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

Date	03 October 2022
Team ID	PNT2022TMID40423
Project Name	Detecting Parkinsons 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 Forms
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Login	Login to landing page using email and password.
FR-4	Image Uploading and Processing	Select image from the system and upload to the application.
FR-5	Identification/Prediction	Prediction of the status of condition based on the hand drawn image uploaded.
FR-6	Accuracy	Provide the accuracy of the performed classification.
FR-7	Medical Suggestions	Suggest necessary remedy, treatment objectives, specialist contacts based on user consent.
FR-8	Obtaining the data	Ability to view the reports as case details.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The application is self-intuitive and interactive. Even people with the minimal technological awareness can handle it with ease.
NFR-2	**Security**	The user details are bound to the user profile and are secured.
NFR-3	**Reliability**	The application is monitored periodically in terms of its constant prediction ability, quality and availability to the user.
NFR-4	**Performance**	The light weight model used in prediction will enable the accurate prediction of the result.
NFR-5	**Availability**	The application is active throughout the day, with constant maintenance checks every week.
NFR-6	**Scalability**	Application performs well under an increased workload.