Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID35141
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)	A novel method for handwritten digit recognition system
2.	Idea / Solution description	The proposed system uses CNN based model and trained using MNIST datset
3.	Novelty / Uniqueness	CNN model provides more accurate analysis alongwith image and voice recognition ,which can be especially useful for blind, differently abled and elder people
4.	Social Impact / Customer Satisfaction	Customers will no longer have to depend on any external system as this software can be easily installed in their mobile phones.
5.	Business Model (Revenue Model)	input module,image processing and segmentation module,feature extraction,dataset training module etc
6.	Scalability of the Solution	An accuracy of 99.98% can be obtained by training this model using MNIST dataset. The accuracy can be further increased by training with other types of dataset additionally.