**Project Design Phase-I**

**Proposed Solution Template**

|  |  |
| --- | --- |
| Date | 20 October 2022 |
| Team ID | PNT2022TMID31649 |
| 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** |
|  | Problem Statement (Problem to be solved) | The handwritten digit given by the user should be recognized by the user |
|  | Idea / Solution description | To develop a machine learning model using neural networks and RNN to capture the patterns using the dataset |
|  | Novelty / Uniqueness | Model developed can recognize different handwritings very efficiently |
|  | Social Impact / Customer Satisfaction | Application reduces the manual tasks and fastens the prediction |
|  | Business Model (Revenue Model) | This application can be used by the traffic police to recognize the number plates  This application can also be used by the bank cashiers to recognize the digits in various cheque leaf’s |
|  | Scalability of the Solution | This application can be used to recognize various language digits and also scaled up to accept multiple inputs to process them |