

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	20 October 2022
Team ID	PNT2022TMID04453
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 Registration through Gmail Registration through Phone Number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User details collection	Collection through forms Collections through google Upload to database
FR-4	Test application Form	Collect details Collect Payment fee if applicable Proceed to test window if payment done
FR-5	User known value	Get user level Get user sugar level Get user physical condition Get user disabilities
FR-6	Test report generation	Classify the given image Associate with database Generate report
FR-7	User Demand	After getting the result ,the affected person needs to consult a doctor. The non affected person needs some medication which will show in the web application.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Smartphone or Laptop with adequate camera requirements and networks access
NFR-2	Security	Cloud based communication hence secure as it is already provided by cloud vendor.The analysed data is accessed only authenticated
NFR-3	Reliability	The Machine Learning model is accurate
NFR-4	Performance	Fast as classification is efficient
NFR-5	Availability	Supports remote locations as it is web based
NFR-6	Scalability	Highly scalable and with more images, the model's accuracy can be improved