Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID22747 |
| Project Name | Project - Visualizing and Predicting Heart Diseases  with an Interactive Dash Board |
| 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  Registration through Gmail Registration through Google |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User Health Condition | * Cholesterol * Diabetes * Blood Pressure * Heart Rate * Oxygen Level * Obesity * Medical history |
| FR-4 | User Symptoms | * Increased Heart rate * Difficulty in breathing * Chest, arm and Shoulder Pain * Precipitation |

# 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** | People can predict their health conditions at any  time even when the doctor is not available. It is user friendly. |
| NFR-2 | **Security** | The entire health report of the patient is completely  authenticated. |
| NFR-3 | **Reliability** | Since, we use the Naïve Bayes algorithm we can get  of accurate results. |
| NFR-4 | **Performance** | It provides us with 98% Accuracy and also give us  faster results. |
| NFR-5 | **Availability** | It is available at anyplace and at anytime where  there is a decent bandwidth. |
| NFR-6 | **Scalability** | Our system could perform well and maintain its performance even if it is tested by large operational  demands. |