Project Design Phase-I
Proposed Solution Template

Date	30 October 2022
Team ID	PNT2022TMID37246
Project Name	A Novel Method for Handwritten Digit Recognition System.
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	**Statement:** The capacity of a system to detect human handwritten digits is known as handwritten digit recognition. **Description:** It is hard task for a machine because handwritten digits are not perfect and can be made with many different shapes and sizes.
2.	Idea / Solution description	It is a system ability to recognize the handwritten digits from many sources such as photographs, papers and so on. All of these signatures and notes can be converted into electronic words in a text and this data only need a fraction of physical space of the physical copies.
3.	Novelty / Uniqueness	Instead of recognizing every character like OCR accurately recognise the numbers and uses geometric transformations.
4.	Social Impact / Customer Satisfaction	Handwritten digit recognizer is a website/app that was created using artificial intelligence. It approximates the printed word digitally and uses sophisticated algorithms to recognise characters before producing a digital approximation.
5.	Business Model (Revenue Model)	For efficient traffic control this system can be linked with traffic model surveillance cameras to read licence plates. 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.