**Project Design Phase-II**

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

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| Team ID | PNT2022TMID04459 |
| Project Name | Visualizing and Predicting Heart  Diseases with an Interactive Dashboard |

**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 | User Registration using Email |
| FR-2 | User Confirmation | User Confirmation through Email |
| FR-3 | Visualizing Data | Visualize the presence of heart disease through Dashboard created using IBM Cognos Analytics |
| FR-4 | Generation Report | Users have the access to view their reports |

**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 | Simple User Interface with easy access to contents  User friendly features |
| NFR-2 | Security | Maintain a secondary/backup dataset  User reports are kept safely |
| NFR-3 | Reliability | Must work without error or minimum error |
| NFR-4 | Performance | It is affected by the implementing algorithm. Depending on the error metrics we have to choose an algorithm with high response time. |
| NFR-5 | Availability | Need to be available for the user 24 x 7 without interruptions  Should identify all type of heart disease |
| NFR-6 | Scalability | Should handle a high number of request/users at same time and large datasets. |