Tech-Driven Transformation: Improving English Language Instruction With Technology

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	This article focuses on exploring the transformational impact of technology on English Language Teaching (ELT) in the 21st century. The progress of educational technology and its role is facing challenges confronted by traditional ELT methods. The technologies include virtual reality, audio listening tools, video software tools, grammar tech, mobile applications, and personalized learning. Utilizing technology in language education enhances instruction, practice, and evaluation, as per the World-Readiness Standards for Learning Languages. Technology can support language learners as they use the target language in an interactive, meaningful way. Language educators are responsible for the planning, instruction, assessment, and facilitation of any language course, influencing technology to support language learning. This article emphasizes the need of the significance of teachers' professional development, digital literacy, and pedagogical training for effective technology incorporation. Augmented Reality (AR) and Virtual Reality (VR) technologies are revolutionizing language education by offering immersive and interactive experiences that engage learners in ways which are unimaginable. Finally, the article emphasizes that by implementing technology considerately, educators can produce inclusive and lively learning environments that empower learners with essential language skills for the digital age. **Keywords:** *learner-centered approaches, multiculturalism, self-paced learning, autonomy, learning process.*

We need technology in every classroom and in every student and teacher's hand, because itis the pen and paper of our time, and it is the lens through which we experience much of our world.
                                                                        - David Warlick

Introduction

The British Empire's colonial spreading out made English Language as a leading means of communication across the world. British Empire's colonial expansion has created a remarkable impact on almost all the countries to feel the importance of English Language Learning. The growing demand for English language education in the 20th century led to the recognition of English as a global lingua franca, highlighting its superiority in international communication. English is universally acknowledged as a language comprehensible to people worldwide, making it the preferred medium for expressing emotions and utilizing technology. (Sarica, Gulcin & Cavus, Nadire. 2009)

English language teaching has assumed chief significance worldwide due to its key role in facilitating cross-national communication, improving employability prospects, enhancing the access to the quality of education, fostering cultural swap over, and providing access to a wealth of information and opportunities. Proficiency in English has become a valuable asset for individuals and nations in an increasingly interconnected world influenced by globalization, technology, and international relations. This proficiency enables them to effectively compete and interact within the wider global community. Learning English at the college level benefits learners in their future careers by widening employment opportunities, enhancing

communication skills, accelerating career goals, improving personality, opening up new opportunities, and boosting confidence. This is due to the high demand for English proficiency in the international workplace, its role as a global language, and its importance for effective communication and personal development.

The progress of English language teaching has been a forceful progression, adapting to varying educational theories, technological advancements, and sociocultural shifts over time. Initially rooted in traditional grammar-translation methods, it steadily shifted towards more communicative approaches in the mid-20th century, emphasizing speaking and listening skills. With the advent of technology, computer-assisted language learning and online resources became integral to language instruction. The pedagogy of English Language ismoving along with the progressing technology since the computers made its first appearance into English language. Technology and English language education are related to each other (Singhal, 1997). In addition, the recognition of English as a global lingua franca has encourageda focus on realistic, real-world language use. The field continues to advance with a prominence on learner-centered approaches, multiculturalism, and the assimilation of digital tools, reflecting the diverse and interrelated nature of English language learning in the 21st century.

The introduction of technology and growth in the field of education has increased speed for a shift from teacher-centered to learner-centered approaches in language learning and teaching. To gather the needs of digitally grown-up learners, teachers need to adopt a different role. Successful incorporation of technology into the teaching of English Language starts with the instructor getting acquainted with the computing infrastructure and the additional support involved in the integration process (Ching Yang, Shu. 2007). Technological progresses have restructured ELT, making it more accessible and interactive through digital tools and online platforms. Pedagogical approaches have evolved toward practical language use and communicationskills.

Significance of integrating modern technology
The assimilation of modern technology is momentous because it revolutionizes education, making it more engaging, effective, and inclusive. It equips students with essential skills and prepares them for a fast changing world. In addition, it gives power to educators with tools to enhance their teaching methods and better support their students' learning journeys. Faced with real- world constraints of this nature, the teaching profession has looked for new approaches to teaching which allow students to attain their goalswith less direct teacher support. (Tudor, Ian. 1993) Technology is perhaps the strongest factor shaping the educational landscape today. (Johnson, Amy et.al. 2016) Implementation of technology in education is not just a trend; it's a fundamental shift in the way the English Language teachers' approach in teaching and students' learning. Technology has opened up novel prospects that have the potential to revolutionize teaching and learning, enablingeducators to foster an interactive learning environment (Sessoms, D. 2008). Technology provides so many options as making teaching interesting and more productive in terms of improvements as it is one of the most significant drivers of social and linguistic change. (Farooq, Umar. et.al.2018) The teacher plays a crucial role in enhancing learning through the integration of technology. Interactive web environments can generate ideal learning conditions for language students, yet in this context, the role of teachers iscrucial (Küfi, Elmaziye & Özgür, Birikim. 2009). The disposition of educators on the subject of technology's integration into the teaching and learning processes is the key determinant in realizing the effective utilization of technologywithin the sphere of education.

Effectiveness of Using Technology in English Language Learning
The present researches on technology in English language teaching reveal a forceful and developing background. Helping students learn effectively is a continuing research in education, and learner-centered strategies to increase individual learning effectiveness have been the interest of researchers. In order to encourage students to concentrate and participate in the class, teachers need to be creative and innovative. A wide variety of materials and methods of teaching should be explored as students come in different packages with different learning styles and capabilities. The researches have explored the incorporation of an array of technological tools and platforms, such as computer-assisted language learning (CALL), online learning management systems, virtual reality, Artificial Intelligence(AI) and mobile applications, into language instruction. Researchers have looked into their efficiency in enhancing language learning outcomes, engagement, and learner autonomy. Today's technologies enable language educators to strive for a more robust and individualized learner centeredness, one that benefits from technological innovations that influence enhanced individualized experiences, social activity, and access to data. (Kessler, G. 2018)
In addition to the above all, research works have observed the impact of technology on teacher roles and pedagogical approaches, highlighting the need for educators to get used to the digital age. Integrating technology into teaching is a complex issue requiring a broader and deeper understanding of complicated interactions among multiple types of knowledge such as content, pedagogy, technology, and context. (Koehler et al., 2007) The pedagogy of English Language is moving along with the progressing technology since the computers made its first appearance into English language. Technology and English language education are related to each other (Singhal, 1997). The Internet is a powerful tool for teachers to help

students collaborate, interact and participate actively in the English Language learning process. Technology offers vast possibilities for language development and connection to the cultures of the world where the target language is spoken. (Cunningham & Redmond, 2002) Multimedia capabilities have broadened the scopeand enhanced the potential application of computers in foreign language education byproviding useful student-centered learningenvironments with cultural presentations andinteraction tailored to the needs and interest of theindividual learner. (Lafford & Lafford, 1997)

Revolutionized Multimedia and interactive language learning materials

The way of learning and teaching language is revolutionized by the multimedia and interactive language learning materials. Integrating technology into education provides students with an engaging learning experience, allowing them to remain more interested in the subject without being distracted. The utilization of projectors, computers, and other cutting-edge technical gear in the classroom may make studying fascinating and entertaining for students. (Haleem, A. et. al. 2022) This wealth of resources merges a variety of media elements such as text, audio, video, animations, and interactive exercises to engagelearners in a exciting and immersive learning experience. They provide different learning styles, allowing students to hear, see, and interact with the language in authentic contexts. Technology can greatly enrich the communicatively-based approach prevalent in current foreign language practice. Contemporary pedagogy focuses on communicative competence, or the ability to utilize language in a meaningful, functional, and contextual mode. (Wolz Verkler, Karen. 2004) Whether it's through language apps, online courses, or interactive textbooks, learners can practice listening, speaking, reading, and writing skills in an engaging and interactive manner. These materials not only make language learning more enjoyable but also facilitate self-paced learning and personalized instruction, give power to learners to actively take part in their language acquisition journey.

Efficiency of Online language learningplatforms and apps

Online language learning platforms and apps have become important tools for individuals who are looking for new language skills. Efficient learners are able to choose an effectivetechnology tool from many options that meet the needs of the learning task. (Bikowski, D. 2015) Technologies have been improvising the novel ways to enhance the learning environment and their use foster independent learning. (Gonzalez- Vera, P. 2016) These digital resources offer flexible and accessible ways to learn languages from the comfort of one's own environment. Users have rights to use a wide range oflanguages, comprehensive lessons, and interactive exercises, often with features like speechrecognition and real-time feedback to enhance pronunciation and fluency. Research has shown that technology-enhanced environments can increase students' motivation and engagement and improve students' productivity. (Prensky, 2007) In addition, the gamified and social aspects of many language apps constructed learning engaging and enjoyable, motivating users to stay consistent with their language studies. Whether for beginners or advanced learners, online language learning platforms and apps have democratized language education and made it more convenient than ever to get on a multilingual journey. (Wartinbee, E. 2009) found that when students are given opportunities to practice language skills by way of using technology, they feel more confident about their understanding and take chances.

Evaluating Attitudes in Education: TechnologyIntegration

An attitude can be defined as an enduring set of beliefs, feelings, and behavioral tendencies towards remarkable objects or events. In education, both teachers' and students' attitudes are crucial for achieving educational goals, especially when adapting traditional teaching methods to incorporate new technologies. Teachers' attitudes significantly influence educational interactions and instructional choices related to technological integration. The definition of attitudes emphasizes their learned nature, with various factors such as training, knowledge about computers, anxiety, liking, and experienceinfluencing attitudes towards computers. The passage also highlights different perspectives on attitudes, emphasizing their evaluative nature and their impact on responses to specific entities.

CONCLUSION

With smartphones and other wirelesstechnology devices becoming popular among the general public, it only makes sense that schools and educational institutions make efficient use of them by putting technology in the classroom. (Haleem, A. et. al. 2022) The numerous technical resources that are available for both teachers and learners have the potential to yield notable outcomes when exploited efficiently. For example, online learning platforms like Duolingo and Rosetta Stone empower language learners with interactive lessons, real-time feedback, and personalized progress tracking, enhancing their language proficiency. Similarly, teachers can influence Learning Management Systems (LMS) such as Moodle and Google Classroom to organize resources, facilitate discussions, and evaluate student performance efficiently. Besides,collaborative tools like Google Docs andMicrosoft Teams enable collaboration between teachers and students, fostering a dynamic and interactive learning environment. Additionally, educational apps like Kahoot! and Quizizz transform traditional assessments into engaging quizzes, promoting active participation and knowledge retention

among students. When teachers and learners join these technicalresources effectively, they not only enhance the learning experience but also foster a more interactive, engaging, and tailored educational journey.

References:

1. Bax, S. (2003). CALL - past, present and future. System, 31(1), 13–28. doi:10.1016/S0346-251X(02)00071-4
2. Bikowski, D. (2015). The Pedagogy of Collaboration: teaching effectively within an evolving technology landscape. Innovation in English language teacher education, 223-231.
3. Cunningham, A.C., & Redmond. (2002). M.L. "Influencing the instructional Design strategies of new teachers: Foreign Language and Technology Teacher Education," Foreign Language Annals, 35:1.
4. Farooq, Umar & Soormro, Abdul. (2018). Teachers and Technology: Trends in English Language Teaching in Saudi Arabia. International Journal of English Linguistics. 8.10.10.5539/ijel.v8n5p10.
5. Gonzalez-Vera, P. (2016). The e-generation: the use of technology for foreign language learning. New perspectives on teaching and working with languages in the digital era, 51, 61.
6. Haleem, A., Javaid, M., Qadri, M. A., & Suman, R. (2022). Understanding the role of digital technologies in education: A review. Sustainable Operations and Computers, 3, 275-285.
7. Johnson, Amy & Jacovina, Matthew & Russell, Devin & Soto, Christian. (2016). Challenges and Solutions when Using Technologies in the Classroom. in Crossley, S.A., & McNamara, D.S. (Eds.). (2016). Adaptive Educational   Technologies   for   Literacy   Instruction   (1st   ed.).   Routledge. https://doi.org/10.4324/9781315647500
8. Kessler, G. (2018). Technology and the future of language teaching. Foreign language annals, 51(1), 205-218.
9. Koehler, M., Mishra, P., & Yahya, K. (2007). Tracing the development of teacher knowledge in a design seminar: Integrating content, pedagogy and technology. Computers and Education, 49(3), 740-762.
10. Küfi, Elmaziye & Özgür, Birikim. (2009). Web 2.0 in learning English: the student perspective. Procedia - Social and Behavioral Sciences. 1. 326-330. 10.1016/j.sbspro.2009.01.061.
11. Lafford, P. A., & Lafford, B. A. (1997). Learning language and culture with Internet technologies. Technology-enhanced language learning, 215-262.
12. Prensky, M. (2007). Digital Game-Based Learning (St. Paul, Minnesota: Paragon House).
13. Sarica, Gulcin & Cavus, Nadire. (2009). New trends in 21st Century English learning. Procedia - Social and Behavioral Sciences. 1. 439-445. 10.1016/j.sbspro.2009.01.079.
14. Sessoms, D. (2008). Interactive instruction: Creating interactive learning environments through tomorrow's teachers. International Journal of Technology in Teaching and Learning, 4(2), 86-96.
15. Singhal, M. (1997). *Singhal, M. (1997). The Internet and foreign language education: Benefits and challenges. The internet TESL journal, 3(6), 107.* Retrieved from http://iteslj.org/Articles/Singhal-Internet.html
16. Tudor, I. (1993). Teacher roles in the learner-centred classroom. ELT journal, 47(1), 22-31.
17. Verkler, K. W. (2004). Technology in the foreign language classroom. Journal of Educational Media & Library Sciences, 41(4), 455-478.
18. Yang, S. C., & Chen, Y. J. (2007). Technology-enhanced language learning: A case study. Computers in human behavior, 23(1), 860-879.