



Perspective Article

Strengthening Outcome-Based Education: Capability Approach Perspective

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ABSTRACT

This paper explores the integration of the Capability Approach into Outcome-Based Education (OBE) to enhance the quality and inclusivity of educational practices. While OBE has gained acceptance for its structured approach, critics raise concerns about its potential limitations in fostering holistic development. The Capability Approach, rooted in the work of Amartya Sen and Martha Nussbaum, offers an alternative perspective, emphasizing human capabilities and freedoms. The paper advocates for a broader view of education, asserting that it should empower learners with skills beyond predefined outcomes. It discusses the theoretical foundations of both approaches, their key principles, and the potential synergies between them. The study employs a comprehensive qualitative methodology, analyzing various sources to enrich the understanding of the research topic. Criticisms of OBE include a perceived narrowing of the curriculum and concerns about its impact on individual capabilities. Case studies from different countries highlight challenges and varying outcomes in OBE implementation. The integration of the Capability Approach into OBE is proposed as a transformative avenue, emphasizing the cultivation of capabilities alongside traditional knowledge. Practical implications are outlined, including designing comprehensive learning outcomes, adapting curriculum and pedagogy, and employing diverse assessment methods. The integrated approach is seen as a means to empower learners for personal and societal flourishing, fostering inclusivity and equity in education. The paper concludes that this integration signifies a paradigm shift, redefining education as a transformative force for individual and societal progress.

Citation: Dano, Givheart C. (2024) "Strengthening Outcome-Based Education: Capability Approach Perspective." CMU Journal of Science. 28(1), 05

Academic Editor: Einstine M. Opiso

Received: January 23, 2024

Revised: -

Accepted: January 24, 2024

Published: July 31, 2024



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Keywords: Amartya Sen, Capability Approach, Outcome-based education, pedagogy, William Spady

INTRODUCTION

Outcome-Based Education (OBE) continues to be a prominent focus in modern educational ideologies, garnering significant attention in academic discourse (Gurukkal, 2020). OBE revolves around the foundational principle of articulating explicit and well-defined learning outcomes before designing curriculum and assessment methodologies (Spady, 1994). This approach aims to establish a clear path for educators and learners, ensuring transparent and attainable educational objectives. Recent studies have explored various aspects of Outcome-Based Education. For instance, Gurukkal (2020) discusses the effectiveness of OBE as a framework for teaching, learning, and evaluation, particularly in the context of the UGC and NAAC. The study highlights the need for universities to design their academic programs and curricula based on OBE principles. Rao (2020) provides an outline of OBE, emphasizing the shift from focusing on what students are taught to what they actually learn. The study emphasizes the importance of prioritizing the outcomes, purpose, accomplishments, and results of education. Additionally, a systematic literature review on Outcome-Based Education examines the status of OBE implementation in educational institutions (Irfan et al., 2023). This review explores how OBE focuses on measuring learning outcomes rather than just the learning process itself.

While Outcome-Based Education (OBE) has gained widespread acceptance, it has not been without its critics. These critics argue that while OBE provides a structured framework, it may fall short in nurturing the comprehensive development of learners (Gurukkal, 2020). They contend that focusing solely on predefined outcomes may inadvertently sideline other critical aspects of education, such as critical thinking, creativity, and social skills. This contention sparks a pertinent debate within the educational community, urging a reevaluation of the effectiveness of OBE in meeting the diverse needs of learners.

In response to the discourse surrounding Outcome-Based Education (OBE), the Capability Approach emerges as a distinctive philosophical framework that offers an alternative perspective. The Capability Approach, rooted in the work of philosopher Amartya Sen and further developed by Martha Nussbaum, places human capabilities and freedoms at the center of its educational philosophy (Sen, 1985). This approach argues that the ultimate goal of education should not solely focus on achieving predetermined outcomes but should instead prioritize enhancing an individual's capability to lead a flourishing and meaningful life (Rajapakse, 2016). Amartya Sen's

seminal work in the field of development economics and social justice has greatly influenced the Capability Approach. Sen (1985) argues that the evaluation of well-being and development should not be based solely on income or material possessions but should consider a person's capabilities and opportunities to function in various areas of life. Rajapakse (2016) explores the application of the Capability Approach in education and highlights its potential to address the limitations of OBE. The study emphasizes the importance of fostering capabilities such as critical thinking, creativity, empathy, and social skills, which are crucial for individuals to lead fulfilling lives and contribute to society. By adopting the Capability Approach, educators can shift their focus from a narrow emphasis on predefined outcomes to a broader perspective that values human capabilities and freedoms. This approach encourages a holistic approach to education, nurturing the development of well-rounded individuals who can actively participate in society and make meaningful contributions.

By incorporating the Capability Approach into the realm of education, this paper advocates for a broader and more encompassing perspective on human development. It proposes that education should not be confined to a checklist of predefined objectives, but should also strive to empower learners with the skills, knowledge, and capabilities to navigate an ever-evolving and complex world. In doing so, the paper endeavors to illuminate how this alternative framework can work synergistically with OBE, ultimately fostering a more enriching and inclusive educational experience for all learners.

While Outcome-Based Education (OBE) has gained widespread acceptance as a structured framework for educational design, a critical gap exists in understanding its potential limitations in fostering the holistic development of learners. The current discourse surrounding OBE acknowledges concerns raised by critics who argue that an exclusive focus on predefined outcomes may neglect essential aspects of education, such as critical thinking, creativity, and social skills. This prompts a need for comprehensive research that critically examines the perceived shortcomings of OBE in nurturing a well-rounded educational experience. The existing literature primarily highlights the structured nature of OBE but lacks in-depth exploration of its impact on broader cognitive and socio-emotional dimensions of learners' development. Addressing this research gap is imperative to provide clear insights into the effectiveness of OBE in meeting the diverse needs of learners and to inform potential modifications or

complementary approaches to enhance the educational experience. Furthermore, the introduction of the Capability Approach as an alternative philosophical framework presents an opportunity for research to assess its compatibility with OBE and its potential to address the identified gaps, thereby contributing to a more holistic understanding of educational methodologies.

The Capability Approach: Theoretical Foundations

The Capability Approach, a pivotal framework developed by Nobel laureate economist Amartya Sen and philosopher Martha Nussbaum, represents a paradigm shift in the assessment of human well-being and development. This approach advocates for an evaluation of individuals based on their capabilities rather than a narrow focus on their achieved functionings. Capabilities refer to the real opportunities and freedoms available to individuals, enabling them to lead lives they personally value and find meaningful (Sen, 1985).

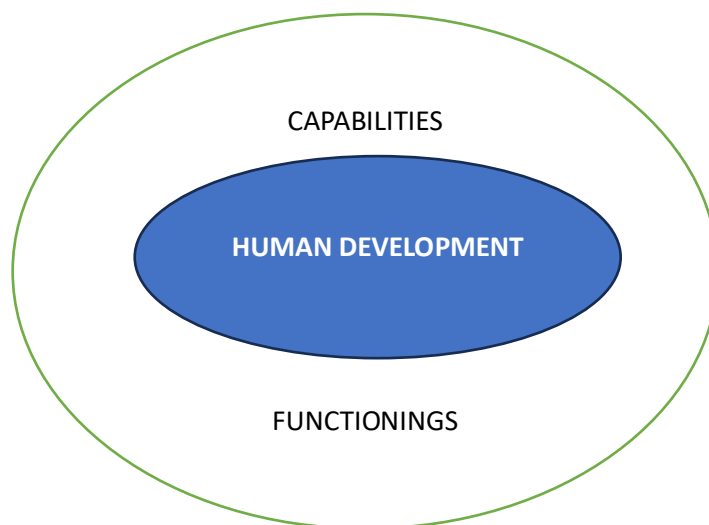
At its core, the Capability Approach challenges conventional measures of welfare, such as GDP or income levels, which fail to capture the multifaceted nature of human well-being (Stewart, 2013). Sen's critique of these conventional measures arose from his belief that they provided an incomplete picture of individuals' actual experiences and opportunities. By centering on capabilities, Sen argued for a more clear understanding of human potential and agency (Alkire, 2005).

The foundational tenet of the Capability Approach is the acknowledgment of human diversity and the distinct aspirations and values that shape individuals' perceptions of a fulfilled life. Sen emphasizes that people have different capabilities and functionings, depending on factors like health, education, political participation, and social inclusion. These capabilities serve as instrumental means to achieve valuable functionings, which encompass the concrete activities and states of being that individuals value and pursue (Sen, 1993).

Martha Nussbaum further refined and extended the Capability Approach by proposing a set of central human capabilities, known as the "capabilities list." This list outlines ten essential capabilities that she posits are crucial for human flourishing. It encompasses dimensions such as bodily health, education, political participation, emotional well-being, and the capacity to form meaningful social relationships (Nussbaum, 2000).

In practice, the Capability Approach has been employed to assess a wide range of policy areas, including poverty alleviation, education, healthcare, and social justice (Robeyns, 2005). Its application provides a more comprehensive and inclusive evaluation of policies and interventions, taking into account the diverse needs and aspirations of individuals (Dano, 2022).

Figure 1: *Capability Approach as human development framework.*



Outcome-Based Education: Theoretical Foundations

Outcome-Based Education (OBE) is an innovative educational approach that places a strong emphasis on defining specific learning outcomes for students, thus reshaping the traditional educational landscape. At the forefront of this movement is William Spady, an influential figure whose pioneering work has significantly influenced the development and implementation of OBE. This article provides an in-depth discussion of OBE as conceptualized by William Spady, highlighting its key principles and the impact it has had on modern education.

Key Principles of Outcome-Based Education

At the core of Spady's OBE is a fundamental shift from a rigid, fixed curriculum to a focus on specific learning outcomes. These outcomes are meticulously crafted, observable, and measurable, providing educators with clear targets for student achievement (Spady, 1994). OBE, according to its proponent, means shaping an institute's programs around specific outcomes all students should demonstrate upon graduation. This system emphasizes results and is widely used globally for quality assurance. It guides curriculum and instruction decisions based on the desired learning outcomes students should achieve by the end of a program or course (Spady, 1994). Learning Outcomes, also known as various terms like Intended Learning Outcomes, Instructional Objectives, and more, signify what a student should achieve after completing a program or course. OBE offers advantages like clear relevance, effective communication, transparency, accountability, autonomy, adaptability, and a cohesive approach to teaching, learning, and evaluation (Davis & Winch, 2015). It caters to diverse learning styles and fosters innovative teaching.

Defining Clear and Concrete Outcomes

Spady emphasizes the importance of articulating outcomes in precise terms. This means that educators must be able to distinctly define what students should know and be able to do. These outcomes serve as a guiding beacon for educators, aligning instruction and assessment with the desired learning objectives (Spady, 1994). In essence, this emphasis ensures that educational efforts are purposefully directed towards achieving specific and measurable outcomes, enhancing the effectiveness and relevance of the learning experience.

Assessment as a Tool for Learning

One of the hallmarks of Spady's OBE is its view of assessment as a tool for learning and improvement.

Assessments are not solely for grading; rather, they offer valuable feedback to both students and educators. They are designed to gauge whether students have attained the specified outcomes, enabling adjustments and refinements in the teaching process (Spady, 1994).

Scholars like Black and Wiliam (1998) have extensively studied the formative assessment process, emphasizing its pivotal role in enhancing learning. They argue that assessments should be viewed as opportunities for feedback and improvement, rather than mere tools for assigning grades.

Furthermore, the work of Sadler (1989) complements Spady's viewpoint. Sadler contends that assessments should primarily serve as informative tools for both students and educators. He advocates for assessments that focus on providing constructive feedback, allowing learners to understand their strengths and areas for improvement. This approach resonates with Spady's assertion that assessments in OBE are meant to facilitate learning and guide instructional adjustments.

Customized Learning for Individual Progress

Spady's OBE recognizes that each student is unique, progressing at their own pace. This student-centered approach acknowledges and accommodates diverse learning styles and abilities. It ensures that education is tailored to meet the individual needs and capacities of each learner, fostering a more inclusive and effective learning environment (Spady, 1994).

Spady's Outcome-Based Education (OBE) aligns with contemporary research in education that emphasizes the importance of personalized and student-centered learning approaches. Recent studies have highlighted the benefits of recognizing and accommodating individual differences in learning.

Research conducted by Hattie et al. (2017), emphasizes the significance of differentiation in instruction. They argue that adapting teaching methods to cater to diverse learning styles and abilities leads to increased student engagement and achievement. This resonates with Spady's assertion that OBE is designed to acknowledge and accommodate the unique learning characteristics of each student.

Furthermore, the work of Rose and Meyer (2002) on Universal Design for Learning (UDL) underscores the value of creating inclusive learning environments. They advocate for instructional practices that are flexible and can be adjusted to meet the diverse needs of all learners. This aligns with Spady's approach, which aims to tailor

education to the specific needs and capacities of individual students.

Moreover, recent studies in educational psychology, such as the research by Tomlinson and Strickland (2005), highlight the importance of providing students with opportunities for choice and autonomy in their learning. This autonomy allows learners to take ownership of their educational journey, which is a central tenet of Spady's student-centered approach in OBE.

Systemic Change and Accountability

Spady emphasizes that the successful implementation of OBE requires systemic changes within educational institutions. This encompasses aligning policies, curriculum,

and assessment practices to ensure coherence and effectiveness. Additionally, there is a strong emphasis on accountability, holding schools and educators responsible for guiding students towards the attainment of specified outcomes (Spady, 1994).

William Spady's Outcome-Based Education represents a visionary approach to education, emphasizing student learning outcomes as the linchpin of effective teaching. By emphasizing clear objectives, individualized learning, and a practical application of knowledge, Spady's OBE empowers students to become adept problem solvers and lifelong learners. It continues to influence educational practices, paving the way for a more dynamic and relevant educational experience.

Figure 2: OBE's Philosophy



MATERIALS AND METHODS

The paper at hand is a comprehensive qualitative study that places significant emphasis on conducting an extensive examination of various selected sources, including books, journals, and both electronic and hard copy materials. The research employs content analysis as a methodological approach to meticulously analyze and synthesize the arguments and insights presented by different authors. Through this rigorous analysis, the study aims to formulate well-founded conclusions based on the findings. In this study, the review of related literature primarily centers around the works of philosopher Amartya Sen on the Capability Approach and William Spady's contributions to outcomes-based education. Amartya Sen's influential work in the field of development economics and social justice provides a philosophical foundation for the Capability Approach, which emphasizes the importance of human capabilities and freedoms in education (Sen, 1985).

RESULTS AND DISCUSSION

Criticism of Outcome-based Education

Outcome-Based Education (OBE) has garnered both support and criticism since its inception. While proponents argue that it provides a more student-centered and effective approach to education, critics have raised several concerns. One of the primary criticisms of OBE is that it can lead to a narrowing of the curriculum. Critics argue that focusing solely on predetermined outcomes may result in a neglect of broader educational experiences, such as the arts, humanities, and extracurricular activities. McKernan (1993) presents a compelling argument against the concept of predetermined outcomes in education. He contends that imposing fixed, predetermined outcomes goes against the essence of what education should be. In his view, education should be characterized by exploration, unpredictability, and an intrinsic value that transcends specific goals. The criticism of "narrowing of curriculum" in the context of Outcome-Based Education (OBE) highlights a concern that the exclusive focus on predefined learning outcomes may inadvertently limit the scope of what is taught in schools.

Schlafly (1993) presents a perspective on Outcome-Based Education (OBE) that highlights its potential detrimental

effect on the potential for excellence in learners. According to Schlafly, OBE operates on the premise that every student can achieve the same level of mastery within a given lesson. However, Schlafly argues that this assumption is fundamentally flawed as it overlooks the inherent diversity in learning capacities and paces among students. Schlafly's viewpoint raises an important concern regarding the one-size-fits-all approach of OBE. The argument suggests that by focusing on predefined outcomes, OBE may neglect the individual differences and unique learning needs of students. It implies that the uniformity imposed by OBE may hinder the potential for excellence and limit the ability of students to reach their full potential (Rao, 2020). By enforcing a one-size-fits-all approach, OBE, as Schlafly contends, effectively curtails the potential for excellence in those students who could otherwise excel at a faster rate. This approach fails to acknowledge that students have distinct learning styles, aptitudes, and rates of comprehension. As a result, it imposes artificial limitations on the pace at which students can progress and achieve mastery.

The statement emphasizes the uncertainty surrounding the effectiveness of Outcome-Based Education (OBE) within the educational system. Several researchers have raised concerns about the inconclusive evidence regarding the positive impact of OBE on education. Glatthorn (1993), Nakkeeran (2018), and Thirumoorthy (2021) have all highlighted the lack of definitive research establishing the actual benefits and outcomes of OBE. Glatthorn (1993) argues that while OBE is widely adopted, there is a need for more empirical evidence to support its effectiveness. Nakkeeran (2018) discusses the challenges and limitations of implementing OBE in the Indian context, pointing out the need for further research to determine its impact on student learning outcomes. Thirumoorthy (2021) highlights the need for comprehensive studies to evaluate the effectiveness of OBE in meeting the diverse needs of learners. These researchers' perspectives indicate that while OBE is a popular approach in education, its true benefits and outcomes remain uncertain due to the lack of conclusive evidence. This suggests the importance of ongoing research and evaluation to better understand the effectiveness of OBE and its impact on student learning outcomes. Furthermore, the statement highlights the significance of acknowledging the non-observable aspects of learning and school experiences that cannot be easily quantified or objectively measured. This perspective is supported by Yu (2016), who argues that there are elements of the learning process and the overall school environment that may not be fully captured through conventional

metrics or assessments. These non-observable factors encompass various aspects, including socio-emotional development, creativity, critical thinking, and other qualitative dimensions of education. Yu (2016) emphasizes the importance of recognizing and valuing these non-observable aspects in education. The author suggests that a holistic approach to education should encompass not only the measurable outcomes but also the intangible qualities that contribute to students' overall growth and development. This includes fostering socio-emotional skills, encouraging creativity, promoting critical thinking, and nurturing other qualitative dimensions that enhance the learning experience. By considering these non-observable factors, educators can create a more comprehensive and well-rounded educational environment that addresses the diverse needs and abilities of students. It recognizes that education is not solely about achieving predefined outcomes but also about nurturing the whole person and preparing students for a complex and ever-changing world (Datnow et al., 2022).

Case Studies on the Impact of OBE

In the Western educational system, which adapted the K-12 school system, designed to accommodate the varying levels of student knowledge, introduces a unique challenge for OBE. Lawson and Williams (2007) shed light on the prevalent practice of incorporating redundancy in curriculum design to manage student variations. This approach may conflict with the principle of OBE, which aims for uniform attainment of specific outcomes. This misalignment raises questions about how teachers can effectively address the diverse learning needs of their students while still striving to achieve standardized outcomes. Educators find themselves navigating the delicate balance between accommodating individual differences and adhering to outcome-based principles.

In South Africa, the implementation of OBE faced criticism, particularly for its perceived failure in providing students with essential skills in subjects like mathematics and sciences. This criticism is supported by the work of Rice (2010), who observed and documented the challenges faced in South Africa's OBE initiative. Moreover, in Australia encountered difficulties related to assessments in their OBE implementation. It suggests that the assessment process within the OBE framework presented challenges that were noteworthy enough to generate public concern. In the United States, critics voiced concerns over OBE. According to Donnelly (2007), one significant point of contention was the perceived loss of important educational content due to an excessive focus on the educational process itself. This

suggests that the emphasis on process in OBE may have inadvertently led to a neglect of critical subject matter. Additionally, the passage notes that teachers in the USA were required to invest a substantial amount of time in assessments, indicating a potential burden on educators that was associated with OBE.

Moreover, Senior (2020), explores the effectiveness of outcomes-based education (OBE). OBE focuses on teaching and assessing based on specific outcome statements rather than a fixed syllabus. He highlights potential drawbacks, such as limiting creativity and divergent thinking in assessment. He also cites international examples of OBE's failure, including declines in educational rankings in the US and South Africa. Senior (2020) argues that OBE favors rote learning over creativity, potentially neglecting important higher-order skills. Instead, his proposed solution is to use outcomes judiciously, applying them where appropriate and avoiding a one-size-fits-all approach. He calls for a shift towards a more learner-centered, democratic approach to education. Advocating for a reevaluation of OBE's role in education and the promotion of better-suited assessment methods.

In the study conducted by (Quinto, 2020), found that teachers in the College of Allied Medicine, especially new faculty members, lack a strong grasp of instructional and curriculum planning. The study also pointed out challenges faced by teachers in implementing Outcome-Based Education (OBE), such as using various teaching methods and appropriate assessment tools like portfolio checks and reviews. The survey data showed a notable difference between the perspectives of teachers and students regarding the extent of OBE implementation. Four key factors significantly influence the status of OBE implementation in LPU schools: diverse teaching methods, use of instructional materials, portfolio assessment, and reviewing portfolios to identify students with lower performance.

Implementing Outcomes-Based Education (OBE) poses a challenge for faculty due to how students and lecturers perceive it. While OBE aims for student-centered learning, it still heavily relies on instructors for knowledge delivery (Rajaei et al, 2013). Besides traditional assessments like exams and assignments, surveys are conducted after each course. One survey evaluates the instructor's teaching, while the other assesses students' perception of their own understanding. Interestingly, there can be a gap between objective marks and students' self-assessment. The evaluation of the instructor's teaching may influence how students perceive their understanding. Cultural factors, like

humility in Asian students, may play a role. In OBE, lecturers guide rather than provide answers, requiring students to be self-reliant and resourceful, which can be challenging in practice (Rajaei et al, 2013).

OBE suggests achieving "mastery," but it's important to remember that teachers are also learners. They should serve as models of inquiry rather than positioning themselves as experts. OBE has been mainly advocated by assessment and testing experts, and it's been widely embraced by educational policymakers. Ethically, OBE starts with outcomes and then meticulously plans instruction to shape students in a desired way. This can be seen as a form of engineering rather than true education (Naskar & Karmakar, 2023). Curriculum should indeed have a goal. For instance, if a teacher aims to foster tolerance, they can outline procedures, content, classroom experiences, and evaluation methods. This rational approach turns the teacher into a researcher, studying practice and curriculum to enhance the learning environment for students and teachers alike (Naskar & Karmakar, 2023).

OBE aligns with the current emphasis on technical skills in the US and other Western nations. This approach focuses on preparing students to compete globally in the workforce, given the rapid changes in job requirements. However, it's more of an industrial model, treating students like raw materials, rather than a creative response to education (Naskar & Karmakar, 2023). This is evident in the statement from the US Department of Defence Dependents schools, emphasizing the need for job-related skills due to global economic competition (Naskar & Karmakar, 2023). Ultimately, education should aim to develop well-rounded learners who can collaborate effectively. It should also instill the value of things for their own sake, not just for the outcomes they may lead to.

Outcomes-Based Education (OBE) is a current initiative in Philippine higher education institutions and high schools, supported by government and standards bodies. However, there is a lack of direct studies comparing planned OBE curricula with their actual implementation in the classroom. In the conducted by (Alata, 2019) to evaluate the applicability of OBE in Philippine junior high schools and gather insights from teachers, who design and implement the curriculum. The study examined two exclusive junior high schools using outcomes-based English curricula. Classes from all levels were observed, and teachers provided feedback on best practices and implementation challenges. The findings indicate that preparing an OBE curriculum was demanding for teachers, given limitations in time, training, and resources. Noteworthy best practices

included teacher expertise in OBE, coordination between grade levels, clear learning standards, suitable classroom activities, and ongoing monitoring. However, there were variations in how students demonstrated intended outcomes, including knowledge, skills, values, and attitudes (Alata, 2019).

Integrating Capability Approach into Outcome-Based Education

The integration of the Capability Approach into Outcome-Based Education (OBE) represents a promising avenue for advancing the effectiveness and inclusivity of educational practices. The Capability Approach, championed by Amartya Sen and Martha Nussbaum, emphasizes the importance of evaluating individuals based on their capabilities - the genuine opportunities and freedoms they possess to lead lives they find meaningful - rather than solely on their achieved functionings (Sen, 1985). This perspective offers a more comprehensive understanding of human development and well-being, aligning closely with the overarching goals of education.

One key area of synergy lies in the development of learning outcomes. Traditional OBE focuses on predefined and specific learning objectives, often in the form of knowledge and skills acquisition (Pepito, 2019). By incorporating the Capability Approach, educators can expand this framework to encompass a broader set of capabilities that are essential for individuals to lead flourishing lives. This may include critical thinking, creativity, adaptability, empathy, and other socio-emotional and practical skills that are crucial in navigating the complexities of the modern world (Murray, 2023).

Moreover, the Capability Approach can significantly influence curriculum design within an OBE framework. It encourages educators to consider not only what students should know and be able to do, but also how education can empower them to exercise their capabilities in various contexts (Cockerill, 2014). This approach necessitates a more flexible and adaptable curriculum that allows for diverse learning experiences and opportunities for students to develop and apply their capabilities in real-world scenarios.

Assessment methods also stand to benefit from this integration. Rather than relying solely on traditional measures of academic achievement, such as standardized tests or grades, educators can incorporate assessments that gauge students' development of capabilities (Rajapakse, 2016). This may involve performance-based assessments, portfolios, reflective essays, and other forms of evaluation

that capture a more clear and holistic view of a student's progress and potential.

In practical terms, this integration can catalyze a transformative shift in the educational experience. It moves beyond a narrow focus on academic attainment and recognizes the broader dimensions of human development (Vaughan & Walker, 2012). By intertwining capabilities with specific learning objectives, educators create an environment that fosters not only intellectual growth but also the personal and social skills necessary for individuals to lead fulfilling and meaningful lives.

Practical Implications of Integrating the Capability Approach into Outcome-Based Education

The successful integration of the Capability Approach into Outcome-Based Education (OBE) requires a thoughtful implementation of practical strategies. This section outlines key steps to effectively apply this integration, ensuring a more comprehensive and empowering educational experience for learners.

Designing Comprehensive Learning Outcomes

Learning outcomes serve as the foundation of any educational program (Mahajan & Singh, 2017). To integrate the Capability Approach, outcomes should go beyond traditional knowledge and skills acquisition. They should also encompass the cultivation of key capabilities critical for holistic development. These may include skills like critical thinking, effective communication, ethical reasoning, adaptability, and socio-emotional intelligence. (Murray, 2023). By explicitly including these capabilities in learning outcomes, educators set the stage for a more encompassing and meaningful educational experience.

Adapting Curriculum and Pedagogy

Curriculum design and teaching methodologies play a pivotal role in shaping the learning experience. In an integrated framework, educators should focus on nurturing a wide array of capabilities alongside subject-specific content. This might involve the incorporation of experiential learning opportunities, interdisciplinary approaches, and real-world applications of knowledge (Rajapakse, 2016). For instance, project-based learning, simulations, and community engagement initiatives can provide students with opportunities to apply their knowledge and develop critical life skills (Hoffmann, 2006).

"Adapting Curriculum and Pedagogy" is a fundamental aspect of educational planning that has a profound impact on the learning experiences of students (Borrero & Naidoo, 2022). When adopting an integrated framework that

emphasizes the development of a broad range of capabilities alongside subject-specific content, educators must carefully consider various elements of curriculum design and teaching methodologies.

Employing Diverse Assessment Methods

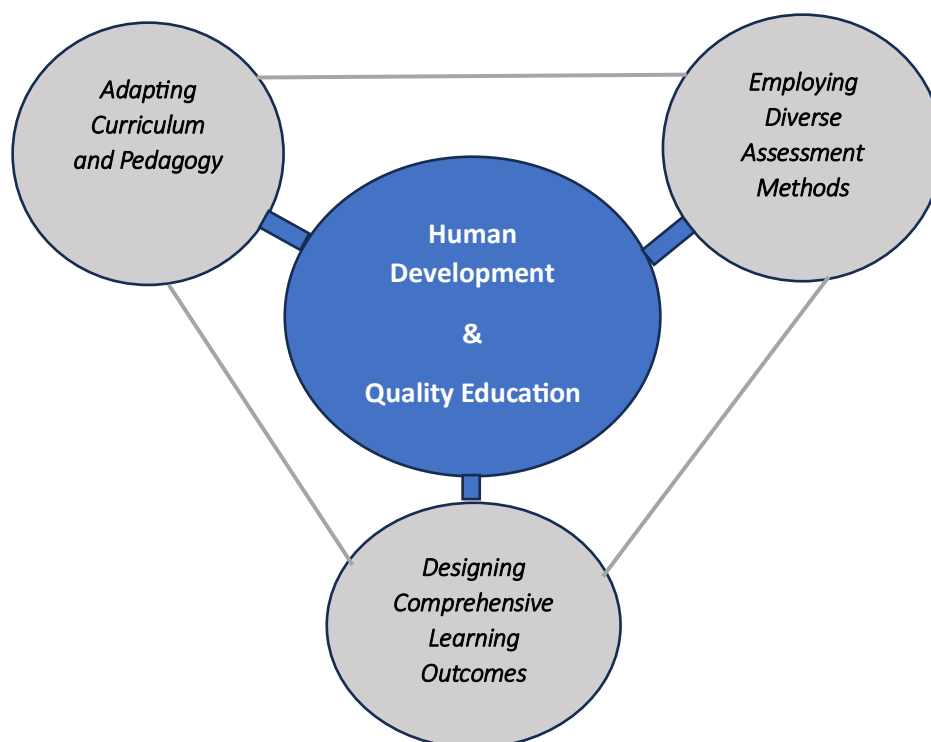
Assessment is a crucial aspect of gauging student progress and understanding (Stancescu & Draghicescu, 2017). In an integrated approach, assessment strategies should extend beyond traditional examinations and papers. They should encompass the evaluation of both functional achievements (such as content knowledge) and the development of capabilities. Performance assessments, where students demonstrate their skills and capabilities in real-world scenarios, can be particularly effective. Additionally, portfolios, reflective journals, and peer evaluations can offer

valuable insights into a student's overall growth and competencies (Nicol et al, 2019).

By implementing these practical strategies, educators can create an environment that not only supports academic achievement but also fosters the development of well-rounded individuals capable of navigating the complexities of modern life. This approach aligns with the overarching goals of education, which extend beyond mere knowledge acquisition to the cultivation of capabilities essential for personal and societal flourishing.

Ultimately, the integration of the Capability Approach into Outcome-Based Education offers a transformative vision for education, one that empowers learners to thrive in an ever-evolving global landscape

Figure 3: Integration of Capability Approach into Outcome-based Education



The integration of the Capability Approach into Outcome-Based Education signifies a transformative leap in educational theory and practice, aligning with broader societal goals of inclusivity and equity. This approach goes beyond traditional knowledge and skills, emphasizing the cultivation of capabilities to empower learners for both academic success and personal fulfillment. It recognizes that education is not just about accumulating facts but fostering critical life skills and agency, enabling students to navigate challenges confidently. This integrated framework contributes to a more inclusive and equitable educational

environment, addressing diverse needs and strengths, particularly benefiting marginalized groups. This paradigm shift redefines education's purpose, turning it into a force for personal and societal well-being. By prioritizing capabilities, educators are not only shaping informed individuals but nurturing empowered citizens capable of positive change. This integrated approach has the potential to redefine education as a transformative force, driving progress on both individual and societal levels.

This research advocates for the integration of the Capability Approach into Outcome-Based Education (OBE), presenting a transformative vision that has the potential to drive positive societal changes. By emphasizing the cultivation of capabilities alongside academic content, the research challenges traditional educational norms and promotes a paradigm shift in the purpose of education. This integrated framework prioritizes inclusivity and equity, acknowledging diverse capabilities and addressing the unique needs of each student. The proposed changes open the door for a more holistic, learner-centered approach, departing from the one-size-fits-all model. By equipping learners not only with academic tools but also with the capacity for meaningful contributions to society, the research positions education as a transformative force that extends beyond the classroom. Overall, this research provides a compelling case for redefining education to foster positive societal changes, urging educational systems to adapt and evolve in ways that better serve diverse learners and contribute to societal well-being.

Acknowledgment: I would like to express my gratitude to Tanguib City Global College, particularly the Research, Extension, and Development Office (REDO), for their invaluable support and guidance throughout the research process. Their all-out support and commitment to foster culture of research excellence has been instrumental in the successful completion of this study. Without their support, this study would not have been possible.

Conflicts of Interest: The author declared no potential conflicts of interest with respect to the research, authorship, and/or publication of this study.

REFERENCES

- Alata, E. (2019). Evaluation of outcomes-based private junior high schools English curricula. *International Journal of Curriculum and Instruction*, 11 (1), 43-64.
- Alkire, S. (2005). Why the Capability Approach? *Journal of Human Development*, 6 (1), 115-135, Doi: 10.1080/146498805200034275.
- Black, P. & William, D. (1998). Assessment and Classroom Learning. *Assessment in Education*, 5 (1), 7-74.
- Borrero, N. & Naidoo, J. (2022). Teachers living the curriculum: culturally relevant pedagogy and action research, DOI: 10.1016/b978-0-12-818630-5.03063-3.
- Cockerill, M. (2014). Beyond education for economic productivity alone: The Capabilities Approach. *International Journal of Education Research*, 66 (1), 13-21.
- Dano, G. (2022). Amartya Sen's Capability Approach in the Analysis of Pantawid Pamilyang Pilipino Program. *United International Journal for Research & Technology (UIJRT)*, 3 (10), 33-42.
- Datnow, A., Park, V., Peurach, D., Spillane, J. (2022). *Transforming education for holistic student development*. <https://www.brookings.edu/articles/transforming-education-for-holistic-student-development/>
- Davis, A. & Winch, C. (2015). *Educational Assessment on Trial*. Bloomsbury Academic.
- Donnelly, K. (2007) Australia's adoption of outcomes-based education: A critique. *Educational Research*, 17 (2), 1-21.
- Glatthorn, A. (1993). Outcome Based Education: Reform and the Curriculum Process. *Journal of Curriculum and Supervision*, (4), 354-363.
- Gurukkal, R. (2020). Outcome-Based Education: An Open Framework. *Higher Education for the Future*, 7(1), 1-4. <https://doi.org/10.1177/2347631119886402>
- Hattie et al, (2017). *Visible learning for mathematics, grades K-12: What works best to optimize student learning*. Corwin Press.
- Hoffman, D. (2009). Reflecting on social emotional learning: A critical perspective on trends in the United States. *Review of Educational Research*, 79 (2), 533-556.
- Irfan, S., Islam, S., & Sood, S. (2023). Studying the Status of Outcome Based Education in Educational Institutions: A Systematic Literature Review. Section A-Research Paper, 12 (4), 14234-14234.
- Lawson, M. & Williams, H. (2007). *Outcomes-Based Education Discussion Paper*. Association of Independent Schools of SA.
- Mahajan, M. & Singh, M. (2017). Importance and benefits of learning outcomes. *Journal of Humanities and Social Science*, 22 (3), 65-67.
- Mckernan, J. (1993). Some Limitations of Outcome-based Education. *Journal of Curriculum and Supervision*, 8 (4), 43-53.

- Murray, R. (2023). The Capability Approach, Pedagogic Rights and Course Design: Developing Autonomy and Reflection through Student-Led, Individually Created Courses. *Journal of Human Development and Capabilities*, DOI: 10.1080/19452829.2023.2261856.
- Nakkeeran, R. et al. (2018). Importance of Outcome Based Education (OBE) to Advance Educational Quality and Enhance Global Mobility. *International Journal of Pure and Applied Mathematics*, (119), 1483-1492.
- Naskar, S. & Karmakar, R. (2023). A Critical analysis of outcome-based education. *London Journal of Research in Humanities and Social Sciences*, 23 (5), 69-75.
- Nicol et al, (2019). Competence development and portfolios: Promoting reflection through peer review. *All Ireland Journal of Teaching and Learning in Higher Education*, 11 (2), 1-13.
- Nussbaum, M. (2000). *Women and Human Development: The Capabilities Approach*. Cambridge University Press.
- Pepito, T. (2019). Perspective on outcome-based education among faculty members teaching business courses at a Philippine university. *The Palawan Scientist*, (11), 49-64.
- Quinto, L. (2020). Status of the Implementation of Outcomes-based education in the allied medicine programs. *Laguna Journal of Multidisciplinary Research*, 4 (1), 1-9.
- Rajaei et al, N. (2013). Issues and challenges in implementing outcome-based education in engineering education. *International Journal for Innovation Education and Research*, 1 (4), 1-9.
- Rajapakse, N. (2016). Amartya Sen's Capability Approach and Education: Enhancing Social Justice. *Open Edition Journals*, 14 (1), 1-14.
- Rao, N. J. (2020). Outcome-based Education: An Outline. *Higher Education for the Future*, 7(1), 5-21. <https://doi.org/10.1177/2347631119886418>
- Rice, A. (2010) *Analysis: RIP outcomes-based education and don't come back*. <http://www.dailymaverick.co.za/article/2010-07-07-analysis-rip-outcomes-based-education-and-dont-come-back/#.V3GfypMrJAY>.
- Robeyns, I. (2005). The Capability Approach: A Theoretical Survey. *Journal of Human Development*, 6 (1), 93-117.
- Rose, D. & Meyer, A. (2002). *Teaching every student in the digital age: Universal Design for Learning*. Alexandria, VA: Association for Supervision and Curriculum Development.
- Sadler, R. (1989). Formative assessment and the design of instructional systems. *Instructional Science*, (18), 119-144.
- Schlafly, P. (1993). What Wrong with Outcome-Based Education? *The Phyllis Schlafly Report* (10), 1-4.
- Senior, J. (2020). *Does outcomes-based education do more harm than good?* <https://www.skylineuniversity.ac.ae/knowledge-update/from-different-corners/does-outcomes-based-education-do-more-harm-than-good>.
- Sen, A. (1985). Well-Being, Agency and Freedom: The Dewey Lectures 1984. *The Journal of Philosophy*, 82(4), 169–221. <https://doi.org/10.2307/2026184>
- Sen A. (1993). *Capability and Well-Being*. In: Nussbaum, Sen *the Quality of Life*. Oxford: Clarendon Press.
- Spady, W.D. (1994). *Outcome-Based Education: Critical Issues and Answers*. American Association of School Administrators, Arlington.
- Stancescu, I. & Draghicescu, L. (2017). The importance of assessment in the educational process-science teachers' perspective. *Social and Behavioral Sciences*, 7 (3), 763-759.
- Stewart, F. (2013). Capabilities and Human Development: Beyond the individual—the critical role of social institutions and social competencies. *United Nations Development Programme* (3), 1-19.
- Thirumoorthy, G. (2021). Outcome Based Education is Need of the Hour. *International Journal of Research – GRANTHAALAYAH*, 9 (4), 571-582
- Tomlinson, C. & Strickland, C. (2005). *Differentiation in practice: A resource guide for differentiating curriculum, grades 9-12*. Alexandria, VA: Association for Supervision and Curriculum Development.
- Vaughan, R. & Walker, M. (2012). Capabilities, values and education policy, *Journal of Human Development and Capabilities*, 13 (3), 495-512.

Yu, F. (2016). Outcomes-Based Education: A Subjectivist Critique. *International Journal of Education Reform*, 25 (3), 319-333.

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