

# Project Flow

Team ID : PNT2022TMID01439

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