Project Design Phase-I
Proposed Solution Template

Date	26 September 2022
Team ID	PNT2022TMID03792
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:** Handwritten digit recognition is the ability of computer applications to recognise human handwritten numerals. **Description:** It is a challenging work for the computer since handwritten digits are imperfect and can be created in a variety of shapes and sizes.
2.	Idea / Solution description	1.It is a computer's capacity to interpret human handwriting from a variety of materials, including pictures, documents, and touch gestures. 2.All those signatures and annotations can be transformed into text documents that can be stored electronically, using a fraction of the physical space required by the physical copies.
3.	Novelty / Uniqueness	Recognize the numbers accurately and apply geometric modifications rather than recognising every character as in OCR.
4.	Social Impact / Customer Satisfaction	1. Number written by hand Recognizer is an app developed with artificial intelligence. 2. It digitally approximates the written text and using advanced algorithms to recognise letters before generating a digital approximation.
5.	Business Model (Revenue Model)	1.This system may be integrated with traffic Model) surveillance cameras to read licence plates for effective traffic control. 2.By connecting with the postal system, pin-code details may be readily detected and recognised.
6.	Scalability of the Solution	Being able to recognise numbers in loud situations. The maximum number of digits that may be recognised is unlimited.