Optical Character Recognition

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Abstract - Literature reported that Optical Character Recognition (OCR) is one of the application in the field of computer science . The imperative research areas of OCR are pattern recognition and artificial intelligence . Numerous OCR techniques are in existence for foreign languages . Recently OCR was developed for indian languages such as Tamil, Telugu, Hindi and more. In this paper I have presented an optical character recognition system for the Indian language Malayalam where in I have used the Radial Basis Function (RBF) neural network for training and testing the character set . This methodology promises to present simple and efficient platform to construct a full OCR system extended with suitable pre-processing . The tolerance of the system is evident as it overwhelm the complexities out of font variations and the system proves to be flexible and robust on the whole .