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

Date	11th November 2022
Team ID	PNT2022TMID09274
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 account registration	Registration through Google account and forms
FR-2	Input data	Application received the data and processes its roles
FR-2	User Authorization	Verifying the user's account
FR-3	Data classification	Classification of the real data for the user
FR-4	Accuracy verification	Accuracy is determined in the application
FR-5	Time efficient usage	Interaction with the chatbot till the result gets generated for the user
FR-6	Medical recommendations	User receives the medical suggestions and assistance for to offer speed
FR-7	Data extraction	User gets their personal disease report data from the application

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application can be used for accurate prediction and classifier of the true and fake input data sample
NFR-2	Security	User's data is well encrypted using stable machine learning algorithms
NFR-3	Reliability	The application is monitored periodically in terms of its constant prediction ability, quality, and availability towards the user

NFR-4	Performance	It classifies the images and predicts the disease with careful accuracy output
NFR-5	Availability	The application is active throughout the day. While awaiting the prediction result, User can interact with the chatbot for to spend time in knowing important
NFR-6	Scalability	It does not request money or bank details to setup their account and download their final medical result from the application