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

Date	03 October 2022
Team ID	PNT2022TMID27836
Project Name	Project - Detecting Parkinson's Disease using Machine Learning
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
FR-2	User Confirmation	Confirmation via Resubmission through Dialog box.
FR-3	Retrieving Information	Upload the Patient's Drawings and other medical information for analyzing them
FR-4	Displaying Result	The system must be able to display whether the User / Patient is affected or not.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Access to use the application is permitted only to the registered users.
NFR-2	**Security**	User information is protected for authenticated users.
NFR-3	**Reliability**	Since only authorized users have access to the contents of the page, the web application is reliable and authorized.
NFR-4	**Performance**	The web application makes use of HOG for image classification to quantify the image hence it gives accurate results.
NFR-5	**Availability**	The web application can be accessed 24/7 from anywhere when connected to the internet
NFR-6	**Scalability**	The trained ML model can provide accurate results whenever the size of the dataset and the number of users is extended.