**Project Design Phase-I**

**Proposed Solution**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID50703 |
| Project Name | Project - A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM |
| Maximum Marks | 2 Marks |

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * Its very difficult to recognize the handwritten digits because every individual in this world has their own style of writing. * Recognition accuracy and computation time still require further improvement. |
|  | Idea / Solution description | * Handwritten digit recognized system to increase accuracy with minimum computation time. |
|  | Novelty / Uniqueness | * To develop effective and reliable approach for recognition of handwritten digits using Deep Learning based Convolutional Neural Network (D-CNN). |
|  | Social Impact / Customer Satisfaction | * Handwritten digit recognition is one of the practically important issues in pattern recognition applications. * This system is used for everything is being digitalized to reduce human effort. |
|  | Business Model (Revenue Model) | * We are proposing to develop an automatic banking deposit number recognition system which is able to recognize the handwritten account number and amount number on the cash deposit slip. |
|  | Scalability of the Solution | * Handwriting recognition is one of the most challenging areas of the pattern recognition. * My project is effective until put a even better solution depends on accuracy and computation time |