Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID28204
Project Name	Project - 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)	The goal of this project is to correctly identify handwritten digits. It is a hard task because handwritten digits are not always of the same size, width and orientation as they differ from writing of person to person.
2.	Idea / Solution description	The goal of this project is to correctly identify digits from a dataset of tens of thousands of handwritten digit images and use different machine learning algorithms to learn first-hand what works well and gives the highest accuracy.
3.	Novelty / Uniqueness	Using various algorithms to get more accurate results and also classifying the numbers like unique characters like in greek alphabet to get good results.
4.	Social Impact / Customer Satisfaction	This project can then be used in various places like in postal services, banking services, etc. to make sure the digits are recognized properly in everyday use in various places.
5.	Business Model (Revenue Model)	This can be made into a website or app that can help people in their day to day activities where every needed. This can also be made as a government project in surveillance to easily recognize number plates and to maintain a database along with it for necessary use.
6.	Scalability of the Solution	A lot of features can be implemented in this project using Artificial Intelligence and Machine Learning. Use of different algorithms from neural networks also helps in recognition of digits. These features can be implements and can be accessed from several devices so it is very scalable.