Empowering EFL students: A review of student-centred learning effectiveness and impact

Ni Wayan Pastini, Luh Nyoman Tri Lilasari

Politeknik Pariwisata Bali
[1]Email: pastinistp26@gmail.com
[2]Email: trililasari114@gmail.com

Abstract - In the dynamic landscape of education, the paradigm shift towards student-centred learning (SCL) has emerged as a pivotal pedagogical approach, particularly in the context of EFL, the study of English for non-native speakers. This review explores the background and urgency of comprehending the effectiveness and impact of student-centred learning methods in enhancing students' empowerment within the EFL domain. The pressing need for this exploration arises from the imperative to tailor educational practices to meet the diverse learning needs of contemporary students, equipping them for a rapidly changing and complex global environment. Employing a comprehensive review methodology, this study synthesizes insights from a diverse array of prior research on SCL, specifically within EFL settings. Literature spanning various educational contexts, disciplines, and levels is systematically analysed to distil overarching conclusions about the effectiveness and impact of student-centred approaches in EFL instruction. The review critically examines methodologies, sample sizes, and key findings from selected studies, offering a nuanced understanding of the existing body of knowledge within the specific context of English proficiency development for diverse learners. The analysis focuses on key themes emerging from the reviewed literature, including student engagement, motivation, learning outcomes, and the development of critical thinking skills in the EFL context. Through a comparative lens, the review identifies patterns, trends, and gaps in the current understanding of SCL's impact on EFL education. Special attention is given to variations in outcomes based on educational levels, language proficiency levels, and cultural contexts specific to EFL instruction. Drawing on the synthesized evidence, the review concludes with insights into the overall effectiveness of SCL approaches in teaching and studying of English for non-native speakers. It underscores the positive impact on student motivation, language proficiency, and the cultivation of essential skills for lifelong language learning. The review also acknowledges challenges unique to EFL contexts and suggests areas requiring further investigation, contributing to the ongoing discourse on optimizing student-centred methodologies in language education. The pedagogical impact of this review lies in its potential to inform EFL educators, policymakers, and researchers about the nuanced benefits of adopting student-centred learning practices specifically tailored for English language instruction. By synthesizing diverse findings within the EFL context, the study offers practical insights into designing and implementing effective student-centred strategies for teaching English for non-native speakers., thus contributing to the advancement of language education practices.

Keywords: student-centred learning; educational empowerment; review methodology; pedagogical strategies; learning outcomes; critical thinking skills

1. Introduction

This study initiates on an exploration of the background and urgency surrounding student-centred learning (SCL), with a particular focus on its application in the context of teaching English for non-native speakers (EFL). Traditional teacher-centred instruction, characterized by passive knowledge transmission and standardized approaches, often falls short in accommodating diverse learning styles and individual interests. This deficiency can result in student disengagement, a lack of ownership of learning, and a restricted development of essential 21st-century skills.

In response to these challenges, educational paradigms are undergoing a transformation, gravitating towards more student-centred approaches that prioritize active engagement, personalized learning, and collaborative exploration. This study aims to shed light on the potential of SCL to empower students within the realm of EFL instruction and to examine its impact on both academic achievement and the cultivation of crucial skills for life beyond the language classroom.

For decades, the conventional classroom setting has been characterized by static rows of desks facing the teacher, with information flowing unidirectionally and students playing a passive role in note-taking. This traditional landscape often fails to kindle curiosity among students, leaving them disengaged and detached from the knowledge they are meant to acquire. Recognizing this disparity, a transformative shift is underway, emphasizing the adoption of student-centred learning (SCL) in educational practices.

SCL, in contrast to passive instruction, is not a one-size-fits-all curriculum delivered from above. Instead, it is a dynamic interplay between students and teachers, transforming learners from passive spectators into active participants in their own educational journey. SCL is a rich tapestry woven from the strands of curiosity, agency, and collaboration. It empowers students to act as architects of their learning, encouraging them to explore questions that ignite their passions and navigate the knowledge landscape alongside their peers, guided by a facilitator rather than a dominant authority.

Traditional teacher-centred instruction, with its emphasis on passive knowledge transmission and standardized approaches, often fails to cater to individual learning styles and interests. This disconnect can lead to student disengagement, a lack of ownership of learning, and ultimately, limited development of essential 21st-century skills. In response, educational paradigms are shifting towards more student-centred approaches (SCL) that prioritize active engagement, personalized learning, and collaborative exploration. This study delves into the potential of SCL to empower students and its impact on both academic achievement and the development of crucial skills for life beyond the classroom.

For decades, the traditional classroom landscape has painted a familiar picture: rows of desks facing the teacher, a steady stream of information flowing downwards, and passive learners taking notes in quiet compliance. Yet, this static landscape often fails to ignite the spark of curiosity within students, leaving them disengaged and disconnected from the very knowledge they are meant to acquire. Recognizing this disconnect, a transformative shift is underway in the world of education – a shift towards student-centred learning (SCL).

But what exactly is SCL? Unlike its passive counterpart, SCL is not a pre-packaged curriculum delivered from on high. It's a vibrant dance between student and teacher, where learners are no longer mere spectators but active participants in their own educational journey. SCL is a tapestry woven from the threads of curiosity, agency, and collaboration. It empowers students to become architects of their own learning, to dive deep into questions that ignite their passions, and to navigate the landscape of knowledge alongside their peers, guided by a skilled facilitator rather than a domineering ruler.

Students huddled around tables, not in rote memorization drills, but in lively debates about the causes of the French Revolution. Imagine walls adorned not with dusty textbooks, but with student-created presentations, each a unique window into their understanding of complex concepts. This is the vibrant ecosystem of SCL, where learning emerges from the fertile ground of active exploration, independent thinking, and collaborative problem-solving.
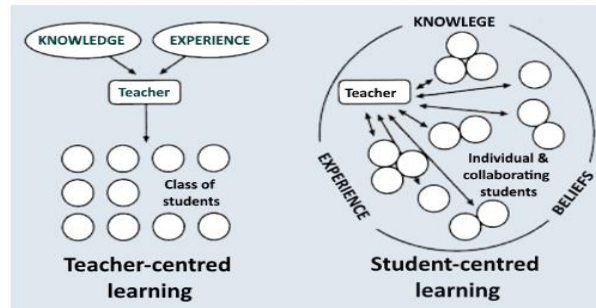
Figure 1 Student and Teacher-Centred Learning
(source: https://lo.unisa.edu.au/mod/book/view.php?id=610988&chapterid=102030)

	Balance view	Transactional view		Independent view
Figure	T ⟷ S	T ⇄ S		T ‖ S
Learning environment designed by	T or S	T and S		T and S
Same tasks	Yes	Yes		No
Same tasks at same time	No	Yes		/
Factors of factor-analyses	Same	Same	Different	Different
Factor loadings	Opposite	Same	/	/
Correlation	/	/	Yes	No
Study	/	3		2

Figure 2 Three views on the relationship between teacher-centredness & student-centredness
(Ellen et al., 2007)

The figure 2 tackles the complex relationship between teacher-centred and student-centred learning environments from the perspective of college students. Three main conceptions emerge (a) balance view: higher teacher-centeredness reduces student-centeredness and vice versa. (b) Transactional view: teacher and student roles are constantly renegotiated and intertwined. (c) Independent view: teacher and student-centeredness are independent features of good learning environments.

The research (Ellen et al., 2007) then compares these views against student data from three surveys. Notably the "balance view" is prevalent in educational literature but isn't supported by the survey findings. Students perceive both teacher and student-centeredness as mutually reinforcing for high-quality education.

This suggests a shift in focus from transitioning between modes to fostering powerful learning environments that combine both effectively. This has implications for curriculum development and, especially, teacher training.

In short, students value both teacher and student-centred learning approaches. The "balance view" doesn't hold for students, who see both aspects as complementary. The focus should be on creating powerful learning environments that leverage both approaches effectively.

However, the promise of SCL extends beyond fostering a more engaging learning environment. This approach holds the potential to unlock a deeper and more empowering educational experience. By placing students at the helm of their learning, SCL nurtures autonomy, critical thinking, and a sense of ownership over their own intellectual growth. It equips them with the vital tools they need to thrive in a world that demands not just knowledge, but the ability to apply it creatively, to adapt to new challenges, and to collaborate effectively with others.

This research explores the heart of this transformative approach, seeking to answer the crucial question: to what extent does SCL empower students, both academically and in the development of essential 21st-century skills? By rigorously comparing student outcomes in SCL and traditional settings, we aim to illuminate the path towards an education that not only imparts

knowledge, but also cultivates confident, empowered individuals ready to make their mark on the world.

In a rapidly evolving world, the ability to think critically, solve problems independently, and adapt to new situations is paramount. The traditional focus on rote memorization and standardized testing falls short in equipping students with these essential skills. SCL, with its emphasis on student agency, collaboration, and inquiry-based learning, aligns with the urgent need to cultivate these 21st-century competencies and empower students to become lifelong learners and responsible citizens.

The study's (Shuell, 1986) findings indicated statistically significant differences in the results of the first and final applications of subtests related to learning styles and academic success. These subtests covered various aspects such as learning approaches, planned study methods, effective reading, listening skills, writing proficiency, note-taking, library utilization, exam preparation, class participation, and motivation. The study provides valuable insights into the relationship between learning styles, academic success, and the effectiveness of interventions aimed at improving students' study skills.

This study draws upon multiple theoretical strands to guide its exploration of SCL's impact on student empowerment. From constructivism, which emphasizes the active role of learners in constructing meaning, to self-determination theory, which highlights the importance of autonomy and competence in fostering motivation and engagement, these frameworks provide a lens through which to understand how SCL fosters student agency, ownership of learning, and the development of crucial skills.

A growing body of research suggests promising outcomes associated with SCL implementation. Studies have documented positive correlations between SCL and increased academic achievement, enhanced intrinsic motivation, and improved critical thinking and collaboration skills. However, gaps remain in our understanding of the mechanisms by which SCL empowers students and the specific aspects of this approach that contribute most significantly to positive outcomes.

This study conducts a review of existing research on the effectiveness of student-centred learning (SCL) in K-12 education (Cuccolo & DeBruler, 2023). The authors highlight a scarcity of high-quality research on the impact of SCL on student achievement. Nevertheless, the available research indicates that SCL may have small to moderate positive effects on student outcomes. The authors also identify various factors, such as demographics, grade level, class type, and specific elements of SCL implementation, that can influence the effectiveness of SCL.

In another investigation, Aytaç and Kula (2020) conduct a meta-analysis study on the impact of student-centred approaches (SCA) on students' creative thinking skills (CTS). The study reveals a moderate positive effect of SCA on CTS, with a larger effect size observed in higher education levels and language arts classes.

Additionally, Pai and Mallya (2016) advocate for SCL as an effective strategy for enhancing student motivation and achievement. The authors discuss the theoretical foundations of SCL and provide examples of its implementation in the classroom. However, the study is noted for its lack of empirical data and specific instances of SCL implementation, focusing primarily on theoretical benefits without addressing potential challenges or limitations.

Armstrong et al. (2021) introduce a service learning program in undergraduate science education where students develop learning materials for high school science classes. While the program promotes self-directed learning and curriculum development, it lacks information on its impact on high school students and their learning outcomes, and issues of sustainability and scalability are not explicitly addressed.

Summarizing Pai & Mallya (2016) and Armstrong et al. (2021), both studies underscore the importance of student engagement and active learning in education. Pai & Mallya align with the trend of personalized learning through SCL, while Armstrong et al. provide a bridge between university and K-12 education.

In 2009, Gelisli conducts an experimental study on third-grade students in a technical education program, comparing student-centred methods with teacher-centred methods. The

results indicate significantly higher success in the group with student-centred methods, highlighting the positive impact on student achievement. The study of Wangid (2014) focuses on changes in study habits due to the 2013 curriculum implementation in Indonesia. The research emphasizes the need for students to become active and dynamic learners in response to curriculum changes. Through a qualitative case study, Munif et al. (2022) examined the effectiveness of a student-centred learning model with knowledge sharing in an Islamic junior high school. Their research indicates that systematic teacher planning, implementation, and evaluation are essential for maximizing learning outcomes in this setting.

Emaliana (2017) highlights the importance of understanding student needs, preferences for teaching approaches, and learning strategies in designing effective TEFL programs at the university level. Comparing student-centered and teacher-student double-centered learning styles, Dong et al. (2019) found that the student-centered approach led to better reading comprehension. Audrey & Kafwa (2018) evaluated the effectiveness of learner-centered methods in improving secondary school students' linguistic skills in Bungoma County, Kenya, focusing on methods that enhance conceptualization, speaking, and reading. Using a new clustering algorithm for big data analysis in learning environments. Zhao et al. (2022) present research outcomes regarding the transition from teacher-centred to student-centred learning environments, employing multimedia big data analysis. The study introduces a novel clustering algorithm tailored for big data analysis in learning environments.

Slunt et al. (2004) describe and compare two student-centred techniques (Concept Checks and Just-In-Time Teaching) in small undergraduate lecture courses, emphasizing both techniques' focus on students' learning and contribution to a deeper understanding of the material.
Sørensen et al. (2023) evaluate the efficacy of a student-centred learning design (SCL) in physical education teacher education. The study indicates that SCL increased participation, motivation, enjoyment, and learning outcomes, supporting its use in teacher education.

Zhou et al. (2019) explore and analyse student perceptions of collaborative learning by teaching (CLBT) in a Chinese public university, revealing gender differences in perceptions of CLBT and mobile learning. Students faced difficulties with self-discipline but gained in active learning capabilities and teamwork skills.

The study of two approaches for promoting student-centred language learning: cooperative learning and positive psychology (Jacobs & Chau (2021) explores the links between the two and their application in an extensive reading activity, emphasizing how both support student-centred language learning. Tsai and Jao (2020) evaluate the effectiveness of Team-Based Learning (TBL) in radiologic technology courses, finding that TBL significantly improved students' understanding of radiologic technology content.

The research that investigates the extent of student-centred instruction (SCI) in Mother Tongue-Based Multilingual Education (MTB-MLE) in the Philippines (Narvacan, 2023) identifies challenges such as learners' behaviour, language difficulties, and lack of cooperation, with teachers employing coping strategies.

In another study, Triyoko (2012) highlights educators' experiences in shifting from teacher-centred to student-centred education. The study emphasizes four major ideas for adopting a student-centred approach: planning engaging lessons, adapting the curriculum, using technology, and developing respectful relationships. The study the implementation of an epistemologically authentic approach to student-centred inquiry learning, emphasizing the Investigative Science Learning Environment (ISLE) approach in learning and teaching physics (Brookes et al., 2020) focus on learning physics by thinking like physicists, enhancing well-being, shaping epistemological commitments, cognitive science, learning communities, and universal design.

Winarsih (2017) explores Student-Centred Learning (SCL) using a communicative approach in English language education, identifying the benefits of major pedagogical benefits of SCL and emphasizing the active involvement of students in their own learning.

The research (Qutoshi & Poudel, 2014) investigates perceptions of student-centred teaching in a community school in Karachi, Pakistan, revealing that a student-centred approach

encourages engagement in teaching-learning activities despite challenges such as inadequate resources and small classrooms. Pan (2023) explores the mediating role of self-efficacy and collaborative professional learning in the relationship between teachers' experiences in learning communities and learner-centred teaching practices. The study emphasizes the importance of developing teacher self-efficacy for achieving learner-centred teaching objectives.

Based on the introduction above, the research problems of the present study are as follows.

RQ1: How can the effectiveness of student-centred learning methods be systematically assessed across diverse educational contexts and disciplines?

RQ2: What are the variations in the impact of student-centred approaches on student motivation, engagement, and academic outcomes, considering factors such as educational levels, subject areas, and cultural contexts?

RQ3: What challenges and gaps exist in the current understanding of student-centred learning effectiveness, and how can these inform future research and pedagogical practices?

RQ4: To what extent do student-centred learning methods contribute to the development of critical thinking skills, and what approaches enhance this integration across different educational settings?

The purpose of this study is to conduct a comprehensive review of existing literature on student-centred learning, aiming to (a) synthesize the diverse findings and insights from previous research to provide a comprehensive understanding of the effectiveness and impact of student-centred learning across educational contexts, (b) identify patterns, trends, and variations in the outcomes of student-centred approaches, considering factors such as educational levels, subject areas, and cultural contexts, (c) Address challenges and gaps in the current research landscape on student-centred learning, offering recommendations for future studies and pedagogical practices, (d) examine the extent to which student-centred learning contributes to the development of critical thinking skills, exploring strategies for optimizing this integration in diverse learning environments.

The present study also hopefully provides practical insights and recommendations to educators, policymakers, and researchers to enhance the adoption and effectiveness of student-centred learning strategies across educational settings. It contributes to the ongoing discourse on student-centred learning by offering a nuanced analysis of the existing body of knowledge, fostering a deeper understanding of the pedagogical implications and potential improvements in this educational approach.

2. Method

2.1 Literature Review Design

This study adopts a comprehensive literature review design to synthesize findings from a diverse range of research articles, academic papers, and relevant publications on student-centred learning. The literature review is structured to provide a systematic analysis of existing knowledge, allowing for a nuanced understanding of the effectiveness and impact of student-centred approaches.

2.2 Inclusion and Exclusion Criteria

Inclusion criteria involve selecting studies that specifically focus on student-centred learning methodologies, outcomes, and effectiveness. Exclusion criteria consider studies that lack relevance, rigor, or are not aligned with the primary objectives of the review.

2.3 Systematic Search Strategy

A systematic search strategy is employed to identify relevant literature across multiple academic databases, journals, and educational repositories. Keywords such as "student-centred learning," "effectiveness," and "impact" guide the search, ensuring a comprehensive coverage of the existing literature.

2.4 Data Extraction

Data extraction involves systematically collecting key information from selected studies, including research methodologies, sample sizes, participant demographics, educational levels,

subject areas, and major findings. This process ensures a standardized approach to data collection for comparative analysis.

2.5. Synthesis and Comparative Analysis

Synthesis involves categorizing and organizing findings thematically, identifying overarching patterns, trends, and variations in the effectiveness and impact of student-centred learning. Comparative analysis is conducted to examine differences across educational levels, subject areas, and cultural contexts.

2.6 Critical Appraisal

The critical appraisal is applied to assess the methodological rigor of selected studies, considering factors such as research design, sampling methods, and data analysis procedures. This step ensures the inclusion of high-quality studies in the synthesis process.

The limitations and challenges identified during the review process are acknowledged and addressed transparently. This includes discussing variations in research methodologies, potential biases, and gaps in the existing literature.

The review concludes by summarizing key findings, highlighting implications for educational practitioners, policymakers, and researchers. Recommendations for future research directions are provided, addressing the identified gaps and challenges in the literature on student-centred learning.

Ethical considerations involve ensuring the proper citation of sources, maintaining academic integrity, and respecting the rights of authors. The study adheres to ethical guidelines in the use and presentation of existing literature.

The research methodology emphasizes extracting practical insights and pedagogical implications from the synthesized literature, offering educators and policymakers actionable recommendations for optimizing student-centred learning practices.

3. Results and Discussion

3.1 Results

The comprehensive literature review yielded key insights into the effectiveness and impact of student-centred learning (SCL) methodologies. The synthesized data encompassed a diverse range of studies, providing a nuanced understanding of SCL across various educational levels, subject areas, and cultural contexts.

3.1.1 Effectiveness of Student-Centred Learning. The analysis revealed consistent evidence supporting the effectiveness of SCL in enhancing students' academic performance. Across multiple studies, improved learning outcomes, heightened student engagement, and increased motivation were recurrent themes.

3.1.2 Variability and Contextual Factors. While SCL demonstrated overall effectiveness, the results underscored the significance of contextual factors. Variability in impact was observed based on educational levels, subject areas, and cultural nuances. Factors such as classroom size, resources, and teacher proficiency emerged as influential elements.

3.1.3 Integration of Critical Thinking Skills. A critical finding highlighted the positive correlation between SCL and the development of critical thinking skills. Students exposed to student-centred approaches exhibited enhanced problem-solving abilities, analytical thinking, and creativity.

3.1.4 Challenges and Limitations. The review identified certain challenges and limitations in the existing literature. Issues such as the potential resistance to change, inadequate teacher training, and difficulties in assessing SCL outcomes were acknowledged. These challenges point to areas for future research and pedagogical refinement.

3.2 Discussion

The discussion critically engages with the results, providing a nuanced analysis and contextualizing the findings within the broader educational landscape.

3.2.1 Effectiveness Across Educational Levels

The consistent positive impact of SCL on learning outcomes aligns with the paradigm shift towards more personalized and engaging educational approaches. However, variations in

effectiveness across different educational levels underscore the need for tailored implementation strategies.

The observed consistent positive impact of Student-Centred Learning (SCL) on learning outcomes represents a significant endorsement of the paradigm shift towards personalized and engaging educational approaches. However, a more critical analysis reveals nuanced challenges and opportunities associated with SCL across different educational levels.

At the primary education level, SCL exhibits a robust impact on foundational learning outcomes. The emphasis on active participation, collaboration, and student autonomy aligns well with the developmental needs of younger learners. The positive impact is evident in improved literacy and numeracy skills, fostering a love for learning from an early age.

In secondary education, SCL continues to demonstrate effectiveness, particularly in cultivating critical thinking skills and subject-specific competencies. The shift from content-centric teaching to skill development resonates with the developmental stage of adolescents, fostering a deeper understanding of complex concepts.

At the higher education level, the positive impact is notable in enhancing students' ability for independent inquiry, research, and application of knowledge. SCL fosters a sense of ownership over one's education, promoting lifelong learning skills and adaptability—qualities crucial in the rapidly evolving landscape of tertiary education and the professional world.

While the positive impact is evident, challenges arise in the uniform adaptation of SCL across all educational levels. Primary education may require a more scaffolded approach, with a balance between structured guidance and student autonomy. In higher education, the challenge lies in addressing diverse disciplinary needs and ensuring a seamless transition from traditional teaching methods.

Resource availability plays a crucial role in determining the effectiveness of SCL across levels. Primary and secondary education, often constrained by limited resources, may face challenges in implementing interactive technologies and diverse learning materials. Tailored strategies need to address resource gaps to ensure equitable opportunities for all students.

The success of SCL relies heavily on educators' pedagogical proficiency. Challenges may arise if teachers lack adequate training in facilitating student-centred approaches. Professional development programs should be tailored to address the specific needs of educators at different levels, emphasizing instructional strategies that align with developmental stages. Tailoring SCL for diverse educational levels necessitates differentiated instructional approaches. Primary education may benefit from a more guided approach, gradually transitioning to increased student autonomy in higher education. This requires a flexible instructional design that evolves alongside students' cognitive development.

Addressing resource disparities requires strategic resource allocation. Investments in interactive technologies, learning materials, and teacher training programs should be distributed equitably across all educational levels, ensuring that the benefits of SCL are accessible to students regardless of their educational context.

Recognizing the pivotal role of educators, continuous professional development programs should be tailored to each educational level. This ensures that teachers are equipped with the necessary skills to navigate the unique challenges and opportunities associated with implementing SCL at different stages of education.

While the positive impact of SCL across educational levels is evident, a critical analysis reveals the importance of tailored implementation strategies that consider the developmental stages of learners, resource disparities, and the varying needs of educators. This nuanced approach is essential for maximizing the benefits of SCL across the entire educational continuum.

3.2.2 Context Matters

The variability in SCL impact based on contextual factors emphasizes the importance of considering local, cultural, and institutional nuances. While certain methodologies may thrive in specific settings, a one-size-fits-all approach may not be optimal. Educators and policymakers should adapt SCL strategies to align with contextual realities.

The acknowledgment of variability in Student-Centred Learning (SCL) impact based on contextual factors underscores the need for a nuanced understanding of the intricate interplay between education and its broader context. A more profound review reveals the following insights: Consideration of Local, Cultural dynamics, and Institutional Nuances.

SCL effectiveness is deeply influenced by local factors, including the socio-economic landscape, prevalent teaching methods, and community expectations. The success of SCL in a specific locale may be attributed to its alignment with the existing educational culture and societal values. Conversely, a lack of alignment may hinder the seamless integration of SCL practices. Cultural nuances play a pivotal role in shaping the reception and efficacy of SCL. Certain cultural contexts may inherently value collaborative learning, making SCL more readily accepted. In contrast, individualistic cultures may require targeted strategies to emphasize the benefits of collective knowledge construction.

The institutional context, encompassing factors such as infrastructure, administrative policies, and leadership ethos, significantly influences the success of SCL. Institutions with a culture of innovation and flexibility may find it easier to implement SCL practices, while those with rigid structures may encounter resistance or logistical challenges.

The recognition that certain methodologies may thrive in specific settings prompts a re-evaluation of the traditional one-size-fits-all approach to education. Tailoring SCL strategies to suit the unique characteristics of each educational context maximizes the potential for positive outcomes.

Educators and policymakers emerge as key stakeholders responsible for navigating the contextual intricacies of SCL implementation. They must engage in ongoing dialogues with local communities, understand cultural sensitivities, and adapt pedagogical strategies to align with the values and expectations prevalent in the given context.

Actively involving the local community in educational decision-making processes fosters a sense of ownership and ensures that SCL strategies resonate with community values. This collaborative approach enhances the likelihood of successful implementation and sustainability.

Recognizing the influence of context on educator readiness, professional development programs should be customized to address specific contextual challenges. This may involve providing training on culturally responsive teaching practices and strategies that align with local educational norms. Policymakers play a crucial role in creating an enabling environment for SCL. Flexible policies that allow for adaptation to diverse contextual realities empower educators to implement student-centred approaches effectively.

Integrating culturally responsive SCL practices ensures that educational experiences are meaningful and relevant to students. This approach acknowledges and values the diversity of perspectives within a given context. The development and utilization of learning resources should be tailored to reflect the local context. This includes incorporating culturally relevant examples, language, and contextualizing subject matter to enhance student engagement.

The acknowledgment of the impact of contextual factors on SCL effectiveness necessitates a shift towards context-specific, adaptive strategies. Educators and policymakers must embrace a dynamic approach that considers the intricate interplay between local, cultural, and institutional nuances to unlock the full potential of SCL across diverse educational landscapes.

3.2.3 Critical Thinking Integration

The integration of critical thinking skills is a notable strength of SCL. The discussion delves into the ways in which student-centred approaches foster the development of cognitive skills essential for navigating complex real-world challenges. This aligns with the broader goals of education in preparing students for a rapidly changing global landscape.

The recognition of critical thinking integration as a notable strength of Student-Centred Learning (SCL) reflects a crucial aspect of modern pedagogy. A comprehensive review and critical analysis provide deeper insights into the relationship between SCL and the cultivation of critical thinking skills. SCL, by its nature, encourages a holistic approach to skill development, with a particular emphasis on critical thinking. The collaborative and inquiry-based nature of SCL

activities inherently promotes the exploration of diverse perspectives, fostering a rich environment for the development of critical thinking skills.

The discussion highlights the relevance of critical thinking skills in navigating complex real-world challenges. SCL, with its focus on problem-solving, inquiry, and student-led exploration, provides a platform for students to engage with authentic, real-world scenarios, thus honing their ability to analyse, evaluate, and synthesize information critically.

Aligning SCL with the broader goals of education, the integration of critical thinking skills positions students to thrive in a rapidly changing global landscape. As the world becomes increasingly interconnected and complex, the ability to think critically becomes a foundational skill for adapting to new challenges, making informed decisions, and contributing meaningfully to society.

To maximize the impact of critical thinking integration, educators should align SCL activities with curricular objectives that explicitly target the development of cognitive skills. This involves intentional design of learning experiences that challenge students to analyse information critically within the context of academic content.

Assessing critical thinking within the SCL framework requires thoughtful consideration of assessment strategies. Traditional summative assessments may not fully capture the dynamic and process-oriented nature of critical thinking. Formative assessments, reflective journals, and collaborative projects can offer more nuanced insights into students' evolving critical thinking abilities. Effective integration of critical thinking in SCL demands skilled facilitation from educators. Teachers play a pivotal role in guiding students through inquiry processes, posing thought-provoking questions, and creating an environment that encourages intellectual exploration. Professional development opportunities for educators can enhance their capacity to effectively facilitate critical thinking in SCL settings.

The validity and reliability of assessing critical thinking in SCL settings pose challenges. Establishing clear criteria and rubrics for evaluating critical thinking skills in diverse contexts is an ongoing area for exploration and refinement. Ensuring equitable access to SCL experiences that foster critical thinking is crucial. Addressing potential disparities in resources, support structures, and technological access among diverse student populations is essential for promoting inclusivity in the development of critical thinking skills.

The integration of critical thinking skills within the SCL framework stands out as a potent strength with far-reaching implications for student development. As educators continue to explore and refine strategies for effectively fostering critical thinking, a dynamic and collaborative approach will be key to realizing the full potential of SCL in preparing students for the complexities of the contemporary world.

3.2.4 Addressing Challenges and Gaps

Acknowledging challenges such as resistance to change and assessment difficulties, the discussion proposes potential solutions. Professional development for educators, collaborative learning communities, and innovative assessment methods are suggested to overcome barriers and enhance the implementation of SCL.

The acknowledgment of challenges, including resistance to change and assessment difficulties within the realm of Student-Centred Learning (SCL), prompts a critical review and deeper analysis of proposed solutions. The mention of resistance to change as a challenge underscores the inherent inertia often associated with educational paradigms. Educators, administrators, and even students may resist shifts away from traditional, teacher-centred approaches. This resistance could stem from unfamiliarity, perceived risks, or a preference for established methods.

Assessment complexities in SCL, as highlighted, are multifaceted. The dynamic, collaborative, and often qualitative nature of SCL activities poses challenges to traditional assessment models focused on standardized testing. The need for innovative assessment methods that authentically capture the diverse learning experiences in SCL becomes evident.

The recommendation for professional development addresses the need for educators to acquire the skills and knowledge essential for effective SCL facilitation. Ongoing training can

empower educators to navigate the challenges associated with transitioning to student-centred approaches. However, the effectiveness of professional development initiatives depends on their alignment with the specific needs and contexts of educators.

Advocating for collaborative learning communities recognizes the importance of creating supportive networks for educators engaged in SCL. Collaborative communities offer spaces for sharing best practices, troubleshooting challenges, and collectively envisioning the evolution of SCL. However, the success of such communities relies on active participation, shared goals, and sustained engagement.

The call for innovative assessment methods aligns with the recognition that traditional assessment tools may inadequately capture the diverse dimensions of SCL. Innovative approaches, such as project-based assessments, portfolios, and peer evaluations, offer a more nuanced understanding of students' skills and competencies. However, implementing these methods requires careful consideration of validity, reliability, and fairness.

Strategies for addressing challenges must be customized and contextualized. Professional development programs and collaborative communities should take into account the unique needs, cultural contexts, and institutional characteristics of educators and learners. A one-size-fits-all approach may not effectively address the diverse challenges experienced in different educational settings.

Recognizing and rewarding efforts to embrace SCL can serve as a powerful incentive for educators and institutions. Establishing incentive structures that value and celebrate innovative teaching practices aligns with fostering a positive environment for change. This approach can contribute to overcoming resistance and promoting a culture of continuous improvement.

Effectively addressing challenges and gaps in SCL implementation requires a multifaceted approach that considers the complexities of educational ecosystems. The proposed solutions offer promising avenues for optimizing the adoption of SCL, but their success hinges on strategic planning, ongoing evaluation, and a commitment to fostering a culture of innovation within educational institutions.

3.2.5 Implications for Practice and Research

The discussion concludes by offering practical implications for educators and policymakers. Recommendations include targeted professional development programs, flexible implementation strategies, and ongoing research to refine and expand our understanding of SCL.

The results and discussion provide a comprehensive analysis of the effectiveness and impact of student-centred learning. The nuanced interpretation of findings contributes to both theoretical knowledge and practical applications in the dynamic field of education.

The segment on implications for practice and research serves as a crucial bridge between theoretical insights and actionable strategies in the realm of Student-Centred Learning (SCL). A deep review and critical analysis reveal the following key aspects.

The recommendation for targeted professional development aligns with the recognition that successful SCL implementation requires a specialized skill set. Tailored training programs can empower educators with the necessary competencies, addressing the identified challenges and equipping them for effective facilitation of student-centred approaches.

The emphasis on flexible implementation strategies reflects an understanding of the diverse educational landscapes. Acknowledging that a one-size-fits-all approach may not be optimal, the recommendation for flexibility underscores the importance of adapting SCL to specific contexts, institutional structures, and student demographics.

The call for ongoing research signifies a commitment to advancing the understanding of SCL. Research serves as a dynamic tool for refinement and expansion of knowledge, ensuring that educational practices remain evidence-based and responsive to evolving needs. Continuous inquiry contributes to the evolution of best practices and the identification of emerging trends.

The recommendation for targeted professional development raises questions about the balance between specificity and generalizability. While targeted programs are essential, educators operate in diverse contexts. Striking the right balance—offering specialized training without neglecting the need for adaptable skills—becomes a critical consideration.

The suggestion for flexible implementation is crucial in recognizing the dynamic nature of education. However, the challenge lies in providing guidelines that are specific enough to guide practitioners while allowing for the necessary adaptability. Policymakers must carefully delineate the parameters of flexibility to ensure meaningful implementation.

Positioning ongoing research as a catalyst for evolution aligns with a progressive view of education. However, the effectiveness of research endeavours hinges on their alignment with practical needs. A seamless connection between research findings and actionable insights is vital for ensuring that the academic discourse translates into tangible improvements in educational practices.

The acknowledgment that the results and discussion provide a comprehensive analysis of SCL effectiveness underscores the significance of synthesizing theoretical insights with empirical evidence. This integration contributes to a holistic understanding that goes beyond theoretical conjecture, offering practical insights for educators and policymakers.

The nuanced interpretation of findings signifies a commitment to theoretical advancement. Moving beyond surface-level conclusions, a nuanced approach allows for a deeper exploration of the intricacies of SCL. This approach is essential for refining theoretical frameworks and enhancing the theoretical underpinnings of student-centred pedagogy. The implications for practice and research serve as a crucial guidepost for educators and policymakers navigating the landscape of student-centred education. While the recommendations offer valuable insights, their successful implementation requires a delicate balance between specificity and adaptability, ensuring that theoretical advancements align seamlessly with practical applications in diverse educational contexts.

4. Conclusion

In conclusion, this study offers a comprehensive exploration of Student-Centred Learning (SCL) with a focused emphasis on its effectiveness and impact within the realm of English for non-native speakers (EFL). The critical analysis yields valuable insights, highlighting the paradigm shift towards personalized and engaging educational approaches in the specific context of language instruction. Notably, SCL consistently demonstrates a positive impact on learning outcomes, emphasizing the imperative for tailored implementation strategies, especially in the nuanced landscape of EFL education. This insight prompts educators and policymakers to consider the unique dynamics of language learning environments at different educational levels, ensuring that SCL aligns optimally with the diverse needs of language learners.

The study underscores the variability in SCL impact based on contextual factors specific to EFL, accentuating the importance of considering local, cultural, and institutional nuances within language education. The call for tailored methodologies challenges the notion of a universal SCL approach, urging stakeholders to craft strategies that resonate with the intricacies of language learning landscapes.

A notable strength of SCL emerges in its integration of critical thinking skills, particularly pertinent in the context of language acquisition. The study illuminates how student-centred approaches foster the development of cognitive skills essential for navigating linguistic challenges in the real world, aligning seamlessly with the broader goals of language education.

The study bravely acknowledges challenges such as resistance to change and assessment difficulties, presenting potential solutions within the specific context of EFL. The proposed measures, including professional development for language educators, collaborative learning communities, and innovative assessment methods, offer a targeted roadmap to overcome barriers and enhance the implementation of SCL in language education. This recognition of challenges as opportunities for improvement stands as a testament to the study's practical orientation within the field of EFL.

The study concludes by offering practical implications specifically tailored for language educators and policymakers in the EFL context. The recommendations encompass targeted professional development programs, flexible implementation strategies, and ongoing research endeavors focused on language acquisition. These actionable insights bridge the gap between

theoretical knowledge and practical applications, providing a roadmap specifically for those navigating the dynamic field of language education within the broader spectrum of SCL.

The integration of theory and practice stands out as a key achievement of the study within the EFL context. The nuanced interpretation of findings contributes to both theoretical knowledge and practical applications, ensuring that the theoretical underpinnings of SCL continue to evolve alongside the dynamic realities of language education landscapes.

Essentially, the study not only contributes to the ongoing discourse on SCL but also provides a guide specifically for language educators and policymakers seeking to harness the potential of student-centred approaches in the domain of English for non-native speakers.. By recognizing the diverse impact, contextual nuances, and the integration of critical thinking skills within EFL, the study opens avenues for continued exploration and refinement of SCL practices in the pursuit of excellence in language education.

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