

Artificial Intelligence(AI) Implementation for English Presentation Skills Training

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Abstract

Artificial Intelligence (AI) tools like Yoodli and ChatGPT improve English presentation skills by providing instant feedback on speech delivery, structure, and pronunciation. [1, 2]

AI Implementation Strategies

- **Content Preparation:** Use large language models to brainstorm outlines, structure slide content, and refine speaker notes. [1]
- **Delivery Practice:** Record practice sessions using AI speech coaches to analyze speaking speed, volume, and filler words. [1]
- **Pronunciation & Fluency:** Leverage speech-to-text features to detect accent errors and practice natural pacing. [1, 2]
- **Hybrid Mentorship:** Combine automated AI insights with human instructor coaching to address contextual nuances and deeper learning gaps. [1]

Keywords- AI, English, presentation, skills, training, implementation

Introduction

This study explores the impact of Artificial Intelligence (AI) and chatbots on enhancing presentation skills in English language teaching, focusing on twenty students from Fatih Sultan Mehmet Vakif University and Bogazici University. Using a mixed-methods approach, the research examines how AI-assisted tools, particularly GPT-based systems, affect the quality and effectiveness of student presentations and their confidence levels. Pre- and post-presentation surveys, along with qualitative interviews, revealed a statistically significant improvement ($p < 0.05$) in both presentation quality and student confidence. The findings suggest that AI tools not only improve presentation performance but also boost student engagement and self-efficacy. The study also notes the initial skepticism of students towards AI, which evolves into acceptance and endorsement. Ethical considerations and minimal concerns about AI-generated content were explored. Despite the limited sample size and the need for further research with larger groups, this study provides promising insights into the potential of AI and chatbots in education, suggesting broader application and integration into curricula to enhance learning outcomes. The research contributes to the discourse on AI in education, emphasizing the need for ethical and effective implementation of these technologies in academic settings.

English is the first foreign language most Taiwanese have encountered, yet few have achieved proficient speaking skills. This paper presents a generative AI-based English speaking training system designed to enhance oral proficiency through interactive AI agents.[1,2,3] The system employs ChatGPT version 5.2 to generate diverse and tailored conversational scenarios, enabling learners to practice in contextually relevant situations. Spoken responses are captured via speech recognition and analyzed by a large language model, which provides intelligent scoring and personalized feedback to guide improvement. Learners can automatically generate scenario-based scripts according to their learning needs. The D-ID AI system then produces a virtual character of the AI agent, whose lip movements are synchronized with the conversation, thereby creating realistic video interactions. Learning with an AI agent, the system maintains controlled emotional expression, reduces communication anxiety, and helps learners adapt to non-native interaction, fostering more natural and confident speech production. Accordingly, the proposed system supports compelling, immersive, and personalized language learning. The experimental results indicate that repeated practice with the proposed system substantially improves English speaking proficiency.

Discussion

Nowadays, the transition to digital technologies and AI in education is ubiquitous. Due to fast spread of artificial intelligence human translators and language learners have to compete with computers. Utilizing AI in language acquisition has culminated in numerous heated discussions. AI skills in acting out a meaningful dialogue are far from spoken language. AI can grasp the main idea of simple language units and even respond to them, but AI is limited to literal interpretation and translation.[4,5,6] A computer translator can know the definition of a word; however, it doesn't understand the context. AI is devoid of critical thinking and "feeling of a word" adherent to a real speaker. Creative attitude to lexis is one of the idiosyncratic features of linguists allowing to converse with interlocutor and brainstorm bright ideas. This is the stepping stone to spelling rules, stylistic devices, rhetoric algorithms. The aim of the study is to define the association of students' academic performance and utilizing digital technologies in preparation for linguistic assignments and translation. The sample consists of 100 students of Southern Federal University and Don State Technical University. Our respondents are Bachelor's, Master's students of various majors. We administered the author's questionnaires of motivation to learning English as a foreign language. The essential methods are: analysis of academic performance, deduction, induction, statistical methods (Mann-Whitney test, Fisher's phi-test). The academic performance assessment reveals that 45% respondents have excellent grades, 22% are good learners, and 33% are mediocre students. Superb respondents show independent study without AI implementation, while slow learners are proponents to use AI in submitting papers and translation of authentic English content. As a result of the study, the author proves the interplay of the desire to apply artificial

intelligence technologies and the low academic performance of students in the preparation of their language assignments.

With the rapid advancement of AI technologies, their integration into educational practices has become increasingly significant, particularly in developing essential skills like presentation delivery. This study aims to explore how Indonesian EFL learners prioritize specific aspects of presentation skills and how AI tools facilitate their self-regulated learning processes. Employing a qualitative approach, semi-structured interviews and focus group discussions were conducted with twelve participants to gather in-depth insights into their experiences and perceptions regarding AI tools. Findings indicate that learners prioritize pronunciation clarity, persuasive topic development, fluent coherence, precise lexical usage, and grammatical accuracy as essential components for effective presentations. Participants reported valuing AI for its ability to provide personalized feedback and improve learning efficiency. This research underscores the potential of AI technologies in enhancing language learning and presentation skills, suggesting that educational practices should integrate AI-supported interventions to boost learners' competence and confidence in public speaking. [7,8,9]

Results

Listening and speaking teaching have always been weak links in English teaching. The emergence of the intelligent learning system breaks the traditional learning method in the classroom, allowing students to obtain learning resources anytime, anywhere, free from fixed time and fixed space. This study aims to know student perceptions of English educational students regarding the implementation of AI to increase listening and speaking skills and to know the limitations and difficulties English education students face while using Duolingo and ELSA Speak applications. We conducted a reflection and semi-structured interview among undergraduate English education students in West Java. A total of 6 participants and all of them are 7th semester English Language Education students. The majority of them agree that AI can increase listening and speaking skills, especially Duolingo and ELSA Speak. Even though there are a lot of limitations and difficulties that need to be considered, such as having a stable internet connection and storage capacity, the student still mentioned that Duolingo and ELSA Speak are great applications for improving listening and speaking skills.

Being able to communicate effectively is an important and essential skill in the business world. So much so, that speaking and presenting skills can advance your career. However, public speaking requires a lot more than just great ideas. You need to be able to articulate these ideas in a way that is clear, concise and persuasive in range of settings including meetings, presentations and public speaking events.

Not only that, your professional credibility will be judged, on how well you can engage with, influence and captivate the people around you. But, how confident are you that every time you present you are achieving your goals? Do you hook your audience at the start of every presentation? Are your presentations consistently engaging and memorable? And in a pitch situation how often do you win? These are just a few of the many things you need to think about when thinking about presenting. Another aspect is how you use technology in your presentation.

Technology has always helped give businesses a competitive edge. And the same can be true for our presentations. So, we've been looking at a range of presentation tools that harness the power of Artificial Intelligence (AI).

AI tools go beyond visual slide design and creation. As well as content generation, storytelling etc, AI tools can provide analysis on speech patterns, including emotion detectors, they offer language enhancement, real time translation, and can analyse large data sets and extract key insights, trends and statistics. [10,11,12]

AI assisted tools can potentially help to clarify our thoughts and ideas, and provide coaching tips on delivery and annotation. So, we've had a look in more detail at some of the more popular AI tools around and how they can assist you as a presenter.

If you are short of time or suffering from writer's block then the new generation of AI based content creation tools can be helpful to either speed up the presentation writing process or be used as an idea generator.

These tools are most beneficial when writing long form text, so not ideal for creating content for use on slides, but they can be useful if you are struggling with a particular topic or idea, or want to create detailed talking points, or even slick prompt notes for your presentation.

Here are some (there are dozens!) of the most popular content generation tools:

Tome inhabits the world of content creation tool, plus visual presentation/slideware generator. It heralds itself as the 'New Era of

Storytelling'. It claims it is the world's first generative storytelling format to truly harness the power of artificial intelligence — enabling anyone to tell a compelling story. Create and share immersive narratives that look great on any device.

Jasper.ai can create content in up to 50 copy writing styles and translate copy into 25 languages. It can rework existing content to reflect a specific tone and learns how to speak your brand language over time.

Copy.ai creates personalised copy in multiple styles and languages. With over 90 templates in 25 languages Copy.ai can be helpful for generating short copy as well as long form blogs. It is helpful for rephrasing copy and changing writing styles if you are looking to freshen up your narrative.

Copysmith is helpful for generating short content and taglines and for auditing existing copy. It can also rewrite or extend copy which can be useful for creating presentation voice over notes.

Longshot incorporates a fact checker and research capability into its content generation software, which is useful since AI generated content can occasionally contain inaccurate or out of date information.

At SecondNature we focus on helping business executives create impactful and engaging, audience-driven presentations using our proprietary Presentation Mapper(TM) framework (not quite AI, but a highly intelligent framework for creating a compelling structure to your presentations!) and a range of tried and tested storytelling techniques. [12,13,14]

We also recommend slide design dos and don'ts. The role of slideware is to add impact, emotion, drama and emphasis through the use of graphics and images that enhance the spoken narrative. Slides are not intended to tell the story by themselves. But, good slides add weight, professionalism and impact to a presentation. However, creating stunning visual aids can potentially be extremely time-consuming.

AI-powered visual presentation tools and slide creation tools can assist with ideas, layout, formatting, identifying relevant images, videos and data visualisation. So, let's take a look at a cross section of some of the AI slide design tools available:

Decktopus is the world's No.1 AI-powered presentation generator, and in their words your ticket to deck perfection. Including an image finder, slide note maker, slide content generator, a voice recorder, forms and much more.

Beautiful.ai has a wide range of customisable templates to choose from that are easily adaptable. Just upload your content and brand assets and this tool will help you to create stunning slides in minutes. It can suggest a range of images from its visual library and recommend additional content. It also allows you to collaborate with team members.

Designs.ai describes itself as an 'Agency-as-a-service' platform which we would probably describe as a full-service creative agency. In addition to comprehensive slide and design generation options, Designs.ai also includes a logo maker, video maker, speech maker – using NLP technology with 50 voice-overs in 15 languages – and a content generator!

Presentations.ai focuses on business presentation slide generation and the easy-to-use interface allows users to upload their brand assets for customisation. You can input your company's key selling points to produce more relevant content and design ideas and is a good option if you have multiple presentations to produce.

Kroma.ai has been created by industry experts and focuses on helping users to create impactful 'pitch to win' presentations with specific decks tailored to start-ups and investor pitching. It offers a wide range of creative design assets and includes expert 'grab and go' content' to speed up the creation process.

Sendsteps.ai is a presentation maker and content creator and includes an interactive element that allows the audience to participate in polls and surveys during the presentation via a web portal using their smartphone. Content can be easily uploaded and customised and new content can be generated to enhance your message. The deck can be exported to PowerPoint or used in the Sendstep application.[13,14,15]

Conclusion

Experts at the British Council and Dr Helen Crompton from the Research Institute of Digital Innovation in Learning at ODUGlobal examined 43 research studies about this topic. They found:

AI tools are being used to improve speaking, writing, and reading skills. It can provide new ways of teaching and supports students with goal setting and managing their own learning. AI tools don't seem to be used much for improving listening skills.

AI tools can help learners practise English outside class. They can also lessen learners' fear of speaking in English. But we need more research to see if these benefits last without the continued use of AI.

Even with rapid changes in technology, traditional lecture-style teaching is common.

There are four main challenges with using AI:

sometimes, the technologies don't work as they should

AI has limited capabilities

some learners fear using AI

use of AI may reflect biases about 'appropriate' language use.

As ELT is the most common discipline for AI use in education², English language teachers must develop their AI literacy skills. Teachers should also develop learners' AI literacy so that they can understand its limitations and risks. Experts should think carefully about which AI models to use, as models may not include all varieties of English. Clear rules on data privacy and ethics statements for AI in ELT are needed.[14,15]

Future research should include more geographies and learner groups, particularly K-12 (school-level education) and adult learning. We need more research on how AI can help with developing receptive skills, particularly listening. We also need to know more about the specific challenges around AI use in ELT. Finally, we need more studies on how AI can be used for assessment.[15]

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