LITERATURE SURVEY ON A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

SNo	Name	Author Name	Year	Finding
1	Handwritten Digit Recognization Using Convolutional Neural Network	Tarun Dubey , Shubham Patil, Anurag Singh	2022	Comparison of the execution time of the algorithms, increasing the number of epochs without changing the configuration of the algorithm.
2	Handwritten Digit Recognition Using Deep Learning	Surya S, Vismitha N	2021	The proposed system involves constructing the convolutional neural network with appropriate filters that help recognize right features and identify what patterns map to which character.
3	Handwritten digit recognition system using Machine learning	Apaar Chadha, Gaurav Yadav, Keshav Ahlawat	2022	Accuracy of these traditional CNNs can be improved even more by removing the ensemble features and fine tuning the hyper parameters of the pure CNN architecture. This will also reduce the computational complexities and overall cost of implementing the model.
4	Handwritten Digit Recognition using Machine and Deep Learning Algorithms	Ritik Dixit, Rishika Kushwah, Samay Pashine	2021	The handwritten digit recognition is performed using Support Vector Machines (SVM), Multi-Layer Perceptron (MLP) and Convolution Neural Network (CNN) models.
5	HandWritten Digit Recognition	Jyoti Shinde, Chaitali Rajput, Prof. Mr Mrunal Shidore, Prof. Milind Rane	2019	Neural network approach is used where in the machine will learn on itself by gaining experiences and the accuracy will increase based upon the experience it gains. The dataset was trained using feed forward neural network algorithm.
6	Improved Handwritten Digit Recognition Using Convolutional	Savita Ahlawat , Amit Choudhary ,	2020	A CNN architecture is proposed in order to achieve accuracy even better than that of ensemble architectures, along with reduced operational

	Neural Networks (CNN)	Anand Nayyar , Saurabh Singh and Byungun Yoon		complexity and cost.
7	A Survey on using Neural Network based Algorithms for Hand Written Digit Recognition	Muhammad Ramzan, Shahid Mehmood Awan,Hikmat Ullah Khan, Waseem Akhtar, Ammara Zamir, Mahwish Ilyas	2019	This review is novel as it is focused on HWDR and also it only discusses the application of Neural Network (NN) and its modified algorithms..It presents a Scientometric analysis of HWDR which presents top journals and sources of research content in this research domain.
8	Handwritten Digit Recognition Using Various Machine Learning Algorithms and Models	Pranit Patil, Bhupinder Kaur	2020	Illustration of various Machine learning algorithms such as Support Vector Machine, Convolutional Neural Network, Quantum Computing, K-Nearest Neighbor Algorithm, Deep Learning used in Recognition technique.
9	Handwritten Digit Recognition using Machine Learning Algorithms	S M Shamim, Mohammad Badrul Alam Miah, Angona Sarker, Masud Rana & Abdullah Al Jobair	2019	An approach to off-line handwritten digit recognition based on different machine learning techniques namely, Multilayer Perceptron, Support Vector Machine, Naïve Bayes, Bayes Net, Random Forest, J48 and Random Tree have been used for the recognition of digits.
10	Comparison Study of Handwritten Digit Recognition using Artificial Neural Network and Convolutional Neural Network	Sonia Flora, Anju Kakkad	2019	Comparing the classification accuracy of handwritten digit using artificial neural network and using state of the art deep learning model i.e. convolutional neural network