

Project Objectives:

- The project aims to implement the concept of Convolution Neural Network which is one of the important architecture of deep learning.
- Understanding CNN and applying it to the handwritten recognition system, is the major target of the proposed system.
- Handwriting Recognition has an active community of academics studying it.
- Classification of images and patterns has been one of the major implementation of Machine Learning and Artificial Intelligence.
- CNN- convolution neural networks and with Deep Learning algorithm like multilayer CNN using Keras with Theano and Tensor flow.
- Convolution Neural networks with back propagation for image processing. The applications where these handwritten digit recognition can be used are Banking sector where it can be used to maintain the security pin numbers.