Audiobook using Python

1. Introduction

1.1 Overview

1.2 Purpose

2. Literature Survey

2.1 Existing Problem

2.2 Proposed Solution

3. Theoretical Analysis

3.1 Block Diagram

3.2 Hardware/Software Requirement

4. Result

5. Advantages and Disadvantages

6. Application

7. Conclusion

1 Introduction:

1.1 Overview

Integrating novel technologies and their new capacities to increase educational productivity by considering

individual differences in distance education are very essential phenomena in effective learning. To approach

educational problems sensibly, contemporary education uses and integrates new technologies into distance

education in many developed or developing countries. Also, it provides diverse opportunities to people from

different environments, different ages, all income rates and/or all vocational groups. Therefore, these people can

obtain an equal opportunity without losing their productivity and arrange their own pace and capacity for

education as well as benefit from communication technology.

1.2 Purpose

E-audio-books are course materials, which facilitate blind students to study without other people’s help. The aim

of this study is to provide blind students in the Open Education System of Anadolu University. E-audio-books

make blind students learn on their own in effective, productive and equal learning environments.

Creating e- audio-books is not only practical but also easily accessible and inexpensive as well as duplicable in

different environments such as cassette, CD ROM, the Internet. This is another goal for us to help the blinds and

also all students benefit from this.

2 Literature Survey

2.1 Existing Problem

Google Voice Assistant

* Initial cost could outweigh savings. While it's possible to make both time and cash savings using these virtual assistant devices, they don't always come cheap.
* Security could be an issue.
* Voice recognition isn't perfect.
* A microphone in your home.

2.2 Proposed Problem

We have proposed problem on this project is that, read the pdf or any other document by using PyPDF3 package in Python and pyttsx3 in Python

In Google assistant can’t read as file, we implemented a project on file read operation and then speak the content of the file into speech by pyttsx3.

We are overcome the disadvantage of the google by file reading then convert into as speech.

Source Code:

import PyPDF2

import pyttsx3

pdfReader = PyPDF2.PdfFileReader(open('file.pdf', 'rb'))

speaker = pyttsx3.init()

for page\_num in range(pdfReader.numPages):

    text = pdfReader.getPage(page\_num).extractText()

    speaker.say(text)

    speaker.runAndWait()

speaker.stop()

speaker.save\_to\_file(text,'audio.mp3')

speaker.runAndWait()

3. Theoretical Analysis:

Block Diagram

4. Result

Audio file will be attached in the project file

5. Advantages and Disadvantages

ADVANTAGES:

* Portable. You can listen to an audiobook anywhere using your smartphone. ...
* Enjoy having a book read to you. Audiobooks have fantastic, expressive narrators!
* Fit more reading into your schedule. ...
* Multitask.
* In the dark.
* Learn a new language.
* If holding a book is uncomfortable, listen to an audiobook.

Disadvantages:

* You'll miss the illustrations & graphics.
* You may get the wrong tone for the narrators' voice.
* Lack of imagination, as you won't take a break to think about on continuous reading.
* Last but not least the smell of old or new papers of the books!

6. Application

Best audiobook apps in Google Play Store

1. Google Play Books. Google brought audiobooks to Play Store in January 2018.
2. Audible. If you have tried audiobooks and realized they are your thing, you should try Audible.
3. LibriVox.
4. Libby.
5. Audio Books.
6. Oodles.
7. Kobo.
8. Kindle for Android.

7.Conclusion

How can E- Audio-Book Material be used?

E-audio-books are instruction materials that blind students can use in every situation and every time without

being tied to any place or without other people’s help. E-audio-books produced for blind students can create an

environment to provide, enrich, inform, guide and teach subjects completely by creating an environment to learn

and also develop independent learning skill to solve problems and answer question as well as discuss on different

course related topics. Then we have implemented a file content to speech will help the eye challenger people to learn and listen to this speech audio.