**Project Design Phase-II**

FUNCTIONAL REQUIREMENTS

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| Date | 25 oct 2022 |
| Team ID | PNT2022TMID26382 |
| Project Name | Statistical Machine Learning Approaches to Liver Disease Prediction |
| Maximum Marks | 4 Marks |

**Functional requirements:**

Following are the functional requirements of the proposed solution

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| 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  Jupiter 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.

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| **NRF.NO** | Non-Functional Requirement | Description |
| **NRF-1** | Usability | Due to the early detection of liver disease ,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. |