**Project Design Phase-I**

**Proposed Solution Template**

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| Team ID | PNT2022TMID50751 |
| 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.

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Everyone have different handwriting style. It is very hard to understand the human handwriting by the machine. The purpose of this work is to minimize the number of pixels by using as input the data extracted and calculated from the initial image. |
|  | Idea / Solution description | The application is the capability of the computer to identify and understand the human handwritten digit automatically instead of typing every time. |
|  | Novelty / Uniqueness | If any unidentified handwritten digits are uploaded, it show similar matched digits from the database and ask confirmation from the user. |
|  | Social Impact / Customer Satisfaction | The recommendation system and user interface of the platform will satisfies the customers in detection of banks for reading cheques, vehicle numbers, post office for arranging letters. |
|  | Business Model (Revenue Model) | We are building a platform for the dealer so that he may sell his items through it and we will pau the dealer based on how well the consumer is satisfied with the product. |
|  | Scalability of the Solution | We will charge dealers based on the quality of goods they sell through our platform. This model can be expanded to include more attributes for more accurate detection. |