

PROJECT DESIGN PHASE-1

Proposed Solution:

DATE		24 September 2022	
TEAM ID		PNT2022TMID35510	
PROJECT NAME		A Novel Method for Handwritten Digit Recognition System	
MAXIMUM MARKS	Parameter	Description	
	2 Marks		
1.	Problem Statement (Problem to be solved)	Statement -The handwritten digit recognition is the capability of computer applications to recognize the human handwritten digits. Description: It is a hard task for the machine because handwritten digits are not perfect and can be made with many different shapes and sizes.	
2.	Idea / Solution description	1. It provides a way to tackle this problem which uses image of a digit to recognize the digit present in the image. 2. It allows user to translate all those signature and notes into electronic words in a text document format and this data only requires far less physical space than the storage of the physical copies.	
3.	Novelty / Uniqueness	Accurately recognize the digits rather than recognizing all the characters like OCR.	

4.	Social Impact / Customer Satisfaction	<p>1. Old people who have eye sight issues with handwritten digits can use this system to recognize the handwritten digits correctly.</p> <p>2. It converts the written word into digital approximations and utilizes complex algorithms to identify characters before churning out a digital approximation.</p>
5.	Business Model (Revenue Model)	<p>1. This system can be integrated with traffic surveillance cameras to recognize the vehicle's number plates for effective traffic management.</p> <p>2. This system can also be effectively used in Postal system.</p>
6.	Scalability of the Solution	<p>1. More number of handwritten digits can be recognized.</p>