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

Date	15 October 2022
Team ID	PNT2022TMID08118
Project Name	Project – A NOVEL METHOD FOR 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	Implementation	Importing the libraries Loading the datasets
FR-2	Hidden procedure	Pre-processing data, creating and training model
FR-3	User input/user output	GUI interface for drawing the digits
FR-4	User confirmation	Accuracy percentage with help of sample datasets

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Bank check processing, postal mail sorting, form data entry, vehicle number detection
NFR-2	**Security**	False alarms and missed events
NFR-3	**Reliability**	Rich in accepting all type of inputs
NFR-4	**Performance**	Accuracy and effective recognition
NFR-5	**Availability**	GUI interface for input , datasets with training and testing images
NFR-6	**Scalability**	High speed, robustness , user friendly and flexible as it accepts all type of formats such as image, documents etc .