Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID21352
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 novel method for handwritten digit recognition system. Handwritten digit recognition is very important as it will be very helpful to reduce human effort. As each individual has different handwritings for representing digits, the system should have a capability to identify every handwriting with maximum accuracy. Such a system will be useful to reduce human interventions in identification, as everything is being digitized. The main objective of this work is to ensure effective and reliable approaches for recognition of handwritten digits and make banking operations easier and error free. Handwriting recognition has gained a lot of attention in the field of pattern recognition and machine learning due to its application in various fields. Various techniques have been proposed to for digit recognition in handwriting recognition system.
2.	Idea / Solution description	The idea is to recognize the handwritten digits in any smart device. The solution provided will be a software that can recognize the digits written on the screen and convert the recognized contents in the form of text or speech. The user is free is to copy or store the recognized contents in the desired locations.
3.	Novelty / Uniqueness	To recognize the handwritten digits using newer technologies. The system must recognize with zero latency and zero error.
4.	Social Impact / Customer Satisfaction	Due to this solution, the common android users are satisfied as the digits written by them can be easily recognized. The customers such as the normal mobile mobile users, research scholars

		and the archaeologists are so much benefitted by this project.
5.	Business Model (Revenue Model)	
6.	Scalability of the Solution	The solution can be scaled for many different languages. Other than digit recognition, the system can be used to recognize the alphabets of multiple languages.