RV College of Engineering
Autonomous Institution Affiliated to VTU,Belagav
Approved by AICTE New Delhi, Accredited by NAAC, Bengaluru And NBA, New Delhi
Master Of Computer Applications (MCA)

ABSTRACT

TITLE: VersaConvert

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DESCRIPTION:

This is a Python project that allows users to convert different types of data such as images, text, and voices between each other. It includes four main features: image-to-text, image-to-voice, voice-to-text, and text-to-voice

The image-to-text feature allows users to input an image and receive the text content of the image as output. The image-to-voice feature converts an image to a voice output that can be played as an audio file. The voice-to-text feature takes an audio file as input and converts the speech content into text. Finally, the text-to-voice feature allows users to input text and receive an audio output of the text in a selected voice.

Libraries/Technology used: The project is implemented using various Python libraries such as OpenCV, pytesseract,API Ninjas and gTTS. These libraries provide the necessary functionalities for image processing, optical character recognition, and text-to-speech conversion. These functions implemented using these libraries are formed together as a Web Application interface for Users to interact with.

Conclusion: Overall, this project can be useful for a wide range of applications such as creating audio descriptions for images, converting speech to text, and generating audio output for textual content.