

TEAM ID: PNT2022TMID20923

**PROJECT TITLE: A NOVEL METHOD FOR HANDWRITTEN
DIGIT RECOGNITION SYSTEM**

Project Flow:

- The user can upload the image as input
- By using Artificial Neural Network based Handwritten Text Recognition model
- The uploaded image is analysed by the model which is integrated
- Once the model analyses the uploaded image, the prediction is showcased the UI

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

Understanding the data.

- Importing the required libraries used in python
- Loading the required data
- Analysing the uploaded data
- Reshaping the uploaded 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 for front end
- Build Python Code

