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

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	Upload image	Image upload via files
		Image upload via folders
		Image upload via drive
		Image upload via web
		Image upload via scan/camera
FR-4	Spelling support	Identifies handwriting of different styles
		and fonts
		Spelling check
FR-5	Translation	Handwritten digits from the image are
		extracted.
		Conversion of handwritten digits into
		machine readable form
FR-6	Log out	Log out / sign out.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR- 1	Usability	The proposed system gives good results for images that contain handwritten text written in different styles, different size and alignment
NFR-	Security	with varying background Only authorized people can access the system data and modify the database.
NFR- 3	Reliability	The Database is frequently updated with handwriting of different styles and size and will rollback when any update fails.
NFR- 4	Performance	The proposed system is advantageous as it uses fewer features to train the neural network, which results in faster convergence.
NFR- 5	Availability	The system functionality and services are available for use with all operations.
NFR- 6	Scalability	The website traffic limit must be scalable enough to support 2 lakhs users at a time