

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

Date	19 September 2022
Team ID	PNT2022TMID42634
Project Name	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)	With the progress in the field of science and technology, everything is being digitized to reduce human effort. Hence there comes the need for handwritten digit recognition system in real time applications
2.	Idea / Solution description	Various AI/ML packages are used to analyse, train the model based on the problem statement. The major goal of the proposed system is understanding Convolutional Neural Network, and applying it to the handwritten recognition system
3.	Novelty / Uniqueness	It can recognize different varieties of handwriting patterns.
4.	Social Impact / Customer Satisfaction	This system can be used to recognize the number plates in vehicles, postal codes & phone numbers
5.	Business Model (Revenue Model)	We are building a service that can be integrated into any application and pricing model will be based
6.	Scalability of the Solution	This can be extended to recognizing letters in English as a base testing and even extended to different