Literature Survey

S. No	Title	Year of Publication	Authors	Published on	Theme of Paper	Advantages & Limitations
1.	Exploration of CNN Features for Online Handwriting Recognition.	2020	Subhasis Mandal, S.R. Mahadeva Prasanna and Suresh Sundaram	IEEE	A CNN architecture capable of processing online handwriting without having to convert it to an image.	The proposed CNN characteristics are shown to be effective in character and large. But, if two words are too near, it is recognized as one word.
2.	An Neural Network based Handwritten Character Recognition system.	2020	S. Mori, C. Y. Suen and Kamamoto	IEEE	It is a type of handwriting recognition that consists of various stages like preprocessing, classification and post processing stages.	This paper presents a novel neural network based offline character recognition system. But, this does not include feature extraction.
3.	Handwritten Digit Recognition Using KNearest Neighbor Classifier.	2021	Babu, Venkatesh and Chintha	IEEE	To discover minimum distances, a Euclidean minimum distance criterion is utilized, and the digits are classified using a KNN classifier.	The recognition method has an average accuracy of 96.94 percent. But, The time it takes to classify or estimate something is slow, especially when the training set is huge.

4.	Optical Character Recognition using KNN on Custom Image Dataset.	2021	Hazra, T. K., Singh, D. P., & Daga, N.	IEEE	It works well with multimodal classes due to the fact that its conclusion is based on a small neighborhood of comparable targets.	Regardless of whether the target class is multimodal, the technique can lead to high precision in any instance. But, the computation cost is rather large.
5.	Handwriting Text Recognition Based on Faster R-CNN.	2020	J. Pradeep	IEEE	Region Proposal Networks (RPN) are a novel network structure that are used for HCR.	This system mainly focuses on maintaining accuracy and also text recognition speed is also increased. But, if two words are too near, it is recognized as one word.