VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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PROJECT REPORT
ON
"KANNADA BRAILLE IMPLEMENTATION USING OCR"

Submitted in partial fulfillment of the requirements for the degree of

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ABSTRACT

The Braille system is a method that is widely used by blind people to read and write. Braille generally consists of cells of raised dots arranged in a grid. The presence or absence of dots can be sensed by the blind people's fingertips to give them the coding for the symbol.

According to previous work a recognition system for handwritten and printed Kannada numerals and vowels is proposed based on zone features. The Kannada numerals and vowels are circular in nature; therefore the pixel density feature is potential features for handwritten and printed Kannada numerals and vowels. The pre-processed image is divided into 64 zones. The pixel density is computed between each zone which is tougher task.