

Project Flow

Team ID : PNT2022TMID05327

Project Name : A novel method for handwritten digit recognition.

Project Flow:

- The user interacts with UI (User Interface) to upload the image as input.
- The uploaded image is analyzed by the model which is integrated.
- Once the model analyses the uploaded image, the prediction is showcased on the UI.

To accomplish this, we have to complete all the activities and tasks listed below

- Understanding the data.
 - Importing the required libraries ◦ Loading the data ◦ Analyzing the data ◦ Reshaping the data.
 - Applying One Hot Encoding
- Model Building ◦ Creating the model and adding the input, hidden and output layers to it ◦ Compiling the model ◦ Training the model ◦ Predicting the result
 - Testing the model by taking image inputs
 - Saving the model
- Application Building ◦ Create an HTML file ◦ Build Python Cod