

## Ideation Phase

### Define the Problem Statements

Date	30 October 2022
Team ID	PNT2022TMID12390
Project Name	A Novel Method for Handwritten Digital Recognition System
Maximum Marks	2 Marks

#### Problem Statement:

The handwritten digit recognition is the capability of computer applications to recognize the human handwritten digits. It is a hard task for the machine because handwritten digits are not perfect and can be made with many different shapes and sizes. The handwritten digit recognition system is a way to tackle this problem which uses the image of a digit and recognizes the digit present in the image. It is the capability of the computer to identify and understand handwritten digits or characters automatically. The progress in the field of science and technology, everything is being digitalized to reduce human effort. MNIST data set is widely used for this recognition process and it has 70000 handwritten digits. Web application is created where the user can upload an image of a handwritten digit. This image is analysed by the model and the detected result is returned on to UI.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a user	recognize different handwriting	it takes long time	all types of handwriting cannot be recognized	frustrated