

Ideation Phase

Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID35588
Project Name	Project - A Novel Method for Handwritten Digit Recognition System
Maximum Marks	2 Marks

Customer Problem Statement Template:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

Reference: <https://miro.com/templates/customer-problem-statement/>

I am a bank employee	I'm trying to process handwritten cheques	But the task is time-consuming and monotonous	Because the style of handwriting differs from person to person	Which makes me feel that this task can be automated so that the manual workload is reduced
I am postal office employee	I'm trying to group postal packages based on the delivery address(zipcode)	But the task is tedious since it involves examining delivery zip code of each package and manually arranging accordingly	Because there are thousands of packages that need to be delivered every day	Which makes me feel that the task can be automated with a mechanical robot that is embedded with a handwritten digit recognition system
I am a member of the traffic surveillance authority	I'm trying to monitor over-speeding vehicles to maintain safety regulations	But I am unable to execute this task in an efficient and fast manner	Because the existing number plate digit recognition systems are less accurate and perform poorly on low-quality CCTV footage.	Which makes me feel there is a need to develop more accurate digit recognition systems that can perform well even on noisy and low-quality images