



# **Character Recognition using Back Propagation Neural Network**

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***Abstract*** - In this paper we present a novel approach for hand written character recognition using image processing and feed forward neural network using gradient decent back propagation algorithm. Input to the system is in jpeg format picture which is then processed using different methods to extract feature of selected input. Extracted features are then applied to a neural network recognizer to produce recognized output.

***Keywords*** - Image processing, neural network, back propagation algorithm, jpeg format.