Project Design Phase-1
Proposed SolutionTemplate

Date	19 September 2022
Team ID	PNT2022TMID22701
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)	A Novel Method for Handwritten Digit Recognition System
2.	Idea / Solution description	It is the hard test for the machine for the machine because handwritten digits are not perfect and can be made with many different shaped and sizes. The Convolutional Neural Network algorithm is used.This will prepare the trained model.Thus,we can classify the digits present in the images.
3.	Novelty / Uniqueness	Handwritten papers might include ,among other things,a change in the writer ,character properties,writing attributes,or overall document appearance. Instead of examining each element separately, we believe that an integrated agent capable of processing known characters and novelties. Accurately recognize the digits rather than recognizing all the characters like OCR
4.	Social Impact / Customer Satisfaction	AI converts the written word into digital approximations and utilizes complex algorithms to identify characters before chuming out a digital approximation This system can be integrated with traffic surveillance cameras to recognize the vehicle's number plates for effective traffic management.
5.	Business Model (Revenue Model)	Can be integrated with Postal system to identify and recognize the pin code details easily. he applications where these handwritten digit recognition can be used are Banking sector where it can be used to maintain the security pin numbers, it can be also used for blind peoples by using sound out
6.	Scalability of the Solution	Ability to recognise digits in more noisy environments.There is no limit in the number of digits it can be recognized