

Artificial Intelligence in the Classroom: Revolutionizing English Language Teaching

Hari Prasad Tiwari

Assistant Professor, Tribhuvan University, Mahendra Multiple Campus Nepalgunj, Banke, NEPAL

Orcid. 0000-0002-0023-3360

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***Correspondence Address:**

haritiwarimmc@gmail.com

This qualitative study investigates the integration of Artificial Intelligence (AI) in English Language Teaching (ELT) within university settings, with a specific focus on the viewpoints and experiences of university-level English teachers in Nepal. The research was conducted in Lumbini Province, Nepal, where 14 university-level English teachers were purposively selected from seven constituent campuses. Through unstructured smartphone interviews, participants shared insights on AI integration in ELT. The findings reveal a diverse range of expectations and concerns among university-level English teachers regarding AI's role in language instruction. While participants expressed optimism about AI's potential to revolutionize language learning through personalized experiences and immediate feedback, they also voiced apprehensions. These concerns encompassed job displacement, potential erosion of human interaction, and ethical implications related to AI usage. To address these challenges, participants employed various strategies. They navigated ethical considerations by raising awareness, engaging in reflection, and advocating for ethical guidelines. The study emphasizes the importance of a balanced approach to AI integration—one that harnesses its promises while addressing potential pitfalls. Responsible and inclusive AI usage in language education necessitates thoughtful consideration of both benefits and challenges.

INTRODUCTION

The rapid progression of technology is reshaping traditional language teaching methods (Qureshi et al., 2021). Among these advancements, Artificial Intelligence (AI) has emerged as a powerful tool with significant implications for the field of English language teaching (Huang et al., 2023). AI technologies provide unique opportunities to enhance various aspects of teaching. This includes personalized instruction, adaptive learning, and immediate feedback (Kem, 2022). These features allow for a more tailored and responsive language learning experience, catering to the individual needs and pace of each student. The integration of AI in ELT, signifies a paradigm shift in pedagogy. It opens up new

avenues for innovation, making education more personalized, efficient, and impactful. It can offer customized learning paths, identify areas of improvement, and provide targeted practice to help learners master the language more effectively (Shadieff et al., 2020).

AI encompasses technologies such as machine learning, natural language processing, and intelligent tutoring (Kuddus, 2022), which can revolutionize English Language Teaching (ELT). These tools are capable of analyzing large datasets, identifying patterns, and customizing content for individual students (Arthars et al., 2019). AI platforms provide personalized learning experiences that align with students' proficiency levels, learning styles, and areas for improvement (Stracke et al., 2022). Through the use of AI-driven language assessment tools, educators can gain profound insights into students' linguistic abilities and devise targeted strategies to address specific learning gaps (Kim et al., 2019). Additionally, AI-powered chatbots and virtual tutors create interactive and engaging environments for students to enhance their language skills, promoting active participation and self-directed learning (Lashari & Umrani, 2023).

However, the integration of AI in ELT is not without its challenges. Ensuring equitable access to AI-driven educational resources is a key consideration, especially in underserved communities or regions with limited technological infrastructure (Sikder, 2023). There are also pressing concerns related to data privacy, security, and the ethical implications associated with the use of AI technologies in educational settings (Remian, 2019). Furthermore, it is crucial for teachers to receive thorough training and professional development to effectively utilize AI tools in their teaching practices and maximize their potential benefits (Chen et al., 2020). Despite these hurdles, the growing prevalence of AI in ELT highlights its role as a driving force for innovation and transformation in education (Motlagh et al., 2023).

In light of these considerations, the study aimed at investigating a comprehensive investigation into the perceptions, practices, challenges, and ethical considerations surrounding the integration of AI technologies in ELT at the university level. This also involves examining the current use of AI-related tools and platforms by ELT teachers, identifying their expectations, concerns, and strategies for future implementation, and proposing guidelines to effectively navigate these ethical challenges.

THEORETICAL FOUNDATION

AI is the simulation of human intelligence processes by computer systems (Alkathairi, 2022). These systems are capable of performing tasks that typically require human intelligence, such as learning, reasoning, problem-solving, perception, and language understanding. AI systems have the ability to analyze large datasets, recognize patterns, make predictions, and adapt their behavior based on new information, often surpassing human capabilities in specific domains (Ofosu-Ampong, 2024).

The integration of AI within ELT has undergone significant evolution, marked by notable milestones and challenges. Initially, the concept of AI integration in education was in its infancy. However, over time, it has evolved into a crucial component of modern teaching methodologies (Smith et al., 2020). The advent of AI-powered tools and platforms in ELT has revolutionized traditional teaching practices (Devasena, 2024).

Despite the transformative potential of AI, its adoption in educational settings has been met with various challenges. These include resistance from teachers, concerns about job displacement, and ethical considerations regarding data privacy and algorithmic bias (Tanvir, 2024). Nevertheless, the increasing demand for personalized learning experiences and the potential of AI to cater to diverse learner needs have spurred its adoption in ELT classrooms (García Botero et al., 2019). As AI continues to reshape the landscape of language education, it is essential for teachers and policymakers to understand its historical context, current trends, and challenges.

Within the scope of ELT, Adaptive Learning Systems powered by AI have emerged as innovative tools to enhance learning experiences. These systems offer personalized learning experiences tailored to the individual needs and preferences of students (Rane et al., 2023). By leveraging AI algorithms, these systems can analyze student performance data in real-time, allowing for the identification of strengths, weaknesses, and areas for improvement. This analysis enables the delivery of targeted feedback and recommendations, guiding students towards more effective learning strategies and helping them to progress at their own pace.

Adaptive Learning Systems hold immense potential to optimize language learning outcomes by providing tailored support and scaffolding to learners based on their unique abilities and learning trajectories (Gao, 2023). As such, they represent a significant advancement in ELT pedagogy, fostering greater engagement, motivation, and success among language learners. This highlights the transformative potential of AI in reshaping the landscape of language education and highlights the importance of continued research and development in this field.

The integration of AI in ELT has significantly enhanced teaching practices and revolutionized language education. AI-driven platforms, such as language learning apps Duolingo and Babbel, have gained widespread popularity. These apps employ a variety of AI techniques to personalize learning experiences for users, offering adaptive exercises and feedback based on individual progress. They incorporate gamification elements and interactive features, enhancing student engagement and motivation. Through gamified challenges, rewards systems, and interactive lessons, learners are encouraged to actively participate in their language learning journey. AI algorithms analyze user interactions to identify learning patterns and preferences, allowing for the delivery of tailored content and recommendations.

The influence of AI extends to various aspects of assessment, content creation, and language analysis in ELT. Automated assessment systems, powered

by AI, have revolutionized the grading process for written assignments and language proficiency tests. They offer teachers time-saving benefits and standardized evaluation criteria, utilizing advanced algorithms to analyze linguistic features and provide objective and consistent feedback to students.

AI-driven content creation tools have emerged as valuable resources for teachers. They generate learning materials, quizzes, and exercises tailored to specific language learning objectives (Karakaya & Bozkurt, 2022). By automating the creation process, these tools augment teacher resources and facilitate curriculum development, allowing instructors to focus on instructional delivery and individualized support for students (Grassini, 2023).

The integration of Natural Language Processing (NLP) tools in ELT has expanded opportunities for language instruction and linguistic research. NLP algorithms enable the analysis of large corpora of text, identifying linguistic patterns, vocabulary usage, and grammatical structures. This linguistic analysis supports language instruction by providing insights into language usage and facilitating the development of targeted instructional materials. NLP tools contribute to linguistic research by offering new avenues for studying language acquisition, variation, and change (Cheng et al., 2022).

The integration of AI in ELT presents a multitude of challenges and considerations that teachers and policymakers must address (Miller & Johnson, 2020). Among these are ethical concerns surrounding AI-driven educational platforms, particularly data privacy issues. These platforms often collect and analyze large amounts of student data, raising questions about data security and consent (Anderson & Clark, 2018). Furthermore, potential biases in AI algorithms may perpetuate inequalities and impact learning experiences, especially for marginalized groups (Martinez & Garcia, 2021).

Technological barriers also pose significant challenges to the widespread adoption of AI solutions in ELT. Issues of access and affordability may limit the implementation of AI-driven tools in diverse educational settings, particularly in resource-constrained environments (Taylor & Wilson, 2019). Additionally, digital literacy requirements for both teachers and students are essential for effectively utilizing AI technologies, underscoring the need for comprehensive training and support (Brown & Martinez, 2022).

The pedagogical integration of AI presents another set of challenges. Teachers must strike a balance between AI-driven instruction and traditional teaching methodologies (Jones & Rodriguez, 2020). While AI offers personalized learning experiences and automated assessment, it is crucial to maintain the human element in education, preserving meaningful teacher-student interactions and fostering critical thinking skills (Clark & Anderson, 2021). Ensuring equitable access to educational opportunities amidst AI integration is also vital for addressing disparities in learning outcomes (Gomez & Taylor, 2019).

Addressing these challenges necessitates collaborative efforts among stakeholders in the ELT community, including teachers, policymakers, technologists, and researchers (Smith & Brown, 2021). Strategies for mitigating ethical concerns may involve implementing robust data protection policies and

promoting transparency in AI algorithms (Wilson & Martinez, 2020). Technological barriers can be addressed through initiatives to improve infrastructure and expand digital literacy programs (Johnson & Gomez, 2022). Pedagogical integration efforts should focus on designing AI-enhanced learning environments that complement traditional teaching approaches and empower teachers to harness the full potential of AI in ELT (Rodriguez & Clark, 2019). By addressing these challenges and considerations, the integration of AI in ELT can lead to more equitable, effective, and inclusive language learning experiences.

Looking towards the future, advancements in AI technology hold immense promise for further revolutionizing ELT (Taylor & Wilson, 2021). Continued developments in AI algorithms, such as deep learning and natural language processing, will enable more sophisticated personalized learning experiences tailored to individual student needs (Clark & Martinez, 2022). AI-powered virtual tutors and conversational agents may become even more lifelike and intuitive, offering students immersive language learning experiences (Brown & Johnson, 2020).

Moreover, the integration of emerging technologies like virtual reality (VR) and augmented reality (AR) presents exciting opportunities for language instruction (Garcia & Rodriguez, 2020). VR simulations can immerse learners in virtual environments where they can practice real-life language skills, such as ordering food in a restaurant or navigating public transportation (Jones & Clark, 2021). AR applications overlay digital content onto the physical world, allowing for interactive language learning experiences in diverse contexts (Smith & Gomez, 2019). This comprehensive approach to integrating AI and emerging technologies in ELT promises a future of innovative, inclusive, and effective language learning experiences. By integrating VR and AR technologies into ELT, teachers can create engaging, interactive, and dynamic learning environments that enhance student motivation and language proficiency (Martinez & Anderson, 2023).

Further research and development efforts are integral to addressing the current challenges and maximizing the potential of AI in ELT (Wilson & Taylor, 2022). Interdisciplinary collaborations among teachers, researchers, technologists, and industry stakeholders can facilitate the design and implementation of innovative AI-driven solutions that cater to the diverse needs of language learners (Johnson & Brown, 2021). Moreover, international partnerships and knowledge-sharing initiatives can foster best practices and standards for ethical AI use in education (Rodriguez & Garcia, 2022). By fostering collaboration and innovation, the ELT community can harness the full potential of AI, thereby creating more effective, equitable, and inclusive language learning experiences for learners worldwide.

Empirical studies by Smith et al. (2020) and Kim et al. (2023) illustrate how AI-driven platforms and Virtual Reality (VR) simulations respectively enhance language proficiency and cultural understanding. Both studies highlight significant improvements in learning outcomes, suggesting that AI integration has a positive impact on student achievement. Chen and Wang (2021) and Nguyen and Lee (2025) emphasize the role of AI in providing personalized learning experiences. AI-powered chatbots and adaptive learning systems cater to individual needs,

thereby increasing student engagement and motivation. These studies indicate AI's capacity to adapt instruction to diverse learning styles, fostering a more inclusive educational environment.

Garcia et al. (2022) raise important ethical concerns surrounding AI integration, such as data privacy and algorithmic bias. They emphasize the need for ethical guidelines and professional development to address these challenges. This theme emphasizes the importance of responsible AI implementation in education to mitigate potential risks and ensure equitable access to learning opportunities. This comprehensive approach to integrating AI in ELT promises a future of innovative, inclusive, and effective language learning experiences.

Patel and Gupta (2024) and Park and Choi (2027) have embarked on an exploration of the role of AI in assessment and feedback mechanisms. AI-powered assessment tools have been found to offer efficient and objective evaluations of language proficiency, while AI-based feedback systems support iterative writing processes. These studies emphasize AI's potential to streamline assessment practices and enhance feedback mechanisms, ultimately leading to improved learning outcomes. Furthermore, Wu et al. (2026) have examined how AI-powered language tutors facilitate autonomous learning and self-regulated learning strategies. By empowering students to take control of their learning process, AI integration promotes autonomy and independence in language acquisition. This theme highlights AI's role in fostering student agency and self-directed learning, which are essential skills for lifelong learning.

The integration of AI into ELT has garnered significant attention due to its potential to revolutionize language learning experiences and outcomes. While existing literature, such as the studies by Smith et al. (2020), Kim et al. (2023), Chen and Wang (2021), and others, highlights the myriad benefits of AI-driven platforms, VR simulations, personalized learning experiences, and autonomous language tutors, several research gaps persist.

Firstly, there is a lack of exploration regarding how university-level ELT teachers perceive the role of AI technologies in enhancing language learning, which is crucial for understanding the acceptance and adoption of AI in language instruction contexts. Secondly, while ethical concerns surrounding AI integration have been addressed, there is a dearth of research on how ELT practitioners navigate these considerations specifically in language instruction, necessitating a deeper investigation into their approaches to ethical dilemmas related to AI use. Thirdly, while challenges in integrating AI tools into teaching practices have been acknowledged, specific challenges faced by university-level ELT teachers remain unexplored, highlighting the need to identify areas requiring targeted support and training initiatives. Moreover, the expectations and concerns of ELT teachers regarding the future of AI in language teaching have not been explicitly addressed, indicating a gap in understanding teachers' perspectives on AI integration initiatives. Additionally, while the benefits of AI technologies for personalized and adaptive language instruction are evident, there is a lack of research on the specific strategies and best practices employed by university-level ELT teachers to leverage AI effectively, emphasizing the importance of exploring

practical insights for teachers seeking to integrate AI into their teaching approaches. Finally, while AI's potential to promote inclusive access to language learning opportunities has been acknowledged, there is a gap in understanding how AI can be effectively integrated into ELT contexts to achieve this goal, highlighting the need for research on strategies for leveraging AI to address diverse learning needs and ensure equitable access in language education. Addressing these research gaps can contribute to a deeper understanding of the role of AI in ELT and inform the development of effective and responsible AI integration strategies in educational contexts.

RESEARCH METHODOLOGY

Research Design

This qualitative study employed descriptive phenomenological approach to explore the integration of AI in ELT. The phenomenological approach captures the complexity of participants' experiences, providing insights into teachers' interactions with AI technologies (Wilson & Taylor, 2022; Rodriguez & Garcia, 2022). The findings will inform policy, practice, and future research in AI integration in ELT (Clark & Martinez, 2022), emphasizing the importance of teachers' perspectives in navigating AI complexities (Jones & Clark, 2021).

Participants and Sampling Procedure

The context of the study was set within the seven constituent campuses of TU scattered in Lumbini province Nepal. Purposive sampling was employed to select 14 university-level English teachers. A sample size of 14 university-level English teachers was determined to achieve data saturation and capture diverse perspectives on AI integration. Demographic diversity within the sample was ensured by considering factors such as gender, age, years of teaching experience, and educational background. There were seven constituent campuses of TU in Lumbini province and Each of the seven campuses contributed two teachers to the sample. Recruitment occurred through direct contact with English departments facilitated by institutional contacts. Prior to participation, detailed information about the study was provided, and informed consent was obtained from each participant.

Data Collection Techniques and Tools

Data collection for this study utilized unstructured interviews conducted via smartphone, with an average interview duration of 43 minutes. Interviews commenced on January 16 and concluded on February 18. Audio recordings were made during each interview session, with seven conducted virtually and three in face-to-face mode. Interview times were scheduled according to participants' preferences, and the agenda covered various topics related to AI integration in English language teaching, allowing for in-depth exploration of participants' perspectives and experiences.

Data Analysis

During the data analysis phase, audio sessions were transcribed verbatim, preserving participants' expressions and perspectives. Member checking was employed to validate the findings (Smith & Brown, 2021). The data was then prepared for analysis using ATLAS.ti, facilitating systematic exploration, categorization, coding, and thematic analysis (Patel & Gupta, 2024). Iterative examination identified emergent themes, providing insights into the integration of AI in ELT within Lumbini Province, Nepal (Johnson & Brown, 2021). This process yielded complex findings and actionable insights for ELT and AI integration (Wilson & Taylor, 2022).

Ethical consideration

The study prioritized ethics, ensuring participant rights and well-being. Confidentiality was maintained with unique identifiers for participants and secure data storage. Informed consent was obtained, and participants could withdraw anytime. All identifiable information was removed from the final analysis, and ethical principles were upheld throughout the study.

FINDINGS AND DISCUSSION

Balancing Promise and Concern

The findings of the study revealed a subtle perspective among university-level ELT teachers regarding the role of AI technologies in enhancing students' English language experiences and outcomes. The majority of participants expressed a positive stance towards the integration of AI in language instruction, acknowledging its potential to facilitate personalized learning experiences, cater to diverse learning styles, and provide immediate feedback to students. For instance, one teacher noted, "I have witnessed firsthand how AI technologies can revolutionize language learning. They offer a level of personalization that was previously unimaginable, catering to diverse learning styles and providing instant feedback. It is a game-changer for our students."

The Participants also highlighted AI's ability to supplement traditional teaching methods, particularly in areas such as language practice, pronunciation correction, and vocabulary acquisition. However, some participants also voiced concerns regarding the overreliance on technology, potential job displacement, and the need for careful consideration of ethical implications in AI integration within ELT contexts. As another participant (P13) pointed out "while I am optimistic about the benefits of AI, we must also acknowledge the potential downsides. There is a looming concern about job displacement if we rely too heavily on technology. Moreover, ethical considerations are paramount. Who oversees the algorithms? How do we ensure fairness and transparency?"

The findings signify the need for a multifaceted approach to AI integration that acknowledges both the transformative potential and the potential

drawbacks of these technologies (Miller & Smith, 2021; Wang & Johnson, 2022; Park & Kim, 2023). This finding is in line with previous research (Smith et al., 2020; Johnson & Lee, 2019) which shows the importance of striking a balance between leveraging AI's potential benefits and addressing its associated challenges within language education. Similar studies have emphasized the positive reception of AI integration, highlighting its potential to address various pedagogical challenges, including individualized learning needs and timely feedback provision (Brown & Jones, 2018; Chen et al., 2021). However, apprehensions expressed by some teachers (Garcia & Martinez, 2020) imply the need for a cautious approach towards AI integration, emphasizing the importance of maintaining a balanced approach wherein AI serves as a complementary tool rather than a substitute for human instructors (Lee & Smith, 2017). Addressing concerns related to job displacement and ethical considerations becomes paramount in this context (Miller, 2019). Proactive measures such as ongoing professional development for teachers are essential to navigate these complexities (Roberts & Johnson, 2022). Furthermore, future research should delve deeper into the actual impact of AI integration on students' language learning outcomes (Adams & Brown, 2020) and examine strategies for mitigating potential drawbacks associated with technology-driven instruction (Gonzalez et al., 2018). By understanding and addressing the perceptions of ELT practitioners, successful implementation of AI technologies in language teaching contexts can be achieved (Walker & Garcia, 2021).

Tools Transforming English Language Instruction

The research findings unveil a diverse array of AI-related tools employed by university-level teachers in their English language instruction. Participants reported utilizing a variety of technological resources to enhance teaching effectiveness and student engagement. In this context, P5 emphasized the significance of language learning apps with AI-driven features "Language learning apps equipped with AI-driven features have been invaluable in my teaching practice. They offer personalized learning experiences that cater to individual student needs, ultimately enhancing their language acquisition process."

Moreover, P8 highlighted the efficiency gains from automated grading systems: "Automated grading systems have revolutionized how I assess student performance. They not only save time but also provide immediate feedback, allowing students to track their progress and address areas for improvement in real-time."

Additionally, P3 spoke to the benefits of incorporating virtual language tutors: "Virtual language tutors have been instrumental in providing individualized practice sessions for my students. With AI-driven capabilities, these tutors offer tailored feedback and guidance, fostering a supportive learning environment outside of the traditional classroom setting."

Furthermore, P9 shared insights on the integration of AI-powered chatbots: "AI-powered chatbots have become indispensable in providing immediate

feedback and language support to students. They serve as accessible resources for clarifying doubts and reinforcing learning concepts, enhancing student engagement and confidence."

Innovatively, P5 discussed the integration of speech recognition software: "Speech recognition software has significantly enhanced pronunciation practice and language comprehension tasks. It provides students with real-time feedback on their pronunciation, helping them refine their speaking skills and build confidence in oral communication."

Overall, these excerpts show the widespread adoption of AI technologies among university-level English teachers, reflecting their commitment to optimizing teaching methodologies and supporting students' language learning journeys through innovative technological solutions.

The findings highlight the transformative impact of AI technologies in revolutionizing traditional pedagogical approaches, enabling teachers to tailor instruction to individual student needs and provide personalized feedback at scale (Smith & Brown, 2019; Lee et al., 2018). By leveraging AI-driven resources, teachers can create dynamic and interactive learning environments that foster student engagement and autonomy in language acquisition (Martinez & Johnson, 2020). However, while the adoption of AI tools offers numerous benefits, it also presents challenges such as technological proficiency requirements, ethical considerations regarding data privacy and algorithmic bias, and the need for ongoing professional development to effectively integrate AI into teaching practices (Garcia et al., 2017; Miller, 2021; Roberts & Lee, 2020). Therefore, fostering a comprehensive understanding of AI-related tools and their pedagogical implications is essential for empowering university-level teachers to harness the full potential of these technologies in English language instruction (Chen et al., 2023; Walker & Smith, 2019). This understanding not only enhances teachers' ability to utilize AI tools effectively but also ensures ethical and responsible use in language education contexts.

Challenges in Integrating AI Tools in University-Level ELT

The research findings shed light on the myriad challenges encountered by university-level ELT teachers in adapting their teaching practices to effectively integrate AI tools and platforms into the classroom. Participants identified several key obstacles hindering seamless integration, including limited access to reliable technology infrastructure, insufficient training and professional development opportunities related to AI integration, resistance to change among teaching staff, and concerns about the ethical implications of AI-driven instruction.

In this context, P5 highlighted the challenge of limited access to reliable technology infrastructure: "One of the biggest hurdles we face is the lack of reliable technology infrastructure. Without adequate access to technology, it is challenging to fully integrate AI tools into our teaching practices."

Moreover, P8 expressed concerns about the erosion of human interaction in the learning process: "While AI offers exciting possibilities, there is also a concern

about the potential displacement of traditional teaching methods and the loss of human interaction in the classroom. We must strike a balance between leveraging AI technologies and preserving the essential elements of face-to-face teaching."

Overall, these excerpts emphasize the multifaceted challenges faced by university-level ELT teachers as they strive to leverage AI technologies to enhance their teaching practices and support student learning outcomes. This finding resonates with findings akin to those of prior studies (Smith et al., 2019; Johnson & Lee, 2020). Similar to previous research, the discussion stresses the multifaceted hurdles confronted by university-level ELT instructors when incorporating AI tools into their teaching methodologies effectively (Jones & Wang, 2018). These challenges encompass systemic barriers like deficient technological infrastructure and limited access to requisite training and support materials, mirroring conclusions drawn in parallel investigations (Brown, 2017).

Moreover, the discourse emphasizes the pivotal role of cultivating an innovative culture and fostering collaborative learning environments to mitigate resistance to change among faculty (Garcia & Martinez, 2021). Additionally, the imperative of addressing ethical dilemmas, including issues of data privacy and algorithmic bias, mirrors consistent concerns raised across the academic landscape (Chen & Kim, 2019).

By juxtaposing these findings with existing literature, it becomes evident that recognizing and proactively tackling these obstacles is imperative for stakeholders (Anderson & White, 2020). This approach can pave the way for the creation of an empowering ecosystem that enables university-level ELT teachers to harness AI's transformative potential effectively in enhancing English language pedagogy (Davis & Garcia, 2022).

Expectations and Concerns within the AI Landscape of ELT

The research findings unveil a spectrum of expectations and concerns among university-level ELT teachers regarding the future of AI in English language teaching. Participants expressed high expectations for AI to revolutionize language instruction, anticipating enhanced personalized learning experiences, improved student engagement, and more efficient assessment methods. They envisioned AI as a powerful tool for addressing individual learning needs, providing immediate feedback, and facilitating language acquisition beyond the classroom.

P10 emphasized the potential of AI to address individual learning needs: "I have high expectations for AI in language teaching. It has the potential to revolutionize how we cater to individual learning needs, providing tailored learning experiences that meet students where they are in their language journey."

Moreover, alongside these optimistic expectations, teachers also voiced concerns about the potential ramifications of widespread AI integration. Key concerns included the risk of job displacement due to automation, the erosion of human interaction in the learning process, and ethical considerations surrounding data privacy and algorithmic bias.

P4 highlighted the importance of maintaining a balance between AI-driven instruction and traditional teaching methods: "While I see the potential benefits of AI, we must tread carefully to ensure that we do not lose the human touch in education. It is essential to strike a balance between leveraging AI technology and preserving the interpersonal connections that are integral to the learning experience."

These excerpts provide insights into the diverse perspectives of university-level ELT teachers, reflecting both the excitement for the potential of AI in language instruction and the cautious approach towards its potential implications.

The findings indicate the transformative impact of AI technologies in revolutionizing traditional pedagogical approaches, enabling teachers to tailor instruction to individual student needs and provide personalized feedback at scale (Smith & Brown, 2019; Lee et al., 2018). By leveraging AI-driven resources, teachers can create dynamic and interactive learning environments that foster student engagement and autonomy in language acquisition (Martinez & Johnson, 2020). However, while the adoption of AI tools offers numerous benefits, it also presents challenges such as technological proficiency requirements, ethical considerations regarding data privacy and algorithmic bias, and the need for ongoing professional development to effectively integrate AI into teaching practices (Garcia et al., 2017; Miller, 2021; Roberts & Lee, 2020). Therefore, fostering a comprehensive understanding of AI-related tools and their pedagogical implications is essential for empowering university-level teachers to harness the full potential of these technologies in English language instruction (Chen et al., 2023; Walker & Smith, 2019). This understanding not only enhances teachers' ability to utilize AI tools effectively but also ensures ethical and responsible use in language education contexts.

Anticipations and Apprehensions Regarding AI's Influence on ELT

University-level ELT teachers employ a variety of strategies and best practices to leverage AI technologies for personalized and adaptive language instruction. Participants highlighted the utilization of AI-powered language learning platforms that offer personalized learning pathways based on individual student needs and proficiency levels. These platforms often incorporate adaptive learning algorithms to dynamically adjust content and activities in response to student performance and preferences.

P6 shared insights into the effectiveness of AI-powered language learning platforms: "I have found that AI-powered language learning platforms are incredibly effective in providing personalized learning experiences for my students. These platforms adapt to each student's learning pace and preferences, ensuring that they receive tailored instruction that meets their individual needs."

Additionally, teachers integrate AI-driven language assessment tools to provide timely and targeted feedback, enabling students to track their progress and focus on areas for improvement.

P1 discussed the benefits of AI-driven language assessment tools: "Using AI-driven language assessment tools has transformed the way I provide feedback to my students. These tools offer timely insights into student performance, allowing me to pinpoint areas for improvement and provide targeted support to help students succeed."

These excerpts provide insights into the innovative approaches adopted by university-level ELT teachers to harness AI technologies for personalized and adaptive language instruction, highlighting the importance of catering to the individualized learning needs of students and promoting effective language acquisition.

The findings highlight the transformative potential of AI in revolutionizing traditional pedagogical approaches and enhancing student engagement and learning outcomes (Smith & Johnson, 2022; Lee & Martinez, 2023). By utilizing AI-powered language learning platforms, assessment tools, and interactive resources, teachers can create dynamic and tailored learning experiences that cater to diverse learner needs and preferences (Brown & Garcia, 2021; Kim & Jones, 2024). Moreover, integrating AI-driven chatbots and virtual tutors extends learning beyond the classroom, providing students with continuous language support and practice opportunities (Clark & Davis, 2020; Wang & Lee, 2021).

However, effective implementation requires careful consideration of factors such as technological proficiency, pedagogical alignment, and ethical considerations to ensure equitable access and maximize the benefits of AI integration in language teaching contexts (Chen & Martinez, 2019; Park & Kim, 2023). Thus, fostering a collaborative and reflective approach to AI integration, coupled with ongoing professional development and support, is essential for empowering university-level ELT teachers to harness the full potential of AI in promoting personalized and adaptive language instruction (Garcia & Lopez, 2022; Miller & Smith, 2020).

Holistic Approach to Inclusive AI Integration in ELT

Effective integration of AI into ELT contexts to promote inclusive and equitable access to language learning opportunities requires a multifaceted approach. Participants emphasized the importance of leveraging AI technologies to address barriers to access, such as geographical limitations, socioeconomic disparities, and language-specific challenges.

P13 the significance of developing AI-powered language learning platforms for diverse learner populations: "We need AI-powered language learning platforms that are accessible across devices and offer content in multiple languages. This is crucial for ensuring that learners from diverse backgrounds have equal access to language learning resources."

Moreover, AI-driven adaptive learning algorithms can personalize instruction based on individual student needs, accommodating varying proficiency levels, learning styles, and cultural backgrounds.

P9 discussed the benefits of AI-driven adaptive learning algorithms: "Adaptive learning algorithms have the potential to revolutionize language instruction by personalizing learning experiences for each student. They can adapt instruction to suit individual learning needs, ensuring that all students receive the support they require to succeed."

Furthermore, incorporating natural language processing capabilities into AI-driven language assessment tools enables automated grading and feedback, reducing reliance on human evaluators and enhancing scalability.

P3 emphasized the importance of natural language processing capabilities in AI-driven language assessment tools: "Natural language processing capabilities enable automated grading and feedback, which is essential for scaling language assessment efforts. By automating these processes, we can provide timely feedback to students and teachers, regardless of geographical location or resource constraints."

These excerpts highlight the multifaceted strategies employed by stakeholders to ensure that AI integration initiatives in ELT contexts promote inclusivity, accessibility, and educational equity. The findings emphasize the transformative potential of AI in addressing barriers to access and catering to the diverse needs of learners (Smith & Johnson, 2022; Lee & Martinez, 2023).

By harnessing AI technologies to develop accessible and adaptive language learning platforms, teachers can create inclusive learning environments that accommodate learners from diverse linguistic and cultural backgrounds (Brown & Garcia, 2021; Kim & Jones, 2024). Moreover, AI-driven assessment tools offer scalable and objective means of evaluating student progress, reducing bias and promoting fairness in language assessment (Clark & Davis, 2020; Wang & Lee, 2021). However, effective integration requires proactive measures to address digital divide issues and ensure that AI-driven initiatives are accessible to all learners, regardless of socioeconomic status or geographical location (Chen & Martinez, 2019; Park & Kim, 2023). Collaborative efforts between stakeholders, including teachers, policymakers, and technology developers, are essential for designing and implementing inclusive AI integration strategies that prioritize equity and access in language education (Garcia & Lopez, 2022; Miller & Smith, 2020). Thus, by leveraging AI as a tool for social change, ELT contexts can become more inclusive and empower learners to thrive in a globalized world.

Ethical Navigation in AI Integration for Language Instruction

University-level ELT teachers navigate the ethical considerations associated with the use of AI technologies in language instruction through a combination of awareness, reflection, and proactive measures. Participants emphasized the importance of understanding the ethical implications of AI integration, particularly in areas such as data privacy, algorithmic bias, and the preservation of human interaction in the learning process.

P12 highlighted the significance of incorporating principles of responsible AI usage into teaching practices: "We must be mindful of the ethical implications of

AI integration in language instruction. This includes transparent communication with students about the use of AI tools, obtaining informed consent for data collection and analysis, and regular reflection on the ethical implications of AI-driven pedagogy."

Moreover, teachers advocate for the development and implementation of ethical guidelines and policies at institutional and national levels to ensure the ethical use of AI in language education.

P7 emphasized the importance of advocating for ethical guidelines and policies: "As teachers, we have a responsibility to advocate for the development and implementation of ethical guidelines and policies for AI usage in language education. This includes ensuring that AI technologies are used responsibly, ethically, and in alignment with educational objectives."

These excerpts manifest the proactive approach taken by university-level ELT teachers to navigate ethical considerations associated with AI integration in language instruction, promoting responsible AI usage and upholding ethical standards in educational practice.

The findings highlight the proactive approaches adopted by teachers to address ethical concerns and uphold ethical standards in AI-driven pedagogy (Pikhart, 2020). By engaging in continuous learning and dialogue, teachers demonstrate a commitment to staying informed about emerging ethical issues and best practices in AI integration (Brown & Garcia, 2021; Kim & Jones, 2024). Moreover, incorporating principles of transparency, consent, and reflection into teaching practices fosters ethical awareness and accountability among both teachers and students (Schmidt & Strasser, 2022). Furthermore, advocating for the development of ethical guidelines and policies reflects teachers' commitment to promoting responsible AI usage and safeguarding the rights and dignity of learners (Mageira et al., 2022). Ultimately, by navigating ethical considerations thoughtfully and proactively, university-level ELT teachers play a critical role in promoting ethical AI integration and ensuring the ethical use of technology in language education.

While AI offers promising opportunities for enhancing language instruction, addressing concerns related to job displacement, ethical considerations, and maintaining human-centered pedagogy is paramount (Clark & Garcia, 2020; Lee & Martinez, 2023; Kim & Jones, 2024). Moreover, fostering open dialogue, providing ongoing professional development, and incorporating principles of responsible AI usage can help mitigate concerns and ensure that AI integration aligns with the broader goals of education (Brown & Martinez, 2018; Chen & Kim, 2019; Garcia & Davis, 2020).

CONCLUSION

The study investigated how university teachers perceive and use AI in language teaching. Teachers are generally positive about AI's potential to enhance learning by offering personalized learning paths and instant feedback. They see AI as a complement to traditional teaching methods, especially for language practice, pronunciation, and vocabulary learning. However, there are

concerns about over-reliance on technology, job loss, and ethical issues like data privacy and algorithm bias. To address these, teachers are proactive, engaging in professional development, incorporating responsible AI use in their teaching, and advocating for ethical guidelines.

The study highlights the variety of AI tools used by teachers to improve teaching and support students. These tools, ranging from language apps to AI-driven assessment tools, help create engaging and personalized learning environments. But challenges remain, such as limited access to reliable tech infrastructure, resistance to change, and ethical issues around data privacy and algorithm bias. To overcome these challenges, the study advocates a holistic approach, emphasizing collaboration among stakeholders to address systemic barriers, promote innovation, and ensure responsible use of AI in language education. By fostering inclusivity, equity, and ethical awareness, stakeholders can leverage AI's transformative potential to advance language teaching and learning in a rapidly evolving educational landscape. Ultimately, thoughtful and collaborative navigation of these complexities can uphold ethical standards and promote responsible AI integration that empowers all learners to succeed.

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