**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 31 October 2022 |
| Team ID | PNT2022TMID51005 |
| Project Name | 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 LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User verification | Verification through CAPTCHA Verification through I’m  not a robot |
| FR-4 | User Authentication | Recognition of correct person Resending the code in  case of forgot password |
| FR-5 | User validation | Reconfirming the new password Sending a two digit number in (Google account) your Old devices, so that you can enter into a new device By entering the two  digit number |
| FR-6 | User Submission | Submission through Google form Submission through  Email. |

**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** | An intuitive graphical user interface will be provided for the application. All of the application's features will be easy for users to understand and use. It must simply take a few clicks to do any task. |
| NFR-2 | **Security** | The application's security should make use of the database replication approach to guarantee the protection of all essential data.In the event of a system failure, data backup and recovery must be possible. |
| NFR-3 | **Reliability** | The programme must function flawlessly in all circumstances and across all environments. |
| NFR-4 | **Performance** | Response time and data submission speed are key factors in how well an application performs. Because the implemented algorithm is effective, the application responds more quickly and directly. |
| NFR-5 | **Availability** | The application must be accessible to users 24 hours a day, seven days a week, without interruption. |
| NFR-6 | **Scalability** | The application must be able to handle a rise in the number of users and generate higher versions. |