

Project Design Phase – II

Solution Requirements (Functional & Non-Functional)

Team ID	PNT2022TMID27693
Project Name	A Novel Method for Handwritten Digit Recognition System

Functional Requirements:

Following are the functional requirements of the proposed solution

FR NO	Functional Requirements (EPIC)	Sub Requirements (Sub Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through Mobile Number Registration through LinkedIn
FR-2	User Confirmation	Confirmation via OTP Confirmation via Email
FR-3	Datasets	MNIST Datasets can be Imported

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution

FR NO	Non-Functional Requirements	Description
NFR-1	Usability	It has several application which include identification of the Digit Recognition like Number plate recognition, Postal identification, etc.
NFR-2	Security	The uploaded images are not stored so it acts as a secure data stream.

NFR-3	Reliability	It is reliable and accurate of data after training is possible here.
NFR-4	Performance	Each training of datasets results in the improved accuracy thus resulting in easy UI.
NFR-5	Availability	Usage at anytime and anywhere is available.
NFR-6	Scalability	Improve in the efficiency and accommodation with expansion of the Digit Recognition application is achieved with the help of web application.