Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID18280
Project Name	A Novel Method for Handwritten Digit Recognition
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To propose a novel method to recognize hand written digits. Handwritten digit recognition is the ability of a computer to recognize the human handwritten digits from different sources like images, papers, touch screens, etc, and classify them into 10 predefined classes (0-9)
2.	Idea / Solution description	The capacity of a computer to differentiate human handwriting into 10 specified categories from various sources, such as photos, sheets, touch defences, etc (0-9). We encounter several difficulties in handwritten number identification because various people have different writing styles.
3.	Novelty / Uniqueness	Based on an examination of the thickness and form of the numerical picture, it can accurately and efficiently identify the digits.
4.	Social Impact / Customer Satisfaction	It can be used for the identification of car numbers, reading postal addresses, bank check amounts, and forms, addressing of letters and pattern recognition applications.
5.	Business Model (Revenue Model)	The goal of this is to provide efficientand trustworthy methods for online handwriting recognition on computer tablets, recognizing zip codes on mail for postal mail sorting, processing bank check amounts, numeric entries in forms filled up by hand.
6.	Scalability of the Solution	Due to its applicability in several machine learning and computer vision applications, handwritten digit recognition has become a crucial field and is enticing many people. The accuracy is scalable for the model.