# Project Flow

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| 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 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
- Loading the data
- Analysing the data
- Reshaping the data.
- Applying One Hot Encoding
- Model Building

### 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