

PDF to Audio Converter with Language Translator

ABSTRACT

This Project has introduced an efficient and real time cost beneficial technique that enables the user to hear the contents of text images instead of writing them. The PDF to Text Converter and Translator developed using Python can instantly and accurately convert any PDF text into audio.

Along with reading any PDF document out loud, this application can also translate and vocalize any text into up to five languages.

Nowadays, Reading mostly demands our complete undivided attention making it nearly impossible for us to multitask. Moreover, staring at a screen for long periods also strains our eyes. Moreover, this system can also benefit visually impaired individuals and people with learning disabilities such as dyslexia.

This project has a user page that first lets you sign up and thereafter one can log in and one has to send in a pdf file containing text.

- The text is read by a function and it is converted to byte form.
- The text is then extracted using other function.
- The library Google trans is used to convert the text written in a particular language into the audio form of a particular language. We have at least 5 languages as options such as English, Hindi, and Malayalam etc.
- Using the function 'gTTS' we can hear the audio.

The advantages of this project are implicated as it is very efficient and saves time which also helps people from different regions to understand the document in their own language. The main objective of this project is to provide a solution to overcome the barrier of languages by implementing text to speech conversion.