

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

Date	29 October 2022
Team ID	PNT2022TMID32324
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	Home page	<ul style="list-style-type: none">• if new user , REGISTER• if already exist , SIGN IN• Documents or numbers in that document checked correctly
FR-2	User Registration	Enter Mail Id and other personal details required for Registering
FR-3	User Confirmation	Before scanning confirm whether that is used by you or not through OTP /mail
FR-4	Scanning the Image	Scan the written digit / write the digit in tab
FR-5	Result	The scanned digit is recognized as a correct number

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It describes who, when, why, How this software system can be used
NFR-2	Security	Security functionality that ensures one of many different security properties of software is being satisfied .Security requirements are derived from industry standards, applicable laws ,and a history past vulnerabilities.
NFR-3	Reliability	It test whether the correct digit is recognized after scanning
NFR-4	Performance	It defines how well the software system accomplishes certain functions under specific condition
NFR-5	Availability	It describes how long this software will be used and how long the IT system can be unavailable without impacting operations.
NFR-6	Scalability	It is the measure of a system ability to increase or decrease in performance and cost in response