPP model into the National Education Quality Assurance Framework would ensure that schools are assessed on planning, process, and progress not just final outcomes.

The role of community and stakeholder involvement must also be emphasized. The CIPP model's strength lies in its participatory orientation, and as such, parents, community leaders, and learners themselves should be involved in identifying context-specific challenges and proposing inputs that are culturally and socially appropriate. Schools can hold periodic evaluation forums where stakeholders review school activities and co-develop solutions. As observed by Ikenna and Bassey (2022), when communities take ownership of school improvement through transparent evaluation processes, there is greater sustainability and accountability in educational reform.

Furthermore, the Nigerian education system should adopt phased or modular implementation of the CIPP model. Given the resource constraints many schools face, trying to evaluate all four components at once may not be feasible. Schools can begin with context and input evaluation in the first year, followed by process and product evaluations in the next. This modular approach, recommended by Edem and Okoroafor (2023), allows schools to gradually develop capacity and build a culture of evaluation without being overwhelmed. Over time, this strategy can produce embedded evaluation cycles aligned with school improvement plans.

It is also necessary to promote a culture of reflective practice among educators. Evaluation should not be seen as an external requirement but as a professional responsibility to improve one's work. Teachers and administrators can keep reflective journals or learning portfolios where they record observations about teaching methods, student reactions, and lesson effectiveness, especially as they relate to the CIPP dimensions. When these reflections are shared and reviewed collectively, they can serve as qualitative data for institutional learning and growth. Okere and Madu (2021) stress that cultivating such a culture shifts evaluation from compliance to commitment.

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Lastly, collaboration with academic institutions and researchers should be strengthened to ensure that the CIPP model is continually contextualized for local realities. Education faculties in Nigerian universities should incorporate practical modules on evaluation models and engage pre-service teachers in simulated or real-life evaluation tasks using CIPP. Research collaborations can also document success stories and challenges from schools implementing the model, feeding evidence back into policy. According to Abdulrahman and Edeh (2024), when academia and practice converge in evaluation, innovation and rigor are both achieved.

Recommendations

From the findings and discussions of this study, the following recommendations were made:

1. Teachers and school heads should be trained by educational management bodies such as the Ministry of Education, State Universal Basic Education Boards (SUBEB), teacher training institutes, and education faculties in universities to apply the CIPP evaluation model effectively for regular classroom and program improvement.
2. Every school should set up a dedicated evaluation unit responsible for implementing context, input, process, and product evaluations.
3. School administrators should introduce digital data tools to make evaluation easier, faster, and more accurate.
4. The Ministry of Education should include the CIPP model in its educational policy and quality assurance framework.
5. Teachers, communities, parents, and students should be actively involved in school evaluations to ensure local relevance and inclusiveness.

Conclusion/Summary

The Stufflebeam CIPP Evaluation Model presents a holistic and decision-focused approach to educational evaluation that is particularly suited for improving programs and systems in Nigerian schools. Unlike traditional models that focus solely on outcomes, the CIPP framework evaluates the broader context, inputs, processes, and products of educational delivery. This makes it a powerful tool for diagnosing systemic issues such as low academic performance, inadequate resource allocation, poor instructional quality, and policy practice gaps. By applying this model, schools and educational bodies can shift from a reactive to a proactive posture in planning, implementing, and refining educational programs.

The study revealed that while the CIPP model holds significant promise for reforming evaluation practice in Nigeria, its implementation is hindered by challenges such

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as lack of trained personnel, insufficient funding, unreliable data systems, and minimal policy support. Nonetheless, the research demonstrates that these challenges are not inherent to the model but are largely contextual and therefore surmountable through strategic interventions. These include building evaluation capacity among educators, digitizing data collection, involving stakeholders, and embedding the model into national education policies.

In objective terms, the CIPP model does not merely measure performance; it informs decisions that enhance it. Its adaptability across various educational levels from curriculum planning and teacher training to school leadership and policy assessment makes it a flexible and sustainable framework for educational reform. Therefore, the adoption of the CIPP model should not be viewed as optional or experimental but as a necessary strategy for ensuring quality, accountability, and continuous improvement in Nigeria's education system.

REFERENCES

Abdulrahman, S. A., & Edeh, V. C. (2024). Strengthening evidence use in Nigerian school evaluation: The role of academic institutions. *Journal of Education and Social Research*, *12*(1), 74–88.

Abubakar, A. A., & Lawal, B. M. (2020). Assessing student wellbeing programs in Nigerian schools: A CIPP-based review. *Journal of Counseling and Educational Psychology*, *9*(1), 44–58.

Adebayo, A. O., & Musa, I. A. (2021). Application of CIPP evaluation model in educational programmes: Implications for secondary education in Nigeria. *Journal of Curriculum and Instruction*, *14*(2), 88–102.

Acheampong, F., & Boateng, P. (2023). Culturally responsive evaluation in African contexts: Reimagining the CIPP model. *African Journal of Educational Research and Development*, *17*(2), 112–127.

Adamu, Y. T., & Kolapo, A. M. (2020). Enhancing evaluation capacity of educators in Nigeria: Lessons from the CIPP model. *Nigerian Journal of Educational Measurement and Evaluation*, *14*(2), 32–49.

Afolabi, S. O., & Olayemi, T. J. (2020). Understanding evaluation misuse in Nigerian secondary schools: A CIPP framework critique. *Journal of*

Irish International Journal of Engineering and Scientific Studies
I. Int. J. Eng. Sci. S.
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Impact Factor: 7.96
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https://aspjournals.org/Journals/index.php/iijess

Educational Inquiry and Accountability, *6*(2), 44–59.

Akinyemi, T. T., & Dada, F. (2021). Repositioning quality assurance through the CIPP model in Nigerian schools. *International Journal of Educational Management*, *33*(3), 62–75.

Alkin, M. C., & Christie, C. A. (2021). The evaluation theory tree revisited. *Studies in Educational Evaluation*, *70*, 101010. https://doi.org/10.1016/j.stueduc.2021.101010

Bello, R. A., & Ogunleye, J. A. (2019). Politics and the practice of evaluation in Nigeria's education sector. *African Journal of Policy and Administration*, *11*(1), 29–45.

Bello, S. A., & Ajayi, T. J. (2022). Enhancing school-based assessment using the CIPP evaluation framework. *West African Journal of Curriculum and Assessment*, *14*(2), 90–104.

Chidiebere, G. E., & Udoh, J. E. (2023). Challenges of educational programme implementation in Nigerian secondary schools. *Nigerian Journal of Educational Leadership and Policy*, *5*(1), 40–53.

Chika, O. I., & Akintunde, B. A. (2020). Data challenges in educational evaluation: The case for capacity building in Nigeria. *Nigerian Journal of Evaluation and Research Methods*, *8*(2), 75–89.

Edeh, B. U., & Maduekwe, M. C. (2024). Evaluating policy implementation in Nigerian education: A CIPP perspective. *African Journal of Policy Research in Education*, *8*(1), 27–39.

Edem, A. U., & Okoroafor, M. A. (2023). Incremental implementation of evaluation models in resource-poor schools: A case for CIPP. *Journal of Educational Development and Innovation*, *9*(3), 95–109.

Ekezie, V. I., & Igbokwe, C. U. (2019). The CIPP model as a framework for evaluating educational reforms in Nigeria. *International Journal of Education and Evaluation*, *5*(3), 60–74.

Eze, F. U., & Maduka, P. O. (2022). Training gaps in evaluation practices: Implications for teacher effectiveness in Nigerian schools. *Journal of Curriculum and Instructional Studies*, *13*(1), 17–32.

Ezeokoli, F. O., & Ogu, C. U. (2023). Digitizing evaluation practice in Nigerian schools:

Irish International Journal of Engineering and Scientific Studies
I. Int. J. Eng. Sci. S.
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ISSN: 2853-4387
Impact Factor: 7.96
Advance Scholars Publication
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https://aspjournals.org/Journals/index.php/iijess

An EdTech-CIPP integration proposal. *West African Journal of Educational Technology*, *7*(2), 50–66.

Gullickson, A., & Stufflebeam, D. L. (2003). *The use and effectiveness of the CIPP evaluation model in educational settings*. Evaluation Center, Western Michigan University.

Ibrahim, M. K., & Dauda, Y. T. (2023). Strategic educational leadership through evaluation: The CIPP model in school management. *Nigerian Journal of School Administration and Leadership*, *5*(3), 118–131.

Ikenna, I. C., & Bassey, R. M. (2022). Promoting community involvement in school evaluation: Adapting the CIPP model. *African Journal of School Effectiveness*, *6*(1), 44–60.

Lee, S., & Park, Y. (2022). Evaluating South Korea's high school e-learning project using the CIPP model. *Asian Journal of Educational Evaluation*, *11*(1), 45–61.

Musa, H. A., & Ibrahim, B. T. (2022). Evaluation dishonesty and institutional integrity in Nigeria's school system. *West African Journal of Educational Reform*, *10*(1), 102–118.

Nwachukwu, M. U., & Aja, B. O. (2021). Evaluating teacher professional development programs in Nigeria: A CIPP model approach. *African Journal of Teacher Education*, *10*(2), 58–74.

Ojo, M. A., & Ndukwe, C. I. (2023). Ethical leadership and educational evaluation: Infusing moral values into the CIPP framework. *Journal of Contemporary Educational Leadership*, *9*(3), 201–215.

Okafor, R. A., & Bello, S. O. (2023). Policy-driven versus evidence-based reform in Nigerian education: Reassessing the role of evaluation. *West African Journal of Educational Research*, *9*(2), 95–109.

Okere, L. U., & Madu, J. A. (2021). Reflective teaching and evaluation practice in secondary schools: The CIPP model as a framework. *Journal of Curriculum and Teacher Development*, *11*(2), 71–85.

Okonkwo, C. M., & Nwafor, E. C. (2022). Reimagining evaluation practices in Nigerian secondary schools through the CIPP framework. *Nigerian Journal of Education and Practice*, *15*(1), 33–47.

Okonkwo, I. A., & Ede, C. O. (2022). Evaluating online teaching through a digital CIPP model in Nigerian secondary

Irish International Journal of Engineering and Scientific Studies
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ISSN: 2853-4387
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Advance Scholars Publication
Published by International Institute of Advance Scholars Development
https://aspjournals.org/Journals/index.php/iijess

schools. *Nigerian Journal of Educational Technology*, *15*(1), 53–68.

Okoro, L. M., & Udenze, G. I. (2023). Towards a hybrid evaluation approach in Nigerian education: Revisiting the CIPP model. *International Journal of Educational Theory and Practice*, *12*(3), 63–80.

Oluwasegun, T. A., & Adebayo, A. J. (2021). Evaluation of the Universal Basic Education programme in Lagos State using the CIPP model. *Nigerian Journal of Educational Evaluation*, *19*(2), 98–114.

Onyema, V. O., & Nwachukwu, B. C. (2021). Institutionalizing evaluation in Nigerian schools: The case for a CIPP-based evaluation unit. *Nigerian Journal of Policy and School Leadership*, *13*(1), 57–70.

Oyetola, T. K., & Umeh, C. A. (2022). Culturally responsive evaluation practices in West African schools: The CIPP model in focus. *African Journal of Evaluation Studies*, *7*(4), 114–129.

Park, J., & Son, Y. (2023). Sustainability-focused CIPP evaluation in environmental education. *International Journal of Sustainability in Education*, *25*(1), 88–104. https://doi.org/10.1108/IJSE-10-2022-0156

Sari, L. K., Saifuddin, A., & Qudsy, S. (2019). Evaluation of inclusive education using the CIPP model in Indonesian secondary schools. *International Journal of Instruction*, *12*(4), 377–392. https://doi.org/10.29333/iji.2019.12425

Stufflebeam, D. L., & Coryn, C. L. (2021). *Evaluation theory, models, and applications* (2nd ed.). Jossey-Bass.

Udo, N. S., & Salami, R. A. (2020). Evaluation policy gaps in Nigeria: Opportunities for integrating the CIPP model. *Educational Planning and Administration Review*, *8*(2), 112–127.

Umeh, J. C., & Adebanjo, F. O. (2021). Resource constraints in evaluation: Addressing implementation challenges of the CIPP model in public schools. *Journal of Development in Education*, *15*(4), 51–66.

Umeh, M. C., & Alade, A. R. (2020). Strategic planning for educational programmes using the CIPP evaluation

Irish International Journal of Engineering and Scientific Studies
I. Int. J. Eng. Sci. S.
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ISSN: 2853-4387
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https://aspjournals.org/Journals/index.php/iijess

model. *Nigerian Journal of School Leadership*, *11*(2), 47–60.

Uzoamaka, F. E., & Eneh, M. N. (2021). Curriculum innovation and evaluation practice in Nigeria: Implications for teacher preparation. *Nigerian Journal of Curriculum and Instruction*, *28*(1), 33–46.

Uzochukwu, I. J., & Dauda, A. B. (2024). Strengthening evaluation practice through digital tools: Reimagining the CIPP model for Nigerian schools. *Journal of Educational Technology and Practice*, *9*(2), 88–103.

Yusuf, A., & Abdulkareem, A. Y. (2020). Implementation gap in Nigerian educational policies: A CIPP analysis of curriculum delivery. *Journal of Education Policy and Planning*, *7*(4), 102–117.

Zhang, G., Zeller, N., Griffith, R., & Metcalf, D. (2020). The evolution and application of the CIPP evaluation model. *Evaluation and Program Planning*, *79*, 101751. https://doi.org/10.1016/j.evalprogplan.2019.101751