

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

Date	03 October 2022
Team ID	PNT2022TMID28204
Project Name	Project - The Novel Method For Handwritten 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 Facebook
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User login	Login through email & password Login through Gmail Login through Facebook
FR-4	Upload handwritten Files	Upload the image from the computer.
FR-5	Recognizing the handwritten digit and displaying.	Recognizing the handwritten digit and displaying.
FR-6	Training and Testing	Train and test the model for better accuracy
FR-7	Displaying output	Display the output with high accuracy

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	System design should be easily understood and user friendly to users. Furthermore, users of all skill levels of users should be able to navigate it without problems.
NFR-2	Security	The system should automatically be able to authenticate all users with their unique username and password.
NFR-3	Reliability	The system will perform its intended function adequately and will operate in a secured environment with atmost accuracy and success rate.
NFR-4	Performance	The system will be able to display the output with high accuracy.
NFR-5	Availability	The system will be available to anyone with a computer and internet connection.
NFR-6	Scalability	The system is open source so it can develop further.