PROJECT DESIGN PHASE-1

PROPOSED SOLUTION TEMPLATE

DATE	16 October 2022
TEAM ID	PNT2022TMID25366
PROJECT NAME	A Novel Method for Handwritten Digit Recognition System
MAXIMUM MARKS	2 Marks

Proposed Solution:

S.NO	Parameter	Description
1.	Problem Statement (Problemto be solved)	**Statement**-The handwritten digit recognition is the capability of computer applications to recognize the human handwritten digits. **Description**: Because handwritten figures are not always accurate and can take many various forms and sizes, it is a difficult work for the machine.
2.	Idea / Solution description	1. It is a computer's capability to observe the human handwritten numbers from many sources, such as images, papers, and touch screens. 2. It enables users to convert all of those notes and signatures into electronic text documents in text document format, and this data only uses a fraction of the physical storage space needed for something like the physical copies.
3.	Novelty / Uniqueness	Accurately recognize the digits rather than recognizing all the characters like OCR.
4.	Social Impact / Customer Satisfaction	1.Artificial Intelligence developed the app called Handwritten digit Recognizer. 2. It converts the written word into digital approximations and utilizes complex algorithms to identify characters before churning out a digital approximation.
5.	Business Model (Revenue Model)	• This system can be integrated with traffic surveillance cameras to recognize the vehicle's number plates for effective traffic management.

		• Pin-code details can be easily identified and recognised by integrating with the postal system.
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.