Project Design Phase-I
Proposed Solution

Date	26 September 2022
Team ID	PNT2022TMID03914
Project Name	A Novel Method for Handwritten Digit Recognition System
Maximum Marks	2 Marks

Proposed Solution :.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	**Statement-**The capacity of computer programmes to detect human handwritten digits is known as handwritten digit recognition. **Description**: It is a hard task for the machine because handwritten digits are not perfect and can be made with many different shapes and sizes.
2.	Idea / Solution description	1. It is a computer's ability to celebrate the mortal handwritten numbers from many sources, such as photographs, papers, and touch defences. 2. All of those signatures and notes can be converted into electronic words in a text document format, and this data only needs a fraction of the physical storage space of the physical copies.
3.	Novelty / Uniqueness	Instead of recognising every character like OCR, accurately recognise the numbers and uses geometric transformations
4.	Social Impact / Customer Satisfaction	1. Handwritten digit Recognizer is an app that was created using artificial intelligence. 2. It approximates the printed word digitally and uses sophisticated algorithms to recognise characters before producing a digital approximation.
5.	Business Model (Revenue Model)	1.For efficient traffic control, this system can be linked with traffic Model) surveillance cameras to read licence plates. 2.Pin-code details can be easily identified and recognised by integrating with the postal system.
6.	Scalability of the Solution	Being able to distinguish numbers in noisy environments. The maximum number of digits that can be recognised is unrestricted.