

EdTech Platform For Visually Blind or Impact Students

Aim:

This project is especially for blind and underage students who need glasses to see. This project gives you audio and text feature. Users just add pdf book, notes, images and this project gives you audio and text book for anyone. In any regional language.

Approch:

First up, to convert text into audio and simplify translations, libraries like PyPDF2 to extract text from PDFs and **Googlettrans** for translation. Then, use **gTTS (Google Text-to-Speech)** to convert the **translated** text into **audio**. Here we offer **110+ global language** conversions. Here we add **image feature** also so that Fixed Text can also extracted **using OCR**.

Technology Stack:

HTML, CSS, JavaScript, **Reactjs**, **Python**, **Restful APIs**, **Blockchain**, **Django**

Benifits:

1. **Underage Students:** Even <10yrs old holding there spectacles for reading files. We provide audio here
2. **Blind Students:** on anywhere hovering provide voice assistant. Contrast editing auto Increase decrease font size auto color adjustment.
3. **Scalability:** Here these project relies in any country because here we implemented almost all global languages.

NOTE: if we check ratio then all students are not 100% blind