

# Text Reader for Visually Impaired Person using Image Processing/Open-CV

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**Abstract:** The main issue that visually impaired individuals confront these days is that they are unable to do text recognition on their own, forcing them to rely on others for day-to-day tasks such as reading newspapers, writing letters, referring to books, and so on. This issue may erode their confidence because they are unable to cope on their own. The project's ultimate goal is to assist visually challenged persons with text recognition. This goal is accomplished by creating a module that converts text into speech and speaks it through the provided headphone/speaker. The code is written in Python after importing pytesseract and gTTS. For character recognition, this project employs the concept of image processing and the OCR approach.

**Keywords:** Image Processing, OCR, Tesseract, LSTM, gTTS

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