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

Date	14 October 2022
Team ID	PNT2022TMID00205
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 Form Registration through GMail Registration through LinkedIn Registration through the website
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Authentication	Verify the user via e-mail Verify the user via OTP
FR-4	Upload handwritten images	Provide inputs to the application to recognize the digits
FR-5	Recognition of digits	Recognized digits are displayed along with the confidence of prediction

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The application is developed with strong design principles to provide better user experience
NFR-2	**Security**	Data is strongly secured through the implementation of security mechanisms
NFR-3	**Reliability**	The application is fault-tolerant and does not crash frequently
NFR-4	**Performance**	The recognition is done at a faster pace and is not prone to delays and lags
NFR-5	**Availability**	Cloud based deployment allows for accessibility in various geographical locations
NFR-6	**Scalability**	Application does not become unstable under load and can handle multiple requests concurrently