

ENGLISH SCHOOL MATE

SRI LANKA

Project ID: 2020-069

Project Proposal Report

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DECLARATION

We declare that this is our own work and this proposal does not incorporate without acknowledgement any material previously submitted for a degree or diploma in any other university or Institute of higher learning and to the best of our knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgement is made in the text. Name Student ID Signature The supervisor/s should certify the proposal report with the following declaration. The above candidates are carrying out research for the undergraduate Dissertation under my supervision.

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Signature of the supervisor:

Date

Abstract

Learning English as a Second language is considered as a challenging task. It is even more difficult in an undeveloped rural area. Listening skill is one of the most necessary skills to communicate in the real life. In learning a foreign language, it is more and more important to learn this skill. Everybody knows that in order to listen to a message is not as simple as hearing it, so the listener has to understand the message and respond in the right manner. The objective of the study is to find out the major educational challenges that students face in learning English in the Sabaragamu province and North Western province. The methodology employed in gathering information was questionnaires. The data were analysed using qualitative and quantitative methods. In order to improve the quality of English listening and teaching, the characteristics analyse of speech signals in English listening is taken based on speech visualization technology and visualization research of speech in English learning teaching is realized. Then, it would like to find out the reasons for those problems and the solutions for both teachers and students in teaching and learning the listening skill. More importantly, the study helps me find out the causes of those difficulties so that I can work out the right solutions to the problems. With the hope of improving students' listening competence. English listening teaching is realized the detection and recognition of English speech signal are obtain with match filter, detector, speech analyse and recognition ability of English listening, teaching improved. In here I hope to implement additional lessons for good habits using listening like story telling it is very interactive way to improve the habits. In research time every teacher told me that there should improve the students habits is very good for their future. Finally I decide to generate reports.

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1. Introduction

1.1.Back ground

The main aim of this study was to investigate the effectiveness of listening activities as a strategy are used in the teaching-learning process in learning English as a second language classroom in Sri Lankan school context. At present English language proficiency has become a necessity to deal with numerous functions in daily routine. Thus, constant attention is paid to utilizing effective strategies to enhance the English language proficiency of the students. Therefore, this study intended to highlight the theoretical background of language learning and how listening activities can be incorporated into second language learning classroom for better results. Second language acquisition has become a widely discussed concept in many contexts as the phenomenon of the global village has become a reality due to the rapid advancement in modern technology. Nowadays listening plays a virtual role in daily lives. People listen for different purposes such as entertainment ,academic purposes or obtaining necessary information.of the four language skills - listening ,speaking, reading and writing.that languages suppose to acquire.Listening,speaking, reading and writing that all language learners are supported to acquire.listening is belived to be the most challenging due to the complex and nature of listening comprehension in a second or foreign language. The English language was implemented as the medium of instruction in the ancient Sri Lankan education system with the introduction of British education policies by the British colonizers.listening takes the most priority feature. And also most important thing is child behavior.so in this application we improve it with activities. Finally generate a report and child or parent can see the progress.

1.2 LITERATURE REVIEW

Listening is considered as one of the most important skills in acquiring both a native language and a second or foreign language. There are several pieces of research conducted all over the world on educational tools.

- Android app development for teaching reduced forms of EFL listening comprehension to decrease cognitive load Hsin-Yu Yeh, Yu-Tzu Tsai, Chih-Kai Chang Department of Information and Learning Technology National University of Tainan Tainan, Taiwan chihkai@mail.nutn.edu.tw - As globalization becomes a trend, the ability to communicate in English became one of the most important skills. Comparing to speaking, reading, and listening, most of the English learners considers “Listening” to be the most difficult skill to acquire. The traditional way of teaching English as a second language mostly involves in slow and clear pronunciations. However, learners have difficulties learning through the traditional method. Many second language learning researchers pointed out that the reduced forms of English pronunciation have caused the difficulty in learning English for students [12]. The best way to learn the reduced form of English pronunciation is to listen to an extensive amount of English conversations in real world situations [9, 10, 11]. Movies and TV series can reflect real life situations; therefore, they are recommended for learning the reduced form of English according to many pieces of research [5]. Subtitles are often used to assist the understanding of the English learning videos. The learners may focus on the reading of the subtitles and tend to neglect the listening section. This research aims to select videos suitable for language learning, and also to develop a system that uses the App Inventor 2, an application developed by the MIT Center for Mobile Learning, to train the pronunciation of the students and enhance the listening ability of the students. Keywords — Listening Comprehension; Reduced Forms; Video Subtitle; App Inventor 2; Cognitive Load.
- The Design of English Listening Learning System Based on Android Platform Minjie LUO1, a 1 Jiangxi Vocational and Technical College of Information Application, Nanchang 330043, China a MinjieLuo@yeah.net - With the smart phones, PDAs, tablets, and the popularity of other portable communication equipment, make mobile learning to be a new kind of study way, the interactive English listening learning system at present is poor and poor, renewable resources, shortcomings and so on big data traffic,

this paper puts forward a kind of English listening learning system based on the Android platform, you can easily realize the integration and extension. This paper expounds the design idea, development of the system model, the main function module design and implementation. The implementation of the system for English listening learning services provides a new way to research on mobile learning system has certain practical and reference value.

- A Study on Using Podcast to Facilitate English Listening Comprehension Mei-Jen Audrey Shih Graduate Institute of Network Learning Technology National Central University Jhongli, Taiwan audreyshih32@cl.ncu.edu.tw Jie-Chi Yang Graduate Institute of Network Learning Technology National Central University Jhongli, Taiwan yang@cl.ncu.edu.tw - While acquiring English as a foreign language, a consideration on providing a genuine English learning environment to learners can arouse a more active and direct immersion of the language learning. By the feature of authenticity, English listening comprehension has been seen as an important prerequisite to other language skills in English learning. Moreover, a different receiving listening process of bottom-up or top-down way might influence how learners comprehend the information. Besides, an appearance of podcast is identified as a beneficial facilitation to foreign language learning, and through its usage might enrich the language learning efficiency. To this end, this study addresses these notions to concern how the podcast can be an aid to advance alternative means of English listening comprehension to EFL learners. The findings discuss how and the distinction of the two different listening comprehended processing within podcast affect learning outcome, the role of prior knowledge, background information, and podcast among the learning procedure. The expected results tend to show the alternative listening comprehended processing would benefit EFL learners who engage in different prior knowledge and background of English learning experience. A concern of different English level learners might favor either distinct or alternate means of listening processing. Keywords- listening comprehension; bottom-up processing; top-down processing; prior knowledge, podcast

1.3 Research Gap

There is a rapid mobile application development of the country therefore number of apps increase for English learning but our one is different than others.

Research	Cover	Listening and answering system
VOA special	Only paragraph reading from device and can only listen that.	In here I use listen and answering activities. Listening paragraph and cope with the English sounds.
ESL test	Only listening test activities.	In our app we use both listening tests and listening paragraph and cope to the English voices.

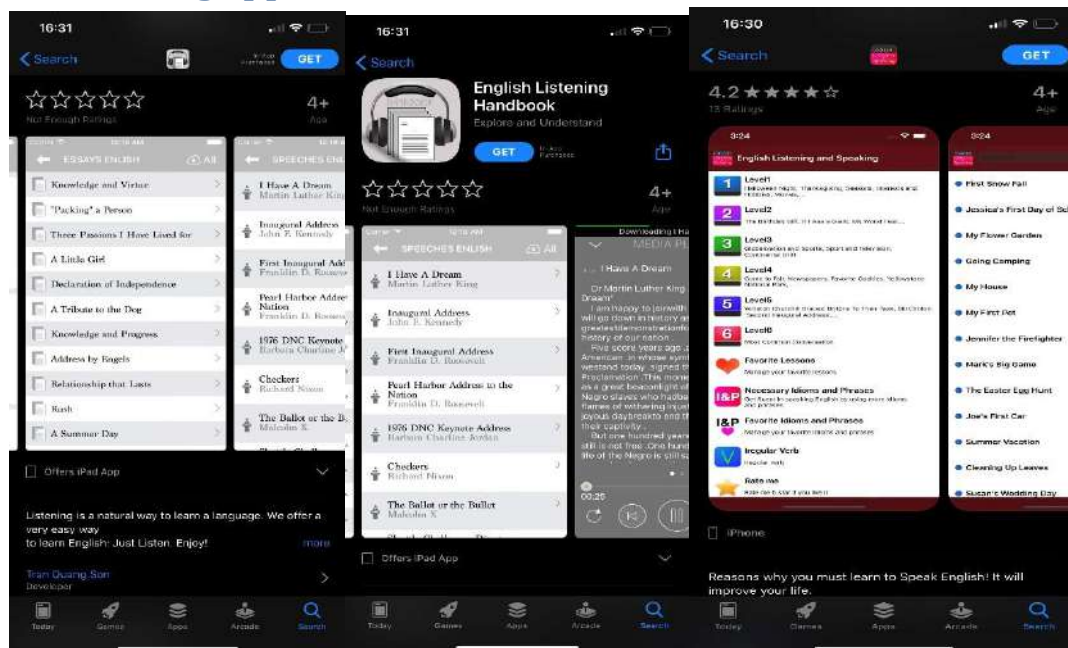
1.3.1. Table: Research gap

applications	Train pronunciation	Examine question and answers	Generate reports	Train behavior With activities.	Focus English pupil book
Proposed system					
Check your listening	NO	YES	YES	NO	NO
Toeic checker	NO	YES	NO	NO	NO
Learn English podcast	NO	YES	NO	NO	NO

1.3.2. Table: Research gap

And also the most important thing is in this app has multi functional things. They are listening activities. Tests and examine them, counting marks and generate the progress report. And with this listening activities I decide to develop child behavior using various kinds of listening activities.

1.4. existing apps



1.4.1 figure ; existing Apps

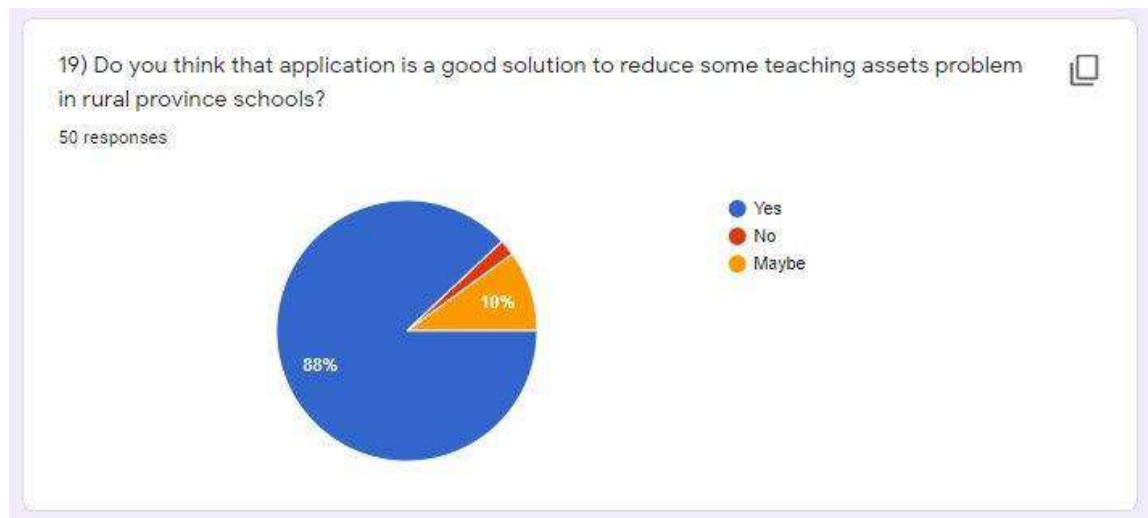
All those apps (English listening and speaking, English listening hand book) hasn't above mention functions together.

2. Research problem

English listening learning is an important component part of English learning. With the development of information, internet English listening with integrated network advantages has become significant supplement for English classroom teaching and home. At present, there are numerous English listening learning websites/apps, but how about the quality? How about the teaching effect? What kind of the websites / apps is an excellent teaching website/ apps? What kind of websites/apps can learners select to studies?

All those questions have one solution. It is “English School Mate”

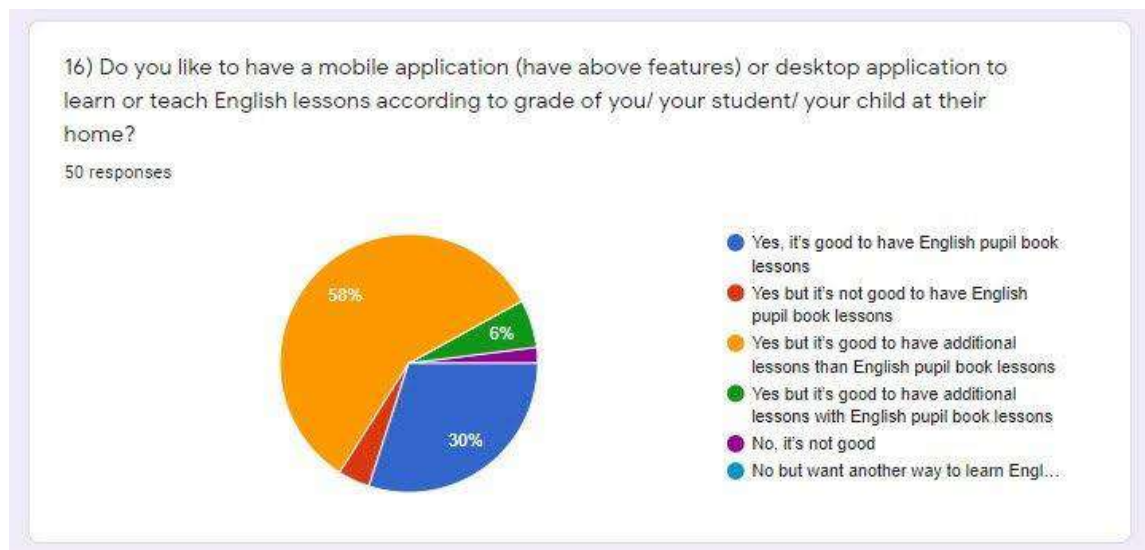
Actually in school there isn't any tasks for listening. I think is a huge problem. Listen activities can improve the thinking ability because we give a questions while the listening. Also in here I develop child behavior using the task . so that reason it develop child learning and listening ability and good behavior.



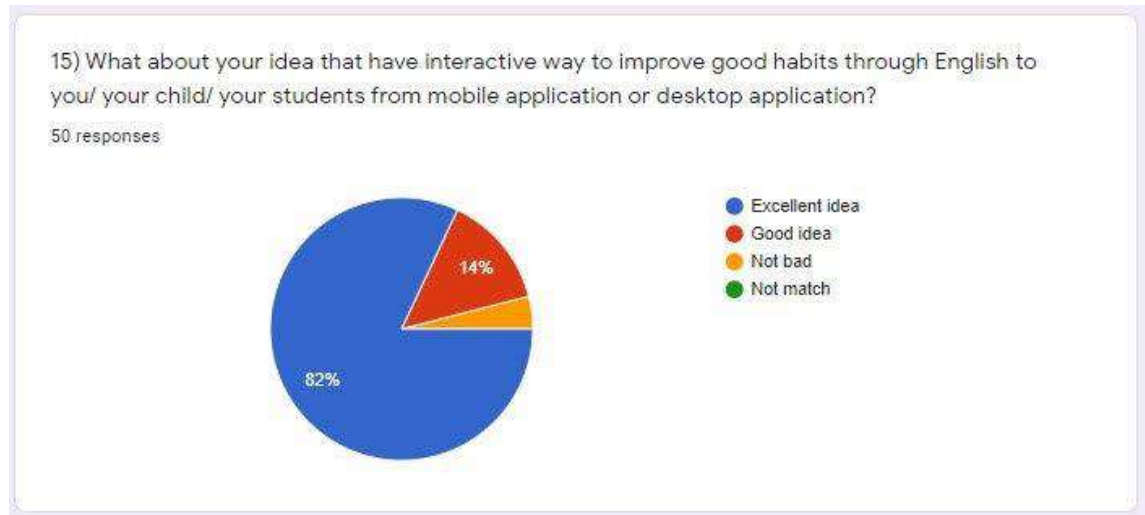
2.1 figure teaching problems in sri lanka

In here we can see that application is more important for rural province schools.

Percentage is 88%.



2.2 figure learning lessons

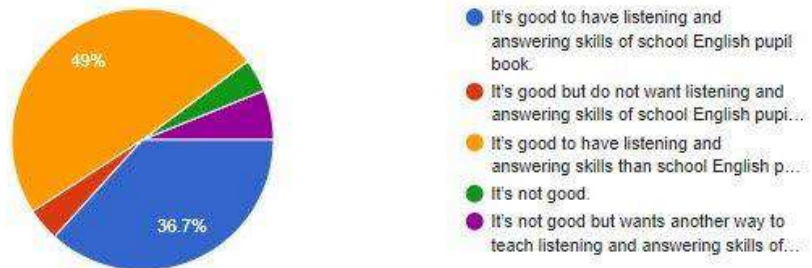


2.3. figure children good habits

Above diagram shows that there can improve child behavior with using this kind of application.

14) What about your idea those have interactive way to improve English listening and answering skills to you/ your child/ your students from mobile application or desktop application?

49 responses



2.4 Figure ideas for improve english

Above diagram also show s that listening and answering skill improvement is good for the children.

3..Objectives

- Brain improvement

It is important to educate yourself how the brain is related to hearing and listening skills. Listening exercises can help you to practice various communication strategies that help you to train your brain to listen.

- Give entertainment

In here with using lots of interesting questions can give entertainment for child. I add funny stories for learning and improve listening abilities.

- Improve behavior

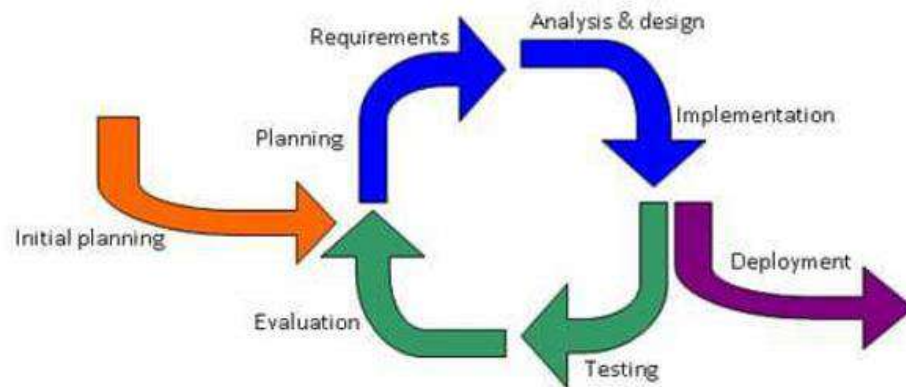
In here with using good habits stories can develop child behavior.

- Develop education

Main aim is develop child learning abilities.listening can improving mind developing and English accent with pronunciation.

3.Methodology

Proposed this application is using the iterative methodology of Software Development Life Cycle. An iterative life cycle model does not start with a full specification of requirements . Instead, development begins by specifying and implementing just one stage, which can then be reviewed in order to identify further requirements . This process is then repeated.



3.1 figure methodology

Planning

In the initial planning phase, I selected an idea to conduct the research and then did the feasibility study and Literature Survey. With the help of the survey I decided to develop the English school mate which contains using English pupils books activities

Requirement gathering

In the Requirement Gathering phase, I gathered information from rural schoolland by giving questionnaires to the parents teachers and students.

Requirement analyzing

Then did the requirement analysis and requirement specification for the gathered requirements.

Design

In the Design phase, I decided to design separate activities to develop the brain improvement, educationl and thinking ability. There will be several levels which increase the complexity level by level of listening activities.activities consist of select the correct answer.

Implementation

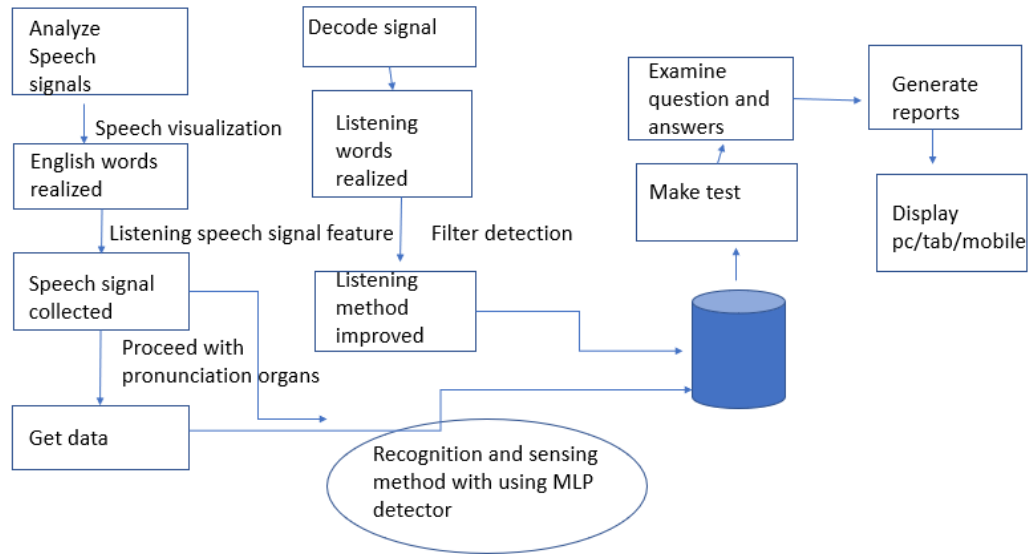


figure 3.2: High level diagram (overall)

Testing

In testing phase, the English school mate will be given to children grade between (6-9) who are willing to learn english. After completing this activitis, a report will be given to check answers whether they have gained highest scores.

I expects to enhance the attention ,brain improvement ,knowledge, thinking ability and good habits.

5.Business Values

The commercial value of the proposed solution is increased through below mentioned information

- The solutions that are already exists have some relatively similar features of the proposed solution.
- The great support provided to the students who are willing to study and their parents and teachers.

References

- [1] y. fan, "Research on speech vizualisation technology and its application in english listening teaching," in *2018 International Conference on Intelligent Transportation, Big Data & Smart City*, 2018.
- [2] K. suhij1, "A Study on the Effects of Binaural Listening," in *8 International Joint Conference on Information, Media and Engineering (ICIME)*, 2018, 2018.
- [3] K. R. F. Seefa, "A LEARNERS' PERSPECTIVE OF THE CHALLENGES FACED IN A LEARNERS' PERSPECTIVE OF THE CHALLENGES FACED IN POST-CONFLICT SRI LANKA: A CASE STUDY OF THE MADHU ZONE IN MANNAR DISTRICT," in *Department of Languages, South Eastern University of Sri lanka* , 2017.
- [4] O. S. A. V. G. Artyushina, "How To Improve Listening Skills," in «*MATl*»-*Russian State Technological University named after K.E.Tsiolkovsky*,, 2011.

- [5]H. M. Li Nan, "The Analysis of Violation of Cooperative Principle in College English Listening Comprehension Teaching," in *Foreign Language Teaching Office of He Ping Campus Foreign Language Teaching Office of He Ping Campus*.