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

Date	30 October 2022
Team ID	PNT2022TMID42195
Project Name	Project – A Novel Method For Handwritten Digit Recognition
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 Form Registration through Gmail
FR-2	Update native language	The preferred language of the user will be change by the user.
FR-2	Image Capture	Take the image of handwritten and check the handwritten is captured Under given parameters.
FR-3	Image processing	Upload the handwritten image by clicking the ok button.
FR-4	Digit Prediction	The kind of digits and its image will be predicted and Accurate digits will be recommended.
FR-5	Recommendation	Only digits are recommended to the user.
FR-6	Email notification	The finded handwritten will be shown to the requested user.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Datasets based on digits are used for all kinds of Digits. Datasets can be reusable.
NFR-2	**Security**	User information and digit data are secure. Algorithms used are more secure.
NFR-3	**Reliability**	The image capturing performs consistently well with high quality.
NFR-4	**Performance**	Performance of the system is considerably better and the predictions are good with high accuracy.
NFR-5	**Availability**	It can work in different platforms and easy access of the system will be provided.
NFR-6	**Scalability**	Increase in digit of predicting the results.