

**Project Design Phase-I**  
**Proposed Solution Template**

Date	24 September 2022
Team ID	PNT2022TMID32324
Project Name	Project - A Novel Method for Handwritten Digit Recognition System
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The handwritten digit recognition is the capability of computer applications to recognize the human handwritten digits. The purpose of this work is to minimize the number of pixels by using as input the data extracted and calculated from the initial image.
2.	Idea / Solution description	The goal of our work is to create a model that will be able to recognize and classify the handwritten digits from images by using concepts of Convolution Neural Network.
3.	Novelty / Uniqueness	Handwritten Digit Recognition has various real-life time uses. It is used in the detection of vehicle number, banks for reading cheques, post offices for arranging letter, and many other tasks.
4.	Social Impact / Customer Satisfaction	The recommendation system and user Interface of the platform will satisfies the customers in detection of banks for reading cheques, vehicle numbers, post offices for arranging letters.
5.	Business Model (Revenue Model)	We are building a platform for the dealer so that he may sell his items through it and we will pay the dealer based on how well the consumer is satisfied with the product
6.	Scalability of the Solution	We will charge dealers based on the quantity of goods they sell through our platform. This model can be expanded to include more attributes for more accurate detection.