

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

Date	14 October 2022
Team ID	PNT2022TMID45157
Project Name	Project - A Novel Method for Handwritten Digit Recognition System
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form. Registration through Gmail.
FR-2	Uploading Images	Image upload from local file directory.
FR-3	Extracting Text	Identifying handwriting patterns and extracting text from it.

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Easy to upload the image and view the processed output.
NFR-2	Security	Basic authentication for users using various safety mechanisms like JWT Token, etc.
NFR-3	Reliability	Output produced by the application has high accuracy.
NFR-4	Availability	The application can be deployed on the cloud which makes it possible to access the application from anywhere at any time.
NFR-5	Scalability	Large size of image file support can be provided.