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

Date	15 October 2022
Team ID	PNT2022TMID10909
Project Name	Project – 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 Registration	Registration through Email Registration through Phone number
FR-2	User Confirmation	Confirmation via Email
FR-3	User Details Storage	The details of the users are stored
FR-4	Scan the image	The handwritten digit is scanned or uploaded
FR-5	Analyse the image in the Dataset	The scanned or uploaded image is compared with the dataset
FR-6	Recognize the digit	Based on the dataset the handwritten digit is recognized

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The handwritten digit recognition is used in postal office and bank check processing
NFR-2	**Security**	The user's bank details and postal addresses are secured
NFR-3	**Reliability**	Almost the digit recognized is reliable
NFR-4	**Performance**	The handwritten image is recognized at the maximum speed
NFR-5	**Availability**	The software will be available at any time
NFR-6	**Scalability**	Algorithm of our model can recognize and predict the handwritten digit up to 95% and above.