

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

Date	03 October 2022
Team ID	PNT2022TMID37375
Project Name	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	Image Upload	Upload different handwritten images in a supported format
FR-4	Digit Recognition	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	Will be concerned with the effectiveness and efficiency of the application
NFR-2	Security	Ensure the privacy by authenticating the users using their username and password.
NFR-3	Reliability	The application should not show any errors during the recognition of the digits from the uploaded images.
NFR-4	Performance	Need to provide exact output for the written digits from the uploaded images
NFR-5	Availability	Should be accessible for all users at any time and must provide required output for the handwritten digits.
NFR-6	Scalability	Designed in a way to handle N numbers of users at the same time with faster response and recognize the digits effectively.