

**Project Design Phase-I**  
**Proposed Solution Template**

Date	24 September 2022
Team ID	PNT2022TMID34853
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)	The Handwritten digits are not always of the same size, width, orientation and justified to margins as they from writing of person to person.
2.	Idea / Solution description	By using MNIST dataset handwritten digits can be recognised. MNIST dataset contains 60000 training images of handwritten digits from Zero to Nine and Ten thousand images for testing.
3.	Novelty / Uniqueness	This system provides authentication for maintaining privacy of the users and user can store data.
4.	Social Impact / Customer Satisfaction	Postal department and courier services can easily find the digits written. Applications of handwriting recognition are numerous: <b>reading postal addresses, bank check amounts, and forms</b>
5.	Business Model (Revenue Model)	Used in Banking sector and Postal sector. In banking sectors Numerous handwritten numbers are involved our system reduces the human mistakes.
6.	Scalability of the Solution	It recognises the handwritten digit in high level of accuracy.