

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

Date	31.10.2022
Team ID	PTN2022TMID41730
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 Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
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 Requirement	Description
NFR-1	Usability	It can be used for several application to identify the Digit Recognition like Number plate recognition, Postal identification, etc.
NFR-2	Security	Image once uploaded are not stored so it could give a secure data.
NFR-3	Reliability	It is reliable and the data can accurate after training.
NFR-4	Performance	Every time the datasets gets trained the accuracy gets improved and easy UI.
NFR-5	Availability	Available to use anytime and anywhere.
NFR-6	Scalability	Due to web application the Digit Recognition can be improve the efficiency and accommodate with expansion of the application.