A Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	15 October 2022
Team ID	PNT2022TMID30139
Project Name	A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Input	Allow user to enter the input in GUI and recognise the input.
FR-2	Model	A file that has been trained to recognize certain types of patterns.
FR-3	Prediction	Train and Test the model and predict the user input.
FR-4	Evaluation	Checking the model whether the prediction is correct.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Can predict digits and special characters correctly. Our model can be used in postal mail sorting, bank check processing, data entry, etc.
NFR-2	**Security**	User data is secured. It ensures security in a way that the images uploaded for recognition will not be stored once the recognition is done.
NFR-3	**Reliability**	Can process confidential information. Recognize digits without interruption.
NFR-4	**Performance**	Improvement in fast prediction. We use DNN algorithm for accurate prediction.
NFR-5	**Availability**	Available as software for both common and professional use.
NFR-6	**Scalability**	It also helps many individuals to solve their problem with low time consumption and high accuracy.