A MAJOR PROJECT
ON
Handwritten Character Recognition with Neural Network

ABSTRACT

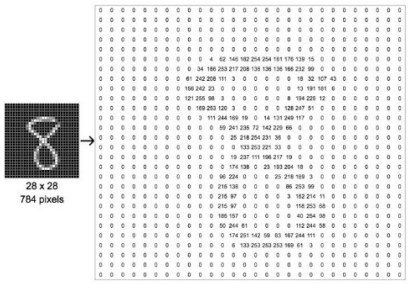
A human learns to perform a task by practicing and repeating it again and again so that it memorizes how to perform the tasks.

Then the neurons in his brain automatically trigger and they can quickly perform the task they have learned. Deep learning is also very similar to this. It uses different types of neural network architectures for different types of problems. For example – object recognition, image and sound classification, object detection, image segmentation, etc.

The handwritten character recognition is the ability of computers to recognize human handwritten character . It is a hard task for the machine because handwritten character are not perfect and can be made with many different flavors.

The handwritten character recognition is the solution to this problem which uses the image of a character and recognizes the character present in the image.

In this machine learning project, we will recognize handwritten characters, i.e, English alphabets from A-Z. This we are going to achieve by modeling a neural network that will have to be trained over a dataset containing images of alphabets.



Submitted by:

Batch No:B6

Name	ID.NO
N. Satish	180040132
Talasila Venkata Teja	180040135
Toviti Narendra Kumar	180040153