

Project Design Phase-I Proposed Solution Template

Date	18 October 2022
Team ID	PNT2022TMID29441
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)	<ul style="list-style-type: none"> To make the computer applications to recognize the human handwritten digits for the clear understanding.
2.	Idea / Solution description	<ul style="list-style-type: none"> It is the capability of a computer to identify the mortal handwritten numbers from different sources like images and papers. The system can get the input either using scanner or uploading the image. Then it compile the file and return the number as output.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> A perfect transcription would be able to distinguish known and unknown digits in a number. In handwritten number might include, among other things, a change in the writer, character properties, writing attributes. Instead of examining each element separately, we believe that an integrated agent capable of processing known characters and novelties concurrently is a superior technique.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> To reading postal code and bank check amounts, it is also useful for reading forms. As the system is being used in socially crowded places such as banks to check amounts, it should be fast and reliable.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> It can be integrated with Postal system to identify and recognize the pin-code details easily. This system can be integrated with traffic surveillance cameras to recognize the vehicle's number plates for effective traffic management.
6.	Scalability of the Solution	<ul style="list-style-type: none"> It can able to recognize blurry image even in a noisy environment The system doesn't worry about the number of digits. It can able to process the number properly