

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

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| Date | 14 October 2022 |
| Team ID | PNT2022TMID00199 |
| 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 |