**Project Synopsis – UE20CS302**

Title: Live Handwritten Number recognition

Abstract:

* Handwritten digit recognition is the ability of a computer

to recognize the human handwritten digits from different

sources like images, papers, touch screens, etc, and classify

them into 10 predefined classes (0-9).

* Digit recognition has many applications like number plate

recognition, postal mail sorting, bank check processing, etc.

* For this project we’ll be using the MNIST handwritten dataset to train a CNN (Convolutional Neural Network model, plot the results
* The CNN model can be used for live detection of handwritten digits using OpenCV, allowing the user to draw on the screen and recognition of digits occurs in real-time.

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