

Literature Survey

S No	Title of the paper	Authors and year of publication	Journal Name	Inference
1.	A Novel Technique for Handwritten Digit Classification Using Genetic Clustering	S.Impedov o,F.M Mangini	IEEE Xplore	This paper discusses handwritten digit recognition based on genetic clustering in order to improve off-line handwritten digit classification with k-NN classifier.
2.	Handwritten digit recognition system for South Indian languages using artificial neural networks	Leo Pauly, Rahul D Raj, Binu Paul	IEEE Xplore	This paper segments the handwritten digits in the images into individual images of isolated digits. Histograms of Oriented Gradients features are then extracted from these images and applied to the ANN for recognition. Overall accuracy of the model used is 83.4%.
3.	Comparative Study on Handwritten Digit Recognition Classifier Using CNN and Machine Learning Algorithms	Tanuja Kumari, Yarthath Vardhan, Yash Gandhi, Prashant Giridhar Shambhar kar,	IEEE Xplore	This paper trains and tests the same dataset using different algorithms to see the best algorithm. It concluded that CNN was the best of CNN, K-Nearest Neighbor, and Support Vector Machine with 99.59% accuracy.
4.	An Enhanced Handwritten Digit Recognition Using Convolutional Neural Network	Malathy. S, C N Vanitha, Nirdhum Narayan, Rajesh Kumar, Gokul. R	IEEE Xplore	This paper proposed a model that gives output in both audio and text form. For this purpose, only the proposed work is approached with CNN to recognize the image in the proper manner.