# PROJECT DESIGN PHASE-II

**SOLUTION REQUIREMENTS (FUNCTIONAL & NON-FUNCTIONAL)**

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| DATE | 22 November 2022 |
| TEAM ID | PNT2022TMID25156 |
| 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 | As a user, I can register for the application by entering my email, password, and confirming my password. |
| FR-2 | Parameters of data | The user wants to enter the parameter in order to predict the disease |
| FR-3 | Algorithm | By using the classification algorithm, we can easily the predict the disease |
| FR-4 | Determine and predict the Output | The predicted output is then analysed and converted to a user-friendly language |
| FR-5 | Display the output | The analysed result is then displayed to the user |

# Non-functional Requirements:

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Datasets of all the liver is used to detecting the disease that present in the liver. |
| NFR-2 | **Security** | The information belongs to the user and liver are secured highly. |
| NFR-3 | **Reliability** | It is important for predicting the disease in liver. |
| NFR-4 | **Performance** | The performance is based on the technology used for disease prediction |
| NFR-5 | **Availability** | It is available for all user to predict the disease in the liver. |
| NFR-6 | **Scalability** | Increasing the prediction of the disease in the liver |