Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID41079
Project Name	A Novel Method For Handwritten Digit Recognition System
Maximum Marks	2 Marks

Proposed Solution Template:

The project team shall fill in the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	● Mohan is a cashier, he needs a way to quickly enter the account details which are written by account holders in the challan so that account holders don't have to wait long.
2.	Idea / Solution description	● Using MNIST dataset and Convolutional Neural Network to perform digits recognition. ● All of those digits can be converted into electronic words in a text document format, and this data only needs a fraction of the physical storage space of the physical copies.
3.	Novelty / Uniqueness	● Unlike OCR, which recognizes all the characters, it can accurately recognize the digits.
4.	Social Impact / Customer Satisfaction	● This system saves time and workload in sectors which use this technology.
5.	Business Model (Revenue Model)	● It is very useful in the banking sectors, In the banking sector, numerical detail in cheque can be easily recognized. ● Pincode details are easily obtained in the postal system.
6.	Scalability of the Solution	● This system has no restriction on the number of digits to be recognized.