Project Design Phase-I
Proposed Solution Template

Date	21 September 2022
Team ID	PNT2022TMID27288
Project Name	Project -A Novel Method for Handwritten Digit Recognition System
Maximum Marks	2 Marks

Proposed Solution Template:

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	I am a person working in a postoffice. I'm trying to feed the account details into the database but it takes lot of time because the account details has to be entered manually which makes me feel frustrated.
2.	Idea / Solution description	A Novel method to recognize handwritten digits using Conventional Neural Networks (CNN) using the MNIST dataset.
3.	Novelty / Uniqueness	Accurately recognize the digits rather than recognizing all the characters like OCR.
4.	Social Impact / Customer Satisfaction	• Requires less time rather than entering the details manually • More accurate as it is dedicatedly designed to recognize the digits

5.	Business Model (Revenue Model)	• This system can be integrated with traffic surveillance cameras to recognize the vehicle's number plates for effective traffic management. • Can be integrated with Postal system to identify and recognize the pin-code details easily.
6.	Scalability of the Solution	• Ability to recognise digits in more noisy environments. • There is no limit in the number of digits it can be recognized.