

# PROJECT FLOW

**Team ID : PNT2022TMID00805**

**Project Name: A Novel Method for Handwritten Digit Recognition System**

## **PROJECT FLOW:**

- The user interacts with the 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 code