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

Date	03 October 2022
Team ID	PNT2022TMID01518
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
FR-2	User Login	Login via registered Username and Password
FR-3	Uploading images	Able to input the handwritten images into the application
FR-4	Recognizing digits	Display the recognized digits from the input images to the user

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The application needs to respond smoothly so that the user can use the application effectively and need to be an user friendly application.
NFR-2	**Security**	Ensure the security by authenticating the users using their username and password.
NFR-3	**Reliability**	The application does not show any error during the recognition of the digits from the uploaded images.
NFR-4	**Performance**	Needs to respond fast and provide the output even for the complex handwritings.
NFR-5	**Availability**	Need to available for all users at any time and can able to input the handwritten images to the application easily.
NFR-6	**Scalability**	It can able to handle N numbers of users at the same time with faster response and recognize the digits effectively.