

# **Project Flow**

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**Project Name- 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 (HTR) model
- The uploaded image is analysed 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 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