

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID22043
Project Name	Project - A Novel Method for Handwritten Digit Recognition
Maximum Marks	2 Marks

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Recognition of handwritten character is a difficult task in the field of image processing, artificial intelligence since the handwriting varies from person to person.
2.	Idea / Solution description	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).
3.	Novelty / Uniqueness	Recognise the digits precisely rather than all the characters like OCR.
4.	Social Impact / Customer Satisfaction	This work is to ensure effective and reliable approaches for recognition of handwritten digits and make banking operations easier and error free. Customer will feel to ease, as it easy and convenient to use. As the accuracy is acceptable, this can have many applications.
5.	Business Model (Revenue Model)	This novel method for handwritten digit recognition system can be approached by many industries which needs this application including bank checks, postal locations and tax documents and so on.
6.	Scalability of the Solution	The capacity to recognise numbers in more distracting circumstances. The maximum number of digits that can be recognised is unlimited.