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Synopsis

On

HANDWRITTEN DOCUMENT TO TEXT ANDROID APPLICATION

Mini Project

For

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Introduction

As we read the words, our eyes and brain continuously carry out optical character recognition in such a way that we are not able to recognize it. Our eyes are recognizing the luminous pattern of printed character and our brain is using this to figure out what we are trying to say. Apart from humans , nowadays even the computer are capable of performing this task using the technique called OCR. OCR helps in bringing the text available in analog format into a digital form.Nowadays many organizations are depending on OCR systems to eliminate the human interactions for better performance and efficiency.

The objective of the paper is to utilize this feature of the computer through an android app. This visual capability is brought out using a android mobile phone working on Tesseract OCR engine. The android app provides the user to recognize the text from either an image stored in the gallery , image taken with a camera, from a stored document in mobile or allows to store a name of the locations from the map application available in mobiles. This app can be used for automatic number plate recognition, extracting business card information into the contact list, Automatic insurance documents key information extraction, the converted text can then be fed to the text to speech application and can be used as a assertive technology for visually impaired users

Applications

- Through this application user can easily and quickly convert handwritten text image to text with the help of the features provided in the application.
- Nowadays, there is an enormous demand in storing any information available on papers, such as books or newspapers in mobile phones
- Today many traditional industrial firms are moving towards utilizing information technology including mobile applications
- Scanned documents are great. They let us archive stacks of paper into folder, taking up far less space and being infinitely easier to organize, move, and copy. What's not so great is finding content stored away inside one of our hundreds of scanned documents.
- The technology provides a complete form processing and documents capture solution..

Hardware and Software to be used

Hardware to be used

1. Microsoft® Windows® 7/8/10 (64-bit).

2. 4 GB RAM minimum, 8 GB RAM recommended.

3. 2 GB of available disk space minimum, 4 GB Recommended (500 MB for IDE + 1.5 GB for Android SDK and emulator system image).

4. 1280 x 800 minimum screen resolution.

5. Minimum i3 processor.

6. Smart Phone.

Software to be used

1. Java as an object oriented programming language.
2. Android SDK(Software development Kit).
3. Android studio

Scope of the Project

- This application is accessible on any system and any platform. This application can be used to get the handwritten document to text.
- This application can be used to change the text document to text from one file type to another in simple way so that users or programmers can use one image in any format according to compatibility and accessibility in the applications

CONCLUSION

- Handwritten document to text application is good resource for converting the text image to text. People can easily convert their pictures to text by their smartphones.
- There is important role of text image to text we can store that text in small space in our mobile phone we don’t need to carry the physical document.

References

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