APLINESIA JOURNAL – Vol 6, No 2 (2022), pp. 1-12
DOI: https://doi.org/10.30595/aplinesia.v7i1.29807
ISSN: 2085-5826

Talk to Arya Robbot: AI Sivi (Speakify) for Teaching Speaking in EFL Classroom

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DOI: 10.30595/aplinesia.v7i1.29807

Submission Track:
Received: 11-03-2023
Final Revision: 17-05-2023
Available Online: 12-06-2023

ABSTRACT

The implementation of the AI-powered app "AI Sivi (Speakify)" for teaching spoken English in the EFL (English as a Foreign Language) classroom marks a transformative leap in language teaching. By integrating advanced technologies, including speech recognition and natural language processing, the app provides real-time feedback on pronunciation and fluency. Its adaptive learning features adapt exercises to individual needs, promoting a personalized and engaging learning experience. Gamification elements, collaboration features and comprehensive analytics increase student motivation and teacher support. The app is curricular-oriented, prioritizes accessibility, and adheres to strict security measures. The AI Sivi (Speakify) as a dynamic and evolving

solution for EFL classrooms and promises to revolutionize the acquisition of spoken English skills.

Keywords: AI, Sivi (Speakify), Speaking, EFL

INTRODUCTION

The value of communicating in English cannot be overemphasized in today's interconnected world, students often find it difficult to break free from the limitations of written assignments and begin their journey to fluent, confident speaking (Gökgöz-Kurt & Durukan, 2023). Ermağan, E., & Ermağan, İ. (2022) added that there are several aspects of communication are engaged in the speaking process that occurs during interaction. Vocabulary, grammar, pronunciation, fluency, and accuracy are often regarded to be the most significant qualities of speaking. Teachers can easily add AI-powered technologies to complement traditional teaching techniques, significantly improving classroom speaking practices.

In pursuance of speakify.ai website (2024), one of its most notable features is AI Sivi's (Speakify) real-time feedback method. During speaking activities, the app assesses pronunciation, fluency, grammar and vocabulary and provides immediate, targeted feedback and ideas for further development. This quick guide allows students to gradually develop their speaking skills, allowing educators to focus on specific areas of need. In addition, AI Sivi (Speakify) is designed for individual customization. It adapts to each student's individual skill level and creates activities and commentary tailored to their specific needs. This personalization ensures every learner is on a guided path to fluency while boosting their confidence. AI Sivi (Speakify) adds gamification features to engage and engage children in improving their speaking skills. Students are encouraged to strive for excellence in their spoken English through achievements, incentives and friendly competition. AI Sivi (Speakify) is used as an integral part of the curriculum in ELT schools, not just an additional tool. To create an immersive speaking

experience, educators effortlessly incorporate it into their teaching practices.

AI technologies, Sivi (Speakify), also help teachers by providing them with useful information about their students' progress. These technologies provide comprehensive data that allows educators to identify areas where students may need more instruction and help. While the use of AI in ELT classrooms is promising, it also presents obstacles. Privacy, algorithm bias, and the potential replacement of human teachers are all ethical concerns that must be carefully considered and managed. Important considerations include balancing the use of technology with traditional teaching methods and avoiding cognitive overload. Continuous research is needed to assess the long-term impact of AI-driven solutions on students' speaking skills.

In the field of English Language Teaching (ELT), the integration of artificial intelligence (AI) tools has received considerable attention, yet a research gap exists regarding the use of AI to improve students' speaking skills (Bozkurt, 2023). The lack of comprehensive studies focused on the development and implementation of an AI-driven system called “Sivi (Speakify)” to improve speaking skills in ELT classrooms is a research gap. This research gap is particularly important because speaking skills remain a fundamental part of language acquisition and the role of AI in facilitating language development is an area that requires further research. In this research, the proposed research aims to bridge this gap by studying the effectiveness of the AI-driven technology Sivi (Speakify) as a pedagogical tool to improve students' speaking skills in ELT classrooms. By implementing the current landscape of AI integration in language education, research can provide valuable insights into the potential benefits this innovative approach. Additionally, it will contribute to the ongoing discourse about the role of technology in language learning and provide recommendations for educators seeking to improve speaking (Cardona et al, 2023)..

AI Sivi (Speakify)

AI Sivi, also known as Speakify, is a significant breakthrough in artificial intelligence and natural language processing. This groundbreaking technology, which has gained global recognition and acceptance, has changed the way we interact with computers and digital devices, making them more accessible and user-friendly. AI Sivi (Speakify) is an AI-powered language learning app that aims to make learning English fun and engaging. The software provides users with bite-sized lessons to help them improve their vocabulary and grammar skills through speaking, reading, listening and writing. Here are some of the app's features(Speakify.ai Website, 2024):

a. Bite-sized lessons

Sivi (Speakify) provides entertaining and interactive bite-sized lessons that make learning English pleasant.

b. Vocabulary and grammar skills

By speaking, reading, listening, and writing, students can improve their vocabulary and grammar skills.

c. Science-based teaching technique

Sivi (Speakify) was created by English professionals and uses a science-based teaching methodology that has been shown to promote long-term language retention.

d. Individualized learning

Each learner receives individualized learning based on their skills and shortcomings.

e. Interactive and game-like lessons

Sivi (Speakify) employs exciting interactions and game-like lessons to teach students how to properly talk, read, listen, and write.

f. Conversations in real life

The app provides 1:1 English conversation sessions with other users, allowing students to practice real-life scenarios and improve their grammar and pronunciation.

g. Progress tracking

When students make practice a daily habit, Sivi (Speakify) allows them to track their progress and strive toward their language learning goals through amusing rewards and achievements.

h. Group sessions

The app provides weekly group sessions via Google Meet where students can receive expert criticism and tips from native English speakers.

i. Sivi (Speakify) employs an AI-powered spoken English trainer to assist students in improving their pronunciation and fluency.

j. Voice technology

The software makes use of voice technology to allow English learners to practice speaking.

The app are designed to prepare users for real-world conversations, making them an excellent choice for those who want to learn English for travel, education, work, family, friends or mental health. Both entertaining and successful, AI Sivi (Speakify) uses gamified lessons and fun interactions to teach users to speak, read, listen and write efficiently. The software was developed by English professionals using a scientifically based teaching style proven to

improve long-term language retention. When users make practicing a regular habit, they can track their progress and work toward their language learning goals through fun rewards and achievements.

AI Sivi's (Speakify) ability to capture and process natural language is its first major achievement. By using advanced machine learning algorithms, it can read spoken and written language with amazing accuracy, allowing users to communicate with their devices in a more human way. This has created new opportunities for people with disabilities and improved the accessibility of digital technologies. Another notable feature of AI Sivi (Speakify) is its use in speech recognition and virtual assistants. It supports popular virtual assistants with its state-of-the-art voice recognition capabilities, allowing users to perform tasks and access information via voice commands. This has increased user productivity and convenience in a variety of industries, from personal tasks to running an organization.

The services of AI Sivi (Speakify) go beyond the area of accessibility. It has improved the accessibility of digital content and services by enabling text-to-speech and speech-to-text conversion. This development has helped people with vision or hearing problems access and communicate information effectively in the digital age. Additionally, Sivi's advances in AI natural language understanding have been critical to the development of chatbots and customer service systems. It has streamlined companies' customer service processes, enabling quick responses and improving user experience. This technology has changed the way companies communicate with their customers, making interactions more efficient and personalized.

AI Sivi (Speakify) has become a remarkable achievement in the field of artificial intelligence. His breakthroughs in natural language processing, speech recognition, accessibility and customer service have transformed the way we interact with digital technology, making it more user-friendly and inclusive. This cutting-edge technology continues to transform our digital landscape and offers

numerous benefits to both consumers and businesses. The app is intended to help users improve their spoken English skills. Users can use the app to practice their English skills in real-world conversations, making them feel competent in any professional environment.

Implementing AI Sivi Speakify for Teaching Speaking in EFL Classroom

To implement the AI features for teaching speaking in the EFL (English as a Foreign Language) classroom using the AI Sivi (Speakify), teacher can follow a more detailed plan. Below are the steps teacher can take (Speakify.ai Website, 2024):

a. User Registration and Profile

Implement a user registration system allowing students and teachers to create accounts. Create user profiles to track individual progress.

b. Dashboard

Design a user-friendly dashboard for both teachers and students. Include sections for different exercises, progress tracking, and settings.

c. Speech Recognition Integration

Integrate a speech recognition API (e.g., Google Cloud Speech-to-Text, Microsoft Azure Speech) to analyze spoken language. Develop an interface for users to record their speech and receive instant feedback.

d. Natural Language Processing (NLP) for Feedback

Use NLP algorithms to analyze spoken content for grammar, vocabulary, and pronunciation. Provide detailed feedback to users, highlighting areas for improvement.

e. Speaking Exercises

Create a variety of speaking exercises targeting different language skills (pronunciation, fluency, intonation). Include interactive exercises like dialogues, role-plays, and discussions.

f. Adaptive Learning

Implement machine learning algorithms to adapt exercises based on individual user performance. Offer personalized recommendations for improvement.

g. Gamification

Introduce gamification elements to motivate learners. Include features like points, badges, levels, and leaderboards.

h. Feedback and Analytics

Provide detailed analytics for teachers to monitor individual and class progress. Enable teachers to give personalized feedback to students.

i. Lesson Plans and Curriculum Integration

Allow teachers to create lesson plans and integrate them into the platform. Align exercises with the curriculum and language proficiency levels.

j. Audio Material Library

Curate or create a library of audio materials, such as conversations, interviews, and speeches. Use these materials for listening and speaking exercises.

k. Discussion Forums

Implement discussion forums to encourage peer interaction and practice. Allow students to participate in discussions on various topics.

l. Collaboration Features

Include features for collaborative exercises, where students can work together on speaking tasks.

m. Accessibility

Ensure the app is accessible to learners with different abilities. Provide options for subtitles, visual aids, and other accessibility features.

n. User Support and Resources

Include a help center or FAQ section. Provide additional resources and tips for improving speaking skills.

o. Integration with Learning Management System (LMS)

If applicable, integrate with existing Learning Management Systems used in educational institutions.

p. Continuous Improvement

Regularly update the app based on user feedback and technological advancements. Stay informed about the latest trends in language teaching and learning.

q. Privacy and Security

Implement strong security measures to protect user data and ensure privacy compliance.

r. Pilot Testing

Conduct pilot testing with a small group of users to gather feedback and make necessary improvements.

s. Training for Teachers

Provide training sessions for teachers on how to effectively use the platform in the classroom.

t. Marketing and Adoption

Develop a marketing strategy to promote the app among EFL teachers and students.

Collaborating with EFL educators and experts during the development process to ensure that the app meets the real needs of the classroom. Continuous communication with users and iterative improvements will contribute to the long-term success of implementing the AI Sivi (Speakify).

4. Conclusion

In summary, implementing the AI-powered speaking app “AI Sivi (Speakify)” in the EFL classroom holds great promise for transforming language teaching. By integrating cutting-edge technologies, this application aims to revolutionize the way students engage with spoken English and promote a more dynamic and personalized learning experience. The app's sophisticated features, including speech recognition and natural language processing, enable real-time feedback on pronunciation, fluency and fluency. Through a variety of speaking exercises and adaptive learning mechanisms, AI Sivi (Speakify) addresses individual learning styles and offers a tailored approach that addresses students’ specific linguistic challenges.

The gamification elements and collaborative features not only make learning enjoyable, but also encourage active participation and interaction with peers. Teachers can benefit from detailed analytics and feedback tools, allowing them to track student progress and provide targeted support. The emphasis on accessibility ensures that the app meets diverse learning needs and becomes an inclusive tool for a diverse student population. Security measures and privacy considerations are prioritized to protect user data and instill trust among both teachers and students. Because the app is lesson plan-oriented, integrates seamlessly into existing curricula, and is a valuable resource for teachers, its potential impact goes beyond individual practice sessions. The continuous improvement model, based on user feedback and advances in educational technology, positions AI Sivi (Speakify) as a dynamic and evolving solution for EFL classrooms.

In the larger context of language teaching, the AI Sivi (Speakify) represents not only a tool for improving spoken English skills, but also a catalyst for a paradigm shift in the approach to language learning. By combining AI capabilities with pedagogical principles, this application has the potential to empower both teachers and

students and contribute to a more effective and engaging EFL learning environment.

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