

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

Date	03 October 2022
Team ID	PNT2022TMID47739
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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Upload a handwritten image	Put original image Put original handwritten
FR-4	Check with digit recognition	Compare with digit system Get a understanding image

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application include in postal mail sorting, bank check processing, form data entry.
NFR-2	Security	Because SVM classifier performed the best.
NFR-3	Reliability	The diversity in human writing types, spacing differences, and irregularities of handwriting causes less character recognition as you can see in the featured image.
NFR-4	Performance	That is why you will often see it used in image recognition problems as well.
NFR-5	Availability	The system not only produces a classification of the digit but also a rich description of the instantiation parameters.
NFR-6	Scalability	The goal of our research work is to develop scalable Neural Network(NN) and convolutional