

# 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 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 used in python

Loading the required data

Analyzing 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