

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

Date	19 September 2022
Team ID	PNT2022TMID53601
Project Name	A Novel Method For Handwritten Digit Recognition System
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill in the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	A solution for classification of numerical images of different handwritings given using Convolutional Neural Networks.
2.	Idea / Solution description	An application that is used to detect the numerical value of the given image by uploading the image to a website. Once the image is uploaded, click on the "Predict" button. It will tell you the result of the number.
3.	Novelty / Uniqueness	There are similar solutions on the internet.
4.	Social Impact / Customer Satisfaction	This solution can help visually challenged people by uploading the image and getting an output response. Also, this can be used in a real-time image-to-text converter for faster documentation of data.
5.	Business Model (Revenue Model)	This application holds good potential in the market and this could be distributed to all people around the globe since it can be useful to everyone, especially as a visual aid.
6.	Scalability of the Solution	In the case of a server we can upgrade the server to handle more requests at a time which ensures scalability from the server side. In the case of application, the machine learning model can be converted to an API which could be further upgraded for advanced features.

