**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 24 September 2022 |
| Team ID | PNT2022TMID49604 |
| Project Name | A Novel Method for Handwritten Digit Recognition System |

**Proposed Solution:**

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| **S. No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | In the field of science and technology, everything is being digitalized to reduce human effort. Hence, there comes a need for handwritten digit recognition in many real-time applications. |
| 2. | Idea / Solution description | The application is the capability of the computer to identify and understand the human handwritten digits automatically instead of typing every time. |
| 3. | Novelty / Uniqueness | If any unidentified handwritten digits are uploaded, it shows similar matched digits from the database and ask confirmation from the user. |
| 4. | Social Impact / Customer Satisfaction | Handwritten digit recognition has recently gained importance, and it is attracting many researchers due to its usage in a number of machine learning and computer vision applications. |
| 5. | Business Model (Revenue Model) | Number recognition has numerous operations like number plate recognition, postal correspondence sorting, bank check processing. |
| 6. | Scalability of the Solution | The model that would be able to recognize and determine the handwritten digits from its image, and give better accuracy. |