

TOPIC :

Extraction of text from image and text to speech conversion.

DESCRIPTION :

The main idea of this project is to recognize the text character and convert it into speech signal. The text contained in the page is first pre-processed. The pre-processing module prepares the text for recognition. Then the text is segmented to separate the character from each other. Segmentation is followed by extraction of letters and resizing them and stores them in the text file. These processes are done with the help of MATLAB. This text is then converted into speech and reads it aloud to the user.

APPLICATIONS :

Disability of visual text reading has a huge impact on the quality of life for visually disabled people. This system will automatically locate and read the text for visually impaired persons.