

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

Date	03 October 2022
Team ID	PNT2022TMID19039
Project Name	Project – A Novel based handwritten digit recognition
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	User login	Setting up user id and password
FR-4	App permission	Grant the permission for app to access location, contact etc.,
FR-5	Interface with the device	Connecting the device with registered app with device id.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It is used for three different writing methods to construct short piece of text. It's used were pencil, paper the QWERTY keyboard at a computer pen and graphics tablet. where the pen and graphics tablet was used handwritten text was recognised by software
NFR-2	Security	It is mainly used for security purpose of bank for reading cheques, detection of vehicle number and so on.
NFR-3	Reliability	It's provide maximum reliability it alerts the bank employee to mismatch or not clear to reading cheques .at the moment we can able to accuracy or clearly reading cheque with the help of this software.
NFR-4	Performance	This performance is very good.it provides more accuracy to recognise the digits.

NFR-5	Availability	It provides detect the digits clearly for users. It's sufficient to employee understand or clearly reading cheques.
NFR-6	Scalability	We can use it anywhere at anytime online or offline