

Smart Communicator for Dumb People

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Abstract: *This project presents the Smart Communicator for Dumb People. The project is developed on Raspberry Pi module3. It uses the Optical character recognition technology for the identification of the printed characters using image sensing devices and computer programming. It converts images of typed, handwritten, or printed text into machine encoded text. In this research these images are converted into the audio output (Speech) through the use of Text-to- speech synthesis. The conversion of printed document into text files is done using Raspberry Pi which again uses Python programming. The text files are processed by Open CV library & python programming language and audio output is achieved.*

Keywords: Image Capturing, Raspberry-Pi, OCR Process, Text to Speech Converter, Open CV Library, etc.

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