

# Project Flow

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Project Name: A novel method for handwritten digit recognition
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## Project Flow:

- The user interacts with 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
- Analysing the data
- Reshaping the data
- Apply one hot encoding

### Model Building

- Creating the model and adding the input, hidden and output layers
- 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