

Project Design Phase-I
Proposed Solution Template

Assignment Date	19 September 2022
Team ID	PNT2022TMID27796
Project Name	A Novel Method for Handwritten Digit Recognition System
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The capacity of computer programmes to detect human handwritten digits is known as handwritten digit recognition. Because handwritten figures are not always accurate and can take many various forms and sizes, it is a difficult work for the machine. A solution to this issue is the handwritten digit recognition system, which uses a picture of a digit to identify the digit that is contained in the image.
2.	Idea / Solution description	The capacity of a computer to categorise 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 is utilised for many other functions, including the identification of car numbers, the reading of checks at banks and post offices, and the addressing of letters. It is the fastest approach, but it takes time
5.	Business Model (Revenue Model)	The goal of this is to provide efficient and trustworthy methods for reading handwritten numbers online
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