Enhanced Learning Application For Pre & Primary Children

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Abstract: *In this process, mobile device and service are nowadays improved our learning capacity is highly enhanced. This technology growth and learning methods are very highly improved. At that time, some activities and learning capacity features are lagging to improve our knowledge. Children are most interested to use the mobile device. When due to the rapid growth of technology the teaching and learning system is totally different and also the formal teaching method is changed from mobile device. The teaching method for Tamil language system is lagging to know the children via the mobile device.so, this application is helpful to learn Tamil language. In my proposed system is to create a Tamil language application for pre and primary children to easily understand and improve our learning capacity. When this application is most attractive for children and great effectiveness to developed. It is helped to children safety both parents and teacher can also use and they can easily motivate children to grow our knowledge. The issue of children safety due to using this application some unrelated topics are avoided in this system.*
Keywords*: Android Studio, Android Application, Pre and Primary Children, Tamil Language.*

I.   Introduction

Mobile device and their usage are most developed in recent trends. Children are most interested to learn new things in the mobile device. At that time lagging on the Tamil language to learn. Children are most concentrate and normally to speak other language to the development technology. But the Tamil language is our mother tongue and children are interested to learn new things in anywhere and anytime. This mobile application is totally different to compare with others. It is very effective to developed for pre and primary children to motivated and push up to learn the Tamil language. Some application has been created to identify image variation and size to identify the children. Because of this problem children could not read thoroughly to learn for the Tamil words.

In this application have been created thoroughly to learn Tamil syllabic and also to learn letter pronunciations with a word. It has to be provided easily understand and to learn a combination of words. In this paper focusing on vowels(uyireluttu), consonants(meyyaluttu), combinations (uyirmeyyeluttu). The combination letters are formed by adding a vowel to the consonant. This audio type is easy to learn and to the pronunciation of a word and also children easily to memorize the words. This application has been most concentrated in the Tamil compound letters**.**

II.   Related Work

2.1 Mobile Learning Application For Children, Nur Sauri Yahaya

In this concept, Mobile device and technologies have the potential to rapid growth in recent years. The growth of technology for mobile device usage is available to the majority of people including children also use the mobile device of their life. The mobile device has become a part of children living at the same time development process is especially in the education learning application. It helps to user understand the basic alphabets and spelling. It is motivated to user thoroughly learn the spelling via the mobile device. When this application can be created to ADDIE model to developed. This application can be used by designers and developer's flexible performance.

2.2 Web Based E-Learning System For Pre- School Kids, Olisah Kingsley S
This paper is conduct that can improve both teaching and learning system. This research also discusses the impact of information and communication technology on the learning system in pre-schools. In early days, teaching and learning the concept in during more formal and conducted in classrooms, but due to the high growth in technology totally the way of learning method is changed. In this application has been sophisticated to changed learning and teaching level growth at higher technology-based education. This application has been created to a web-based system to develop numbers, alphabets and logical thinking for preschool children.

2.3 A Conceptual Design Of Mobile Learning Application For Preschool Children, Radoslava Kraleva
In this concept, focusing on using mobile learning application for Bulgarian preschool children. Mobile device is most integral part of people in our daily life. The use of mobile technologies children is most interested to learn and easy to understand. The implementation of this application is not only for children it has been also accessed teachers and parents. It is created by children can face daily task and also related prize for some ratings. The children safety using this application some protection of data. This is created to basic objectives for assessment of their attitude. The children can use any computing device that connection provided to World Wide Web. It is to created young children learning, textbooks and teachers.

2.4 An M-Learning Tool for Pre-School Kids, Mustafa Tarim
In this work, importance to young children especially pre-school children. It is developed to novel M-Learning process tool. This tool also gives for a chance for parents and also children to learn fun they are learning new things. When wireless devices are most individualized and communication tool for everyone. They give exclusive for flexible to use this application. E-Learning is an education method with to learn through the internet, network or computers. It is also involved through web based and computer learning. When the M-Learning is a wireless technology. This application has been developed to children to learn drawing, games and stories.

III. Methodology
The working of kids learning application system is divided into three parts:
3.1 Input part:
The learning application has been provided to concepts of Tamil language details. When the user can choose the vowels, consonants, and alpha syllabic. Each one has been declared at detailed explanation and also played with audio type to speak the letter.

3.2 Processing:
The user to access the Tamil language details vowels (uyireluttu) consonants (meyyaluttu) compounds (uyirmeyyeluttu) and to pick any one option to read the complete details. The explanation for giving these details and also the user to learn words for specified letters can be displayed. When this application should be worked run over their audio method to speak every letter and words. And detailed to explained Alpha syllabic (Compounds) letter and displayed with images for a relevant letter. In every process will be access to default database storage.

3.3 Displaying System:
The application has been displayed to Tamil language letter and words to be display.

Fig. 3.3 Diplaying System

IV. Existing System

In early some application has been developed due to some variation of their method to follow. When I recognized through all the application have been created to some other technology. The application is developed to learn for children basic things like fruits name, numbers and alphabets. But, it is creates on English language. Some modules can be created to colors to identify, stories and drawing for children. The Tamil learning applications are also developed only on basic things to designed. Normally to learn vowels and consonants.

V. Proposed System

This proposed system has been provided to Tamil letters learning for effectively for pre and primary children. It is helped to enhance (or) equipment our knowledge. Also, it has main feature as the Tamil language especially(compounds) added in this application. This application creates children safety to use offline mode for better learning and also teacher can access this application to teach our children. It was created to easily understand and learn thoroughly in compound letters and children easy to learn.
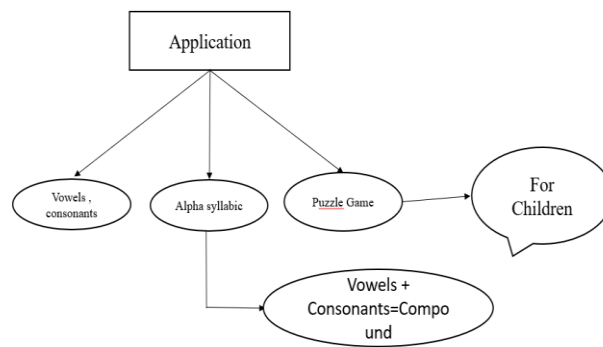
VI. Module Description

Fig. 6 Module Description

VII. Result and Discussion

The user can select the any one option given below the Fig 7.1. The application has been displaying the detail. If user can select Vowels(uyirlettu) application has been displayed the details given below the Fig.7.2
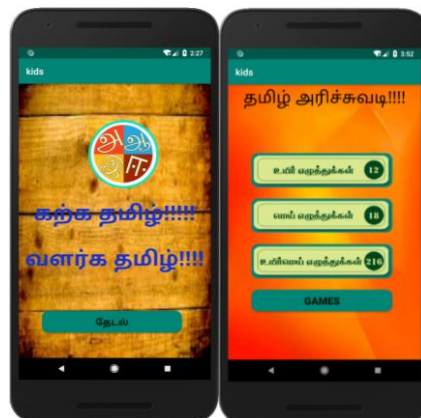

Fig. 7.1 Main Screen of Application

Vowels Module - In Fig. 7.2 user to learn details about the letter pronunciation and their related words on audio types. In each 12 letters can be explained and related words are displayed to audio type.

Fig. 7.2 Vowels(uyiryeluttu)module of application

Consonants-In Fig. 7.3 if user can choose this module 18 letters and words are displayed.

Fig. 7.3 Consonants(meiyeluttu)module of application

Compounds-In Fig.7.4 if user can select consonants(meiyeluttu). This module main concept in this application. If the compounds word produced to vowels and consonants combination it's to produced. Each letter has been let us audio type.

Fig. 7.4 Compounds (Uyirmeiyeluttu)module of application

Game- This module user to check the color. If user can click the any one color that name will be announced by voice.

Fig. 7.5 Game Module (Colors identify) module of application.

VIII.   Conclusion

Mobile device and their technology growth are highly developed. Children are most interested to use the mobile device. In this application have been created to children can be interested to learn the Tamil language and letters pronunciations. The learning application system used for pre and primary children, teachers, and parents. It is easy to understand and motivated children to learn the Tamil language.

IX.   Future scope

In this mobile application has been avoided some unwanted online resources. Because this is an offline application. The children can most interest to use mobile device. So, we are discussed to set timing system for using this application and some additional gaming concepts are added. When children can use the application and read some hours.

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