

"Language Mastery Made Easy: Unleashing the Power of Interactive App-Based Learning"

Dr. Muthukrishnan Anand^{1*}, Dr. M. Anish Alfred Vaz², Dr. S.Gomathi³,
Dr. G. S. Sujantha⁴, Dr. K. Santhi maheswari⁵

^{1*}, Department of English, Ramco Institute of Technology, Rajapalayam – 626 117, Tamilnadu, India
Ramco Institute of Technology, Rajapalayam - 626 117, Tamilnadu, India.

¹anand@ritrjpm.ac.in, ²anish@ritrjpm.ac.in, ³sgomathi@ritrjpm.ac.in,

⁴ sujantha@ritrjpm.ac.in, ⁵santhi@ritrjpm.ac.in

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Abstract

When the integration of technology in education became popular, the term "Application Based Learning" emerged as a way to describe this phenomenon. Other terms such as "learning" and "virtual learning" have also been used in an effort to define this concept accurately. However, the core principles behind app-based learning have had an impact on the world. As a result, approaches like robot-assisted language learning (RALL) mobile-assisted language learning (MALL) and computer-assisted language learning (CALL) are now commonly employed. This paper will delve into the applications that facilitate English language development in alignment with these advancements in language education. By examining known apps, we will identify the opportunities and outcomes associated with app-based language learning. The paper will conclude with thoughts on the future of application-based technology for enhancing language skills.

Keywords: Application, online learning, virtual learning, RALL- robot-assisted language learning, MALL- mobile assisted language learning, CALL- computer-assisted language learning and application-based technology

Introduction

Technology-Enhanced Learning focuses on integrating technology into teaching without overshadowing the concepts. Technology has applications in our lives, and its impact on education is significant. To stay updated with future advancements in technology, it is important to explore how these trends can be implemented beyond traditional classrooms using app-based learning. Keeping up with advancements through development networks, training opportunities, and app-based learning is crucial since technology continuously evolves. As a result, educators in education are compelled to innovate and adapt to meet the requirements of 21st-century competencies. This shift in practices has facilitated the transition to a level of learning using apps and mobile phones.

An overview of CALL's, MALL's and RALL's past.

CALL (Computer-Assisted Language Learning)

In the past, when CALL (Computer Assisted Language Learning) became widely known, language instruction primarily focused on teaching methods related to structure and organization. One popular approach was the technique, which placed a strong emphasis on grammar instruction. However, as time went on, the possibilities for incorporating technology into language learning expanded considerably. In a review of more than 350 empirical studies on language learning technologies, Golonka et al. (2014) examined the effectiveness of tools such as learning management systems (LMS) interactive whiteboards, e-portfolios, electronic dictionaries, intelligent tutoring systems, grammar checkers, automatic speech recognition software, network-based social computing platforms, and mobile and portable devices.

MALL (Mobile Assisted Language Learning)

Research indicates that individuals with varying language proficiency levels are utilizing mobile devices, such as smartphones, to enhance their language skills. This usage is projected to grow as educators become more proficient in leveraging technology to achieve language learning objectives and students become increasingly adept at creating their own learning activities. Present-day students heavily rely on their phones for personal and learning purposes. They manage aspects of their lives with the assistance of these devices. Similarly, teachers and instructors utilize phones as a means of communication, sharing study materials electronically through gadgets like smartphones (Brick & Cervi Wilson, 2015; Burston, 2014; Chwo, Marek, & Wu, 2016; Demouy et al., 2016; Godwin Jones, 2016; Godwin Jones et al., 2017).

RALL (Robot-Assisted Language Learning)

RALL, which began its research in countries around 2004, drew inspiration from the field of artificial intelligence (AI) technology (Kessler, 2018; Han, 2012). From their inception, robots have proven to be a tool for encouraging students to learn foreign languages, particularly in situations where finding skilled instructors in the target language can be challenging (Han, 2012; Hong et al., 2016; Vogt et al., 2017).

An exploration of the progress made in utilizing language learning applications (apps) highlights advancements. However, there is still a long way to go before achieving integration. The following sections will discuss the search for diverse language learning apps and the implementation of approaches to language instruction.

Learning a language with an Application

In today's generation, students have shown great interest in incorporating technology into their education. The use of technology and application based learning has particularly sparked enthusiasm among learners. Language learning applications, in particular, have gained immense popularity and accessibility. Many language learning apps are now available to help individuals embark on their language learning journey. Let's explore some effective steps to master a new language using these applications;

Choose a reputable language learning app: Consider exploring and choosing a highly recommended language learning app that aligns with your specific requirements. There are several popular choices available, such as Duolingo, Babbel, Rosetta Stone, Hello Talk and Memrise.

Set clear goals: First, establish your goals for language learning. Decide what you want to achieve, whether it's developing basic conversational abilities, reaching fluency or something in the middle. Setting clear objectives will aid in your language mastery and keep you motivated and focused. Additionally, students' fascination with gadgets can serve as a catalyst for acquiring language skills effortlessly.

Start with the basics: Most language learning apps provide courses or lessons designed for individuals starting from scratch. Starting with the fundamentals, like grasping grammar rules, commonly used phrases and vocabulary, will always lay a solid groundwork for acquiring any language skill. Building a strong foundation is crucial for advancing and fulfilling any prerequisite requirements.

Practice regularly: It's important to maintain consistency while learning a language. Make sure to dedicate regular time to practicing using the app. Create a study schedule that suits your needs, whether it's daily, a few times a week or even on weekends. Even short practice sessions can be beneficial. Always remember that practicing is crucial for mastering any language and helps in developing your skills.

Engage in interactive exercises: Language learning apps commonly offer interactive exercises, quizzes and games to strengthen the development of knowledge. It's important to regularly participate in these activities to practice your skills, enhance your vocabulary and solidify your understanding of grammar concepts.

Listen and speak: Numerous language learning applications provide options such as audio recordings and speech recognition. It is essential to pay attention to the pronunciation of words and phrases and make an effort to replicate

them. Speaking out loud aids in enhancing pronunciation skills and fluency. Nonetheless, the fundamental aspect of comprehending any language lies in listening attentively.

Immerse yourself in the language: Language learning applications can serve as a useful resource, but they shouldn't be your only means of becoming acquainted with a language. Enhance your app usage by immersing yourself in the language through other avenues. Engage in watching movies or TV shows, listening to podcasts, reading books or connecting with language exchange partners to practice speaking.

Track your progress: Many language learning applications provide features that allow you to track your progress. Keep an eye on your advancement to gauge how much you've accomplished and keep yourself motivated. You can also set reminders to keep tabs on your regular work progress. Don't forget to celebrate the milestones and achievements you reach along the way.

Seek additional resources: Language learning apps can provide a solid foundation, but it's worth considering other resources to enhance your comprehension. Consider utilizing grammar books, online tutorials, language courses or even seeking the guidance of a tutor to supplement your app based learning experience.

Practice speaking with native speakers: There are language learning applications such as HelloTalk or Tandem that allow you to connect with native speakers. Engaging in conversations with them can significantly enhance your language abilities and provide you with real life situations to practice in.

Keep in mind that language learning apps can be incredibly useful, but they are most effective when used alongside real life practice and engagement. Maintaining a positive mindset, being consistent and staying dedicated are the essential factors for achieving successful language acquisition.

Applications (APP) based language Learning

There are plenty of language learning apps that you can use on your smartphones, tablets or computers. These apps employ different methods and features to assist learners in enhancing their language abilities. Below are a few well known language learning applications;

Duolingo: Duolingo is a widely used language learning application that provides courses in various languages. It incorporates gamification strategies to make the learning process enjoyable and immersive. The app includes exercises aimed at enhancing vocabulary, grammar, listening and speaking abilities.

Rosetta Stone: Rosetta Stone is a language learning program that offers an adequate number of language courses. The app uses a dynamic immersion method where learners are exposed to the language through images, audio, and text. It focuses on developing speaking and listening skills.

Babbel: Babbel is a language learning application that provides interactive lessons for multiple languages. It offers engaging conversations, vocabulary practice and grammar tutorials. The primary goal of Babbel is to assist learners in having meaningful conversations in their desired language.

Memrise: Memrise is a fantastic language learning platform that employs effective techniques like spaced repetition and mnemonics to assist learners in retaining vocabulary and phrases. What makes it truly impressive is the diverse array of user created courses available in numerous languages.

HelloTalk: HelloTalk is an amazing language exchange application that facilitates connections between language learners and native speakers of their target language. With this app, users can engage in chat conversations, make voice calls and even have video chats with native speakers, providing them with an immersive experience to enhance their language skills in a practical setting.

FluentU: FluentU is a fantastic app that utilizes real life videos, like movie trailers, news clips and music videos, to assist in language learning. It offers interactive subtitles, vocabulary explanations and quizzes to aid learners in comprehending and immersing themselves in the material.

LingQ: LingQ is an app designed for learning languages that primarily emphasizes developing reading and listening abilities. It provides a wide range of texts in various languages, enabling learners to engage with content at their preferred speed. The app also offers interactive features to help users look up unfamiliar words and monitor their progress.

There are various language learning apps available nowadays and it's advisable to try out multiple apps to find the one that aligns best with your learning style and objectives. Each app comes with its own set of distinctive features and teaching approaches.

Limitations of Application based language learning

Although language learning apps provide numerous advantages, it's important to acknowledge that they also come with certain restrictions.

Lack of human interaction: Most language learning applications primarily emphasize individual study and are unable to completely replicate the experience of engaging with native speakers or language instructors. Engaging in conversations with actual people offers valuable chances to practice speaking receive feedback and grasp cultural subtleties.

Limited speaking and listening practice: Many language learning applications focus extensively on improving reading and writing skills but might not offer enough chances for practicing speaking and listening. To truly become fluent and comprehend spoken language, it is important to engage in real life conversations and become familiar with authentic audio materials.

Lack of personalized feedback: Language learning apps often offer automated feedback using pre-established rules or algorithms. Although this can be beneficial for general error correction, it may not effectively target individual weaknesses or provide personalized and nuanced feedback to meet your specific needs.

Limited cultural context: Most language learning applications tend to prioritize instructing grammar, vocabulary and phrases, overlooking the cultural dimensions of the language. It is crucial to comprehend a language's cultural context in order to communicate effectively and foster connections.

Difficulty in complex language structures: Language applications can prove helpful in acquiring fundamental grammar and vocabulary skills. However, they might face challenges when it comes to instructing intricate language structures or idiomatic expressions. To enhance your comprehension in these domains, it may be beneficial to explore supplementary resources like textbooks or courses.

Lack of immersion: Engaging with language and culture is essential to quickly acquire a new language. Although language learning apps offer some exposure, they cannot fully replicate the immersive experience of living in a country where the language is spoken or participating in language immersion programs.

Limited adaptability to individual learning styles: Most language learning apps incline to have a standardized curriculum or approach, which may not completely align with your preferred learning style or individual preferences. Some learners may find that they need alternative methods, like visual aids, interactive tasks or personalized guidance, which may not be readily available through an app.

Despite these constraints, language learning apps can still be useful for acquiring a new language, especially when it comes to expanding vocabulary, understanding grammar and building a strong foundation. To truly enhance language skills, it's important to complement app based learning with other resources such as real life conversations, cultural immersion experiences and extensive reading.

App based language learning and its future:

The growth and innovation in app based language learning have been remarkable in recent years and its potential for the future is highly promising. Let's explore some of the trends and possibilities that lie ahead for app based language learning.

Artificial Intelligence (AI) advancements: The field of AI is constantly evolving and advancing and it's highly probable that it will have a substantial impact on the future of language learning applications. AI has the potential to improve personalized learning approaches by analyzing learner information, tailoring content to individual needs and offering more precise feedback and evaluation.

Conversational AI and chatbots: Language learning applications have the potential to integrate advanced conversational artificial intelligence and chatbot functionalities. These functionalities currently enable interactive conversations, simulate real life dialogues and provide personalized language practice with immediate feedback, thus enhancing the immersive and engaging nature of the learning experience.

Virtual and augmented reality (VR/AR): Virtual reality (VR) and augmented reality (AR) have the ability to revolutionize language learning. Applications could provide simulated settings where learners can enhance their language abilities by engaging in authentic situations, such as placing orders at a restaurant or engaging in virtual conversations with native speakers.

Gamification and social learning: Adding elements of gamification, like leaderboards, badges and rewards, can make the process of learning a language more enjoyable and encourage learners to stay engaged consistently. Additionally, integrating social learning aspects into language learning apps, such as language exchange communities or virtual study groups, promotes collaborative learning and offers opportunities for cultural exchange.

Adaptive learning and personalized content: In the future, language learning applications are anticipated to become more flexible and tailored to individual users. These apps will have the ability to evaluate learners areas of proficiency and areas needing improvement. They will then adjust their content accordingly, offering personalized learning paths that aim to maximize effectiveness and cater to each learner's specific requirements.

Multimodal learning experiences: Language learning apps can incorporate multiple modes of learning, such as audio, video, interactive exercises, and real-time feedback. This multimodal approach can cater to different learning styles and provide a more comprehensive learning experience.

Integration of real-world immersion: Language learning applications aim to enhance the integration of real life immersion experiences into their platforms. They plan to achieve this by establishing collaborations with language schools, language exchange programs and even immersive virtual reality encounters that replicate genuine language and cultural environments.

Enhanced cultural and contextual understanding: Language learning applications often prioritize the cultural and contextual dimensions of language, offering learners profound cultural insights and aiding them in cultivating a comprehensive comprehension of the language they are studying.

Continuous learning and lifelong learning support: Continuous improvement in language acquisition is a never ending journey and upcoming applications might prioritize assisting learners at levels beyond the basics and intermediate stages. These tools could provide advanced courses, tailored content for particular industries or professions and avenues for ongoing skill enhancement.

In the constantly changing realm of language acquisition, the future of language learning through mobile applications shows great potential. With rapid technological advancements, language learning apps are expected to go through a significant transformation, providing learners with personalized, comprehensive and highly effective language learning experiences like never before.

Conclusion

The possibilities for personalization in language learning apps are limitless. Thanks to the help of artificial intelligence and machine learning algorithms, these applications can analyze a learner's strengths, weaknesses, preferred learning style and pace. By using this data driven approach, these apps can customize the content, exercises and challenges to suit each individual learner's specific needs. They can create adaptive learning paths that allow users to learn at their own pace and concentrate on areas that require more attention. This high level of customization ensures that learners stay engaged, motivated and committed to their language learning journey.

Moreover, there is great potential in the future for developing all-encompassing language learning solutions through a single application. Rather than relying on various platforms to tackle different aspects of language acquisition, like grammar, vocabulary, speaking, listening and cultural understanding, app based solutions are likely to seamlessly integrate all these elements. This integration will facilitate a comprehensive learning

experience where learners can engage in reading, writing, speaking and listening activities within a unified environment. Furthermore, it will incorporate cultural insights and context to provide an immersive experience that surpasses mere vocabulary and grammar acquisition.

The future of language learning apps holds great potential for sophistication. With advancements in speech recognition technology, learners can expect more accurate assessment and feedback on their pronunciation, leading to improved spoken language skills. Additionally, the inclusion of real time translation capabilities could facilitate communication between learners and native speakers, effectively bridging language barriers and encouraging the practical use of newly acquired skills. To make language learning a dynamic and interactive experience, elements like gamification, augmented reality and virtual reality can also be seamlessly integrated into these apps.

App based language learning will continue to prioritize flexibility as its core foundation. In the future, these applications are expected to cater to different learning preferences and schedules, ensuring that learners can seamlessly integrate language learning into their busy lives. Mobile devices and other technological tools will play a crucial role in facilitating language acquisition, empowering learners to practice and make progress wherever they are located.

The integration of artificial intelligence, data analysis and educational approaches will open up new opportunities for language learning as technology advances. Language learners can anticipate the emergence of mobile applications that enable them to excel in languages in ways that were previously unimaginable. In the future, language learning apps have the potential to become essential companions, assisting learners on a transformative path of linguistic and cultural discovery.

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