PROBLEM STATEMENT-PNT2022TMID13636

R.NIKALYA - (621319205027)

The Handwritten digits are not always of the same size, width, orientation and justified to margins as they differ from writing of person to person.

The similarity between digits such as 1 and 7, 5 and 6, 3 and 8, 2 and 7 etc. So, classifying between these numbers is also a major problem for computers.

The uniqueness and variety in the handwriting of different individuals also influence the formation and appearance of the digits.

It is easy for the human to perform a task accurately by practicing it repeatedly and memorizing it for the next time. Human brain can process and analyses images easily.

Machines do not have the ability to understand what has been written on those physical papers.

Converting handwritten characters to digital characters has been a tough problem in the past and continues.

Handwriting recognition has been the main subject of research for almost the last forty years.

Machine-learning techniques, particularly when applied to Neural Networks like CNN or ANN, have played an increasingly important role in the design of these recognition systems.

The goal of our work is to create a model that will be able to recognize and classify the handwritten digits from images by using concepts of Convolution Neural Network.