Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID46416
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)	A process to facilitate machines to recognize human handwritten digits .Handwritten digits are not perfect, it may vary from person to person and some characters looks similar which makes it hard for computer and human to recognize accurately.
2.	Idea / Solution description	MNIST dataset used to train a CNN to predict the given digit image by importing python and open CV libraries.
3.	Novelty / Uniqueness	Increased number of training set makes it fast, accurate and reliable method for digit recognition.
4.	Social Impact / Customer Satisfaction	Postal department and courier services can easily find the digit written. Old people with eyesight disabilities will be benefited.
5.	Business Model (Revenue Model)	Banking sector and postal sector services.
6.	Scalability of the Solution	Handles more number of data without compromising on performance and accuracy of result.