Text to Speech Conversion using Raspberry PI

S. Sreenivasulu [1], P. Satya Priyanka [2], P. Jaahnavi[3], S. Harshini[4]

Asst. Professor, G. Narayanamma Institute of Technology and Science, Hyderabad[1]

Student, Electronics and Communication Engineering

G. Narayanamma Institute of Technology and Science, Hyderabad[2], [3],[4]

Abstract: *In present situation, communication plays a vital part in the world. Transferring on information, to the correct person, and in the proper manner is veritably important on a particular and professional position. The world is moving towards digitization, so are the means of communication are Phone calls, emails, textbook dispatches etc. have come a major part of communication vehicle in this digital world. In order to serve the purpose of effective communication between two parties without any detention, numerous operations have come to actuality, which acts as a middleman and help in effectively carrying dispatches in from textbook to the speech signals over long hauls of networks. The main purpose of this design is to overcome the problems facing by the eyeless people and illiterates. Because the eyeless people and illiterates can be fluently manipulated, this leads to abuse. To overcome this problem we're proposing a device which helps in conversion of hard dupe of textbook which is fitted into the device will be converted to speech. utmost of these operations find the use of functions similar as articulators, conversion from textbook to synthetic speech signals, language restatement amongst colorful others. In this design, we'll be executing different ways and algorithms that are applied to achieve the conception of Text to Speech(TTS).*

Keywords: Tesseract, Text to speech (TTS), Optimal Character Recognition(OCR), Raspberrry Pi.

REFERENCES

[1]. J.Liang,D.DeMenthon,andD.Doermann,"Geometricrectificationof camera-captured document images," IEEE Trans. Pattern Anal. Mach. Intell., vol. 30, no. 4, pp. 591–605, 2008.

[2]. J. Banerjee, A. M. Namboodiri, and C. V. Jawahar, "Contextual restoration of severely degraded document images," in Proc. IEEE Conf. Comput. Vis. Pattern Recognit., 2009, pp. 517–524

[3]. S. Lu and C. L. Tan, "Retrieval of machine-printed Latin documents through Word Shape Coding," Pattern Recognit., vol. 41, no. 5, pp. 1799–1809, May 2008.

Copyright to IJARSCT
www.ijarsct.co.in

DOI: 10.48175/IJARSCT-10059

395

ISSN
2581-9429
IJARSCT