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OCR on English Handwritten Text

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Abstract: Image Processing is a vital tool when one is dealing with several images and wishes to perform several complex actions on the same. With advances in technologies, one can now compress, manipulate, extract required information etc. One such application of Image Processing is detecting handwritten text and converting it into a digital text format. The main objective is to bridge the gap between the actual paper and the digital world and in doing so, one can operate on the digital data much faster as compared to the actual data. The detection of handwritten text via optical Character Recognition.

Keywords: Image Processing, Handwritten text, Optical Character recognition

REFERENCES

- [1]. Bappaditya Chakraborty, Bikash Shaw, Jyanta Aich, Ujjwal Bhattacharya and Swapan Kumar Parui "Does Deeper Network Lead to Better Accuracy: A Case Study on Handwritten Devanagiri characters" 2018 13th IAPR International Workshop on Document Analysis Systems. 2018 IEEE.
- [2]. Mori S, Suen CY, Yamamoto K. "Historical review of OCR research and development " Proceedings of the IEEE 1992 Jul;80 (7):1029-58
- [3]. Ye Q, Doermann D. Text detection and recognition in imagery: A survey. IEEE transactions on pattern analysis and machine intelligence. 2015 Jul 1;37(7):1480-500.
- [4]. Pradeep J, Srinivasan E, Himavathi S. Diagonal based feature extraction for handwritten character recognition system using neural network. InElectronics Computer Technology (ICECT), 2011 3rd International Conference on 2011 Apr 8 (Vol. 4, pp. 364-368). IEEE