

## Ideation Phase

### Problem Statement

Date	16 October 2022
Team ID	PNT2022TMID08626
Project Name	A Novel method for Handwritten Digit Recognition System
Maximum Marks	2 Marks

#### Customer Problem Statement :

The problem to be solved is to recognize the handwritten digits uploaded by the user as an image and to display the equivalent digits as output. The aim is to make the computer identify and automatically understand various styles of handwritten digits to reduce the human efforts. Identifying the handwritten digits manually in the field of bank cheque processing, postal mail sorting and form data entry tasks are tedious and error prone and hence there is a need for this recognition system to perform these tasks efficiently with improved speed and accuracy. The main goal of this system is to use artificial neural networks to train the user input images and to build a model to detect the digits.

Problem Statement (PS)	I am a	I'm trying to	But	Because	Which makes me feel
PS-1	Bank employee	To identify the handwritten digits on the cheque provided by the customer	I am unable to identify the digits accurately	Everyone has different style of writing	Confused and re-confirming with the customer