Abstract

The main target of the project was to build an Android application that can extract text from any image that contains Bengali characters and convert it into an editable document. There were a few limitations in existing systems which could be improved further. To recognize more characters and joint letters, it was decided to work on decreasing the rate of error to preserve more texts. Tesseract (v3.03) was used to recognize the characters which utilizes Leptonica Image Processing library to process image and extracting data from the image. Joint letters, dangerous ambiguity and contrast issues were handled to increase efficiency. A record of the analyzed data and overall progress were kept for future scopes of improvement.

References

Bangla Character Recognition for Android Devices

Development of Bangla OCR. International Journal of Computer Applications, 21(9).


Index Terms

Computer Science Pattern Recognition
Keywords

Optical Character Recognition (OCR), Bangla language, Android, Tesseract, Leptonica.