Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID33879
Project Name	A novel method for hand written digit recognition
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
•	Problem Statement (Problem to be solved)	Hard task for the machine to be able to recognize the handwritten digits because handwritten digits are not perfect and can be made with many different writing styles.
•	Idea / Solution description	A handwriting digit recognition system is to convert handwritten digits into machine readable **formats**. It is the process to provide the ability to machines to recognize human handwritten digits
•	Novelty / Uniqueness	It recognizes the digits based on the analysis of shape and the thickness of the numerical image which is very effective and good accuracy.
•	Social Impact / Customer Satisfaction	It is used in the **detection of vehicle number, banks for reading cheques, post offices for arranging letter, and many other tasks. It is time consuming and fastest method.**
•	Business Model (Revenue Model)	objective of this is to ensure effective and reliable approaches for recognition of handwritten digits in online digits recognition such as banking operations easier and error free
•	Scalability of the Solution	Handwritten digit recognition becomes vital scope and it is appealing many researchers because of it using in variety of **machine learning and computer vision applications**