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

Date	20th October 2022
Team ID	PNT2022TMID27450
Project Name	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 and Google Auth
FR-2	User Confirmation	Confirmation via Email
FR-3	Image Input Form	A flask wtf form with image upload as fields
FR-4	Result	Result is displayed as a popup and an email notification is sent to the user
FR-5	User Details	The user can view/update user details.
FR-6	ChatBot	A chatbot for assistance.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Responsive and interactive UI allows the user to access the app with ease
NFR-2	**Security**	The user data is encrypted and stored securely. By using authentication mechanisms user accounts are secured
NFR-3	**Reliability**	Data Loss wouldn't occur since the usage of IBM Cloud.
NFR-4	**Performance**	The prediction model Performance will be dynamic and improves over time. The user interface requires less heavy APIs and libraries to render
NFR-5	**Availability**	Will be available throughout the time since the application is deployed in IBM Cloud.
NFR-6	**Scalability**	The application is scalable and can cater users based on traffic