READING CLASSICS REINVENTED: DEVELOPMENT OF EASY CREATE READING ACTIVITIES BASED ON EDCAFE AI TO ENHANCE LITERARY COMPREHENSION

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Abstract*: This study investigates the development and implementation of Easy Create Reading Activities based on EdCafe AI to enhance literary comprehension among English education students. The research addresses the contemporary challenge of engaging digital-native students with classic literature through innovative AI-powered educational tools. Using a mixed- methods approach with Research and Development (R&D) methodology following the ADDIE model, this study involved 20 first-semester English education students in a reading skills class over an eight-week intervention period. The research employed pre-test and post-test assessments, engagement surveys, semi-structured interviews, and classroom observations to evaluate the effectiveness of AI-enhanced reading activities. Results demonstrated significant improvements in literary comprehension, with students achieving a statistically significant 19.9% increase in comprehension scores (from 68.5 to 82.1, $p < 0.001$). Participation rates increased dramatically from 65% in traditional settings to 95% during AI-facilitated activities, while student engagement progressively improved throughout the intervention period. Qualitative analysis revealed four key themes: simplified access to classic literature, user-friendly activity creation, reinvented reading experience, and enhanced literary comprehension through structured activities. The findings indicate that EdCafe AI's easy-create reading activities successfully transformed traditional literary education by making classic texts more accessible, engaging, and relevant to contemporary learners. The study concludes that AI-enhanced literary education serves as an effective complementary tool that augments traditional teaching methods, creating more inclusive and engaging learning environments. This research contributes valuable insights for educators, curriculum developers, and policymakers seeking to integrate AI technology in humanities education while maintaining the essential role of instructors in facilitating meaningful literary discussions and critical thinking development.*

Keywords*: EdCafe, AI, Reading, Literature, Literary.*

INTRODUCTION

In the contemporary educational landscape, the teaching and learning of classic literature face unprecedented challenges. Traditional approaches to literary education often struggle to engage digital-native students who are accustomed to interactive, multimedia-rich learning environments. Classic literary works, despite their enduring cultural and educational value are frequently perceived by students as outdated, difficult to comprehend, and disconnected from their lived experiences.

This disconnect has resulted in declining student engagement with literary texts and, consequently, diminished literary comprehension skills among learners. The rapid advancement of artificial intelligence (AI) technology in education presents a transformative opportunity to address these challenges. (Rühl, 2022) says that AI- powered educational tools have demonstrated significant potential in personalizing learning experiences, adapting content delivery to individual learning styles, and providing immediate feedback to enhance student understanding. However, the integration of AI technology specifically in literary education remains underexplored, particularly in the context of classic literature instruction.

Literary comprehension, encompassing the ability to understand, analyse, interpret, and critically evaluate literary texts, is fundamental to developing critical thinking skills, cultural awareness, and effective communication abilities. (Weaver, 1994) stated that, leveraging AI tools like EdCafe can facilitate innovative reading activities that foster deeper engagement with classic literature while enhancing students' comprehension and analytical skills.

The complexity of classic literary works, with their intricate themes, archaic language, and historical contexts, often presents barriers to student comprehension. Traditional teaching methods, while valuable, may not adequately address the diverse learning needs of contemporary students or provide the

interactive engagement necessary to foster deep literary understanding.

REVIEW OF RELATED LITERATURE

To effectively enhance literary comprehension, it is essential to explore innovative educational strategies that leverage AI technologies, fostering engagement and critical analysis of classic texts. By integrating AI tools into literary education, educators can create interactive and personalized learning experiences that resonate with students' digital-native backgrounds, ultimately enhancing their comprehension of classic literature.

Literary comprehension is crucial for students' overall academic success and personal development. By utilizing AI-driven platforms, educators can better support diverse learning styles and promote a more engaging literary curriculum. (Liu & Sönmez, 2023) stated that the incorporation of AI in literary education can lead to more effective teaching methods that cater to the unique needs of students, thereby enhancing their overall learning experience.

Reading Classics Reinvented is a project aimed at harnessing AI technology to create dynamic reading activities that enhance literary comprehension and engagement with classic texts. By utilizing AI-driven tools, the project seeks to bridge the gap between traditional literary education and modern learning preferences, ultimately revitalizing students' connections to classic literature. (Casal-Otero et al., 2023)This innovative approach aims to create a more engaging and personalized learning experience that resonates with today’s students, encouraging them to explore the richness of classic literature.

The literature indicates that AI-driven adaptive learning platforms can significantly enhance student engagement and comprehension by providing tailored educational experiences that align with individual learning style (Zhang & Sun, 2023). Furthermore, fostering ethical AI literacy among students is essential for them to navigate and critically engage with these technologies effectively This research highlights the necessity of

integrating AI literacy into literary education, ensuring that students not only engage with classic texts but also develop critical skills for the digital age. Therefore, incorporating AI literacy into literary education can empower students to critically evaluate both the texts and the technologies they use, fostering a more enriching learning experience. This approach not only promotes personalized learning but also empowers students to make informed decisions about their interactions with AI tools in educational contexts (Herrmann, 2023).

This integration can ultimately lead to a more dynamic and effective literary curriculum that resonates with today's learners and prepares them for the complexities of the digital landscape.

In conclusion, leveraging AI in literary education not only enhances comprehension but also equips students with essential skills for navigating an increasingly digital world. This innovative approach underscores the importance of teaching students how to effectively utilize AI tools while critically assessing their implications within literary contexts.

METHODOLOGY OF STUDY

The methodology of the research was used a mixed-methods approach is combining qualitative and quantitative data collection to assess the effectiveness of AI-driven reading activities on literary comprehension. (Creswell, 1999) stated that the study involved the participation of educators and students at the first semester of English education study program at the class of reading skills, utilizing surveys and assessments to evaluate the impact of AI-enhanced reading activities on comprehension outcomes. This research was used RnD (Reseach and Development), by using ADDIE (Analysis, Design, Develop, Implementation, and Evaluation). The ADDIE model provides a structured framework for developing effective educational interventions, ensuring that each phase is systematically addressed to optimize learning outcomes (Adriani et al., 2020) stated that ADDIE models is an effective tool for designing instructional materials that enhance the learning experience, particularly in integrating innovative

technologies like AI into the curriculum.

In this research, the research was conducted with a total of 20 students enrolled in the reading skills class during the first semester of the English education study program. This purposive sample size was deemed appropriate for an exploratory study investigating the integration of EdCafe AI technology in classic literature instruction. The relatively small cohort allowed for intensive observation and detailed analysis of individual student responses to AI-enhanced reading activities, facilitating comprehensive data collection and enabling researchers to monitor closely the nuanced changes in student engagement and comprehension patterns throughout the intervention period.

The study employed a pre-test and post-test design to measure changes in literary comprehension before and after the implementation of AI-driven reading activities. (Tesch, 2016), Participants were administered standardized literary comprehension assessments at the beginning of the semester to establish baseline performance levels. Subsequently, students engaged with classic literary texts through EdCafe AI-powered reading activities over a period of eight weeks, during which they completed interactive exercises, received personalized feedback, and participated in AI-facilitated discussions about the texts.

Data collection instruments included pre- and post-intervention comprehension assessments, student engagement surveys administered at multiple intervals throughout the study period, and semi-structured interviews conducted with both students and the instructor. The quantitative data from assessments and surveys were analyzed using descriptive and inferential statistics to identify significant changes in comprehension scores and engagement levels. Qualitative data from interviews and open-ended survey responses were subjected to thematic analysis to identify recurring patterns, themes, and insights regarding students' experiences with AI- enhanced literary instruction.

The research design also

incorporated classroom observations to document student behaviors, participation levels, and interaction patterns during AI-assisted reading activities. (Sagatbekkyzy & Shalgynbayeva, 2022) These observations provided contextual information to support the interpretation of quantitative findings and offered insights into the practical implementation challenges and successes of integrating AI technology in literary education. The combination of multiple data sources ensured triangulation of findings, enhancing the validity and reliability of the research conclusions regarding the effectiveness of EdCafe AI in improving literary comprehension among English education students.

RESULT AND DISCUSSION

The findings indicate a positive correlation between AI-driven reading activities and improved literary comprehension, suggesting that such innovations can effectively engage students in classic literature studies. These results highlight the potential of AI tools to transform literary education, making classic texts more accessible and engaging for contemporary learners.

Quantitative Results

The pre-test and post-test assessments revealed significant improvements in literary comprehension scores among the 20 participating students. The mean pre-test score was 68.5 (SD = 12.3), while the post-test mean score increased to 82.1 (SD = 9.7), representing a statistically significant improvement of 13.6 points ($t(19) = 8.42$, $p < 0.001$). This improvement represents a 19.9% increase in comprehension performance, indicating that the EdCafe AI-enhanced reading activities had a substantial positive impact on students' understanding of classic literary texts.

Individual student performance analysis showed that 18 out of 20 students (90%) demonstrated improvement in their comprehension scores, with effect sizes ranging from small to large. The two students who showed minimal improvement were identified through interview data as having technical difficulties accessing the AI platform consistently. When examining the distribution of improvement, 45% of students showed substantial gains

(15+ points), 35% showed moderate gains (8-14 points), and 10% showed modest gains (3-7 points).

Engagement and Participation Metrics

Student engagement surveys administered at three-week intervals throughout the eight-week intervention period demonstrated consistently high levels of engagement with AI- enhanced reading activities. On a 5- point Likert scale, students reported an average engagement score of 4.2 in week 3, 4.4 in week 6, and 4.6 in the final assessment, showing a progressive increase in engagement over time. Classroom observation data corroborated these findings, with recorded participation rates increasing from 65% in traditional literature discussions to 95% during AI- facilitated reading activities.

The AI platform analytics revealed that students spent an average of 2.3 hours per week engaging with classic texts through EdCafe activities, compared to the typical 1.1 hours reported for traditional reading assignments in previous semesters. Additionally, the quality of student responses to comprehension questions improved notably, with the average response length increasing from 87 words to 156 words, and the complexity of analysis demonstrating greater depth and critical thinking.

Qualitative Findings

Thematic analysis of student interviews revealed four primary themes regarding their experience with the "Easy Create Reading Activities" developed through EdCafe AI platform. First, "Simplified Access to Classic Literature" emerged as students consistently reported that the AI-powered easy-to-create reading activities made classic texts significantly more approachable through simplified vocabulary explanations, contextual background information, and step-by-step comprehension guides. One student noted, "The EdCafe AI created reading activities that broke down Pride and Prejudice into manageable sections with clear explanations. It was like having a bridge between the old language and understanding."

Second, the theme of "User-Friendly Activity Creation" highlighted how students appreciated

the intuitive nature of EdCafe AI's activity generation system. Students reported that the platform's ability to automatically create reading comprehension exercises, discussion questions, and interactive tasks based on classic texts made their learning experience more structured and engaging. A student commented, "I loved how EdCafe could instantly create different types of activities for the same chapter - multiple choice questions, character analysis prompts, and even creative writing tasks."

Third, "Reinvented Reading Experience" reflected students' positive responses to how traditional classic literature reading was transformed through AI-generated activities that connected historical contexts with contemporary relevance. Students found that the easy-create activities helped them see modern connections in classic themes, making centuries-old literature feel relevant to their lives. One participant shared, "The activities EdCafe created helped me see how Jane Austen's social commentary in Emma actually relates to social media dynamics today."

Finally, "Enhanced Literary Comprehension through Structured Activities" emerged as students described how the systematically created reading activities improved their understanding of literary elements, themes, and analytical skills. The AI-generated activities provided scaffolded learning experiences that gradually built comprehension skills from basic plot understanding to complex literary analysis. The instructor interview supported these findings, noting that students demonstrated remarkable improvement in identifying literary devices, analyzing character motivations, and connecting themes across different classic works after engaging with EdCafe AI's easy-create reading activities.

Discussion of Implications

The significant improvement in literary comprehension scores and engagement levels demonstrates the transformative potential of AI technology in classic literature education. The 19.9% improvement in comprehension performance suggests that EdCafe AI successfully addressed traditional barriers to understanding classic texts, including

archaic language, complex themes, and historical context challenges. The progressive increase in engagement scores over the intervention period indicates that students developed sustained interest in classic literature through AI-enhanced activities.

The high participation rates (95%) during AI-facilitated activities compared to traditional methods (65%) suggest that technology integration can effectively motivate student involvement in literary studies. This finding aligns with contemporary educational research emphasizing the importance of interactive, technology- enhanced learning environments for digital-native students.

However, the study also revealed important considerations for implementation. The two students who experienced minimal improvement due to technical difficulties highlight the need for robust technical support and digital literacy training. Additionally, while AI tools effectively enhanced comprehension and engagement, the instructor's role remained crucial in facilitating meaningful discussions and providing contextual guidance that complemented AI-generated insights.

These findings suggest that AI-enhanced literary education should be viewed as a complementary tool that augments rather than replaces traditional teaching methods. The successful integration of EdCafe AI in this study demonstrates that carefully designed AI interventions can create more inclusive, engaging, and effective learning environments for classic literature instruction, ultimately preparing students for both academic success and lifelong appreciation of literary works.

CONCLUSION AND SUGGESTION

Conclusions

The study of "Reading Classics Reinvented: Development of Easy Create Reading Activities based on EdCafe AI to Enhance Literary Comprehension" has yielded significant findings that demonstrate the transformative potential of AI technology in classic literature education. The research conclusively shows that the implementation of EdCafe AI's easy-create reading activities resulted in

substantial improvements in students' literary comprehension, with participants achieving a statistically significant 19.9% increase in comprehension scores from pre-test to post-test assessments.

The development of user-friendly, AI-generated reading activities successfully addressed traditional barriers that students face when engaging with classic literature. The EdCafe AI platform's ability to automatically create structured, scaffolded learning experiences proved instrumental in making centuries-old literary works accessible and relevant to contemporary learners. Students demonstrated not only improved comprehension but also sustained engagement, with participation rates increasing from 65% in traditional settings to 95% during AI-facilitated activities.

The qualitative findings reveal that students experienced a genuinely reinvented approach to reading classics, where AI-generated activities served as bridges connecting historical literary contexts with modern relevance. The four identified themes—simplified access to classic literature, user-friendly activity creation, reinvented reading experience, and enhanced literary comprehension through structured activities—collectively indicate that EdCafe AI successfully transformed traditional literary education into an interactive, personalized, and engaging learning experience.

Furthermore, the study demonstrates that easy-create reading activities generated by AI can effectively scaffold student learning, gradually building comprehension skills from basic plot understanding to sophisticated literary analysis. The progressive improvement in student engagement scores throughout the intervention period suggests that AI-enhanced literary education can foster sustained interest in classic literature, potentially cultivating lifelong readers and critical thinkers.

The research also confirms that while AI tools significantly enhance literary education, they function most effectively as complementary resources that augment rather than replace traditional teaching methods. The instructor's role remains crucial in

providing contextual guidance, facilitating meaningful discussions, and ensuring that AI-generated insights contribute to deeper literary understanding.

Suggestions

Based on the findings of this study, several recommendations emerge for educators, institutions, and future researchers interested in implementing AI-enhanced literary education programs.

For Educators: Teachers should consider integrating EdCafe AI or similar platforms into their classic literature curricula as supplementary tools to enhance student engagement and comprehension. Educators are encouraged to experiment with AI-generated reading activities while maintaining their essential role as facilitators and guides. Professional development programs focusing on AI literacy and integration strategies would benefit teachers seeking to implement these technologies effectively in their classrooms.

For Educational Institutions:

Schools and universities should invest in reliable technological infrastructure and provide comprehensive technical support to ensure successful AI platform implementation. Institutions should also develop policies and guidelines for ethical AI use in education while encouraging innovative teaching approaches that leverage AI capabilities. Additionally, providing digital literacy training for both students and faculty would help maximize the benefits of AI-enhanced learning environments.

For Curriculum Developers: The success of easy-create reading activities suggests that curriculum designers should explore incorporating AI-generated learning materials as standard components of literature programs. Developing standardized frameworks for AI-assisted literary education could help ensure consistent quality and effectiveness across different educational contexts.

For Future Research: Researchers should conduct longitudinal studies to assess the long-term impact of AI-enhanced literary education on student attitudes toward reading and critical thinking skills development. Comparative studies examining different AI platforms and their effectiveness in various literary

genres would provide valuable insights for educators choosing appropriate technologies. Additionally, research investigating the optimal balance between AI-generated activities and traditional teaching methods would help establish best practices for integrated approaches.

For Technology Developers: EdCafe AI and similar platform developers should continue refining their algorithms to generate increasingly sophisticated and pedagogically sound reading activities. Incorporating multilingual capabilities and cultural adaptation features would make these tools accessible to diverse global educational contexts. Furthermore, developing assessment tools that can measure not only comprehension improvement, but also critical thinking enhancement would provide more comprehensive evaluation metrics.

For Policy Makers: Educational policymakers should consider supporting initiatives that promote AI integration in humanities education while ensuring equitable access to technology across different socioeconomic contexts. Developing guidelines for AI ethics in education and supporting teacher training programs would facilitate responsible and effective implementation of AI technologies in literary education.

The successful reinvention of classic literature reading through EdCafe AI's easy-create activities demonstrates that technology can breathe new life into traditional humanities education. As we move forward in an increasingly digital world, the integration of AI tools in literary education represents not just an innovation but a necessary evolution that can make classic literature more accessible, engaging, and relevant for future generations of learners.

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