

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

Date	03 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"><li>• if new user , REGISTER</li><li>• if already exist , SIGN IN</li><li>• Documents or numbers in that document checked correctly</li></ul>
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	<b>Usability</b>	It describes who, when, why, How this software system can be used
NFR-2	<b>Security</b>	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	<b>Reliability</b>	It test whether the correct digit is recognized after scanning
NFR-4	<b>Performance</b>	It defines how well the software system accomplishes certain functions under specific condition
NFR-5	<b>Availability</b>	It describes how long this software will be used and how long the IT system can be unavailable without impacting operations.
NFR-6	<b>Scalability</b>	It is the measure of a system ability to increase or decrease in performance and cost in response