

Project Design Phase-II

FUNCTIONAL REQUIREMENTS

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|---------------|---|
| Date | 27 October 2022 |
| Team ID | PNT2022TMID06408 |
| Project Name | Project-Statistical Machine Learning Approaches to Liver Disease Prediction |
| 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 present in liver disease prediction website |
| FR-2 | User Confirmation | Confirmation through registered Email |
| FR-3 | Prediction | Based on the data's entered like age, gender and symptoms the type of liver disease is predicted. |
| FR-4 | Hardware Requirements | Intel i3 core processor Internet Connectivity |
| FR-5 | Software Requirements | Windows 7 or higher Python 3.6.0 or higher Visual Studio Code Dataset Jupyter notebook |
| FR-6 | Database Retrieval | we retrieve the data from the database. |

Non-functional Requirements:

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

| NRF.NO | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NRF-1 | Usability | Due to the early detection of the liver diseases ,death rate can be decreased |
| NRF-2 | Security | it ensures all data in the system will be Protected |
| NRF-3 | Reliability | it provides secured storing of data and access |
| NRF-4 | Performance | Performance is high as we are using various Machine learning classification algorithms to find the best and the accurate model. |
| NRF-5 | Availability | It can be accessed by all the users. |
| NRF-6 | Scalability | It is acceptable to fit over any place and any resources. |