Project Design Phase-II

Solution Requirements (Functional & Non-functional)

| Date | 17 NOVEMBER 2022 |
| --- | --- |
| Team ID | PNT2022TMID48113 |
| 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 LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User Authentication | Verify the user |
| FR-4 | Provide hand drawn images | Give input to the application to check for the disease |
| FR-5 | Detection of the disease | Accuracy of the disease is shown with future  precautions |

# 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 user friendly |
| NFR-2 | **Security** | Data is secured and confidential |
| NFR-3 | **Reliability** | Prevent the model from moving into production |
| NFR-4 | **Performance** | Detection of the disease is accurate |
| NFR-5 | **Availability** | Deployed in cloud so it is accessible |
| NFR-6 | **Scalability** | Application performs well under an increased  workload |