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SURVEY PAPER OF SCRIPT IDENTIFICATION OF TELUGU LANGUAGE USING OCR

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ABSTRACT

This study provides a summary of the ongoing research and the development process of the optical character recognition (OCR) systems for Devanagari text. A file may contain words in more than a language in a multilingual country like India. Multilingual Optical Character Recognition (OCR) system is required for a multilingual environment to read the multilingual documents. The objective of OCR is an automatic reading of the optically sensed document to interpret human-readable fonts into machine-readable code. Reading of Devanagari script is still a challenging task as various approaches are available for Chinese, English, and Japanese for script acknowledgement to get 100 percent accuracy. A survey has been done on Telugu OCR System. Recognition involves character segmentation into the elements of the component and recognizing them. A heuristic method has been selected as the best classifier for the current work based on the identification precisions of multiple classifiers. In this article, a heuristic approach is developed for separation, feature extraction and recognition of Devanagari script. The subsequent portion of this paper would explain the development that has been made in OCR System application for Devanagari Script reorganization and for the future work's scope in Devanagari OCR systems.

KEYWORDS: *Handwriting Recognition, Optical Character Recognition(OCR), Character Recognition, Multi-Script Documents, Script Identification*

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