IDEATION PHASE

BRAINSTORM & IDEA PRIORITIZATION TAMPLATE

Date	September 19 2022
Team Id	PNT2022TMID08467
Project Name	Novel hand written digit recognition system
Maximum Marks	4 marks

What is handwritten digit recognition?

INTRODUCTION. Handwritten digit recognition is the ability of a computer to recognize the human handwritten digits from different sources like images, papers, touch screens, etc, and classify them into 10 predefined classes.(0-9)

How do you do a handwritten digit recognition?

Image result for hand written digit recognition using machine learning

Below are the steps to implement the handwritten digit recognition project:

Import the libraries and load the dataset. First, we are going to import all the modules that we are going to need for training our model. ...

Preprocess the data. ...

Create the model. ...

Train the model. ...

Evaluate the model. ...

Create GUI to predict digits.

Which machine learning technique is suitable for identify handwritten characters?

There are many algorithms to recognize the handwriting. There is a technique called OCR (Optical Character Recognition) which is used to recognize the handwritten and paper documents .Create GUI to predict digits.

What is handwritten digit recognition?

Introduction: Handwritten digit recognition using MNIST dataset is a major project made with the help of Neural Network. It basically detects the scanned images of handwritten digits.

Brainstrome& **Idea prioritization**	**Team gathering- Leela pavan - code writer.** **Guru prasad-data collector.** **Vamsi Priya -planning coordinator.** **Narendra-report writer**	**Problem statement:-** Recognition of handwritten digits and convert them into printed letters. **Solving technique:-** By using cnn we can train the model and predict the handwritten digits and store in e-document.
	Goal *To recognize novel hand written digit recognition using artificial intelligence and CNN algorithm for image training and testing.	

my idea using---- the SVM classifier performed the best. That is why you will often see it used in image recognition problems as well!(more accuracy)