

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

Date	22 September 2022
Team ID	PNT2022TMID395413
Project Name	Project – A Novel Method For Handwritten Digit Recognition System
Maximum Marks	2 Marks

**Proposed Solution Template:**

S.No.	Parameter	Description
1.	<b>Problem Statement (Problem to be solved)</b>	Poor , unique style and lack of understanding of handwritten digits.
2.	<b>Idea / Solution description</b>	Train a CNN(Convolutional Neural Network ) on MNIST dataset.
3.	<b>Novelty / Uniqueness</b>	The dataset contains a total of 70,000 images of handwritten digits from 0-9 formatted.
4.	<b>Social Impact / Customer Satisfaction</b>	Convert handwritten digit into machine readable formats at high accuracy and speed.
5.	<b>Business Model (Revenue Model)</b>	To ensure effective and reliable approaches for recognition of handwritten digits and make banking operation easier and error free.
6.	<b>Scalability of the Solution</b>	Design the neural network and train the model with new images and save it for future use.