# Project Design Phase-II
## Solution Requirements (Functional & Non-functional)

| Date | 05 November 2022 |
| --- | --- |
| Team ID | PNT2022TMID12687 |
| Project Name | Visualizing and predicting Heart Diseaseusing interactive dashboard |
| Maximum Marks | 4 Marks |

**TEAM MEMBERS:**
1. LOVELY.M
2. VISHALI.R
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**1. Functional**

**Requirements:**

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
| --- | --- | --- |
| FR-1 | User Registration | Registration through Form<br>Registration through GMail<br>Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email<br>Confirmation via OTP |
| FR-3 | Personal details for account | They have to enter their personal details. |
| FR-4 | Regular medical condition | Enter the medical details and reports required. |
| FR-5 | Doctor consultation | Get the doctor's consultation. |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
| --- | --- | --- |
| NFR-1 | Usability | As usability is a prerequisite for success of health and wellness mobile apps, our proposed solution aims to provide insights and suggestions for improving usability and experience of the mobile health app. |
| NFR-2 | Security | A proposed solution can empower patient, streamline communication, and provide real time monitoring and self ,management of medical |

| | | condition by building a secure app that puts security, privacy and authentication. |
|---|---|---|
| NFR-3 | Reliability | Measuring reliability can improve the quality and value of health care apps. Our proposed solution will provide accurate prediction of disease with a lower risk of errors that cause harm to user and reduces the death rate. Our solution provides safety to user's data with lot of benefits simply in home which is efficient without wasting equipments, supplies ,ideas and energy |
| NFR-4 | Performance | The performance of this project is to reduce heart disease death rate by earlier accurate disease prediction. Our solution offers services such as disease prevention, diagnosis and treatment and rehabilitation. |
| NFR-5 | Availability | Availability is important because while there are often shortages in human resources , deployed providers are frequently inappropriately absent or , when present, are not actively delivering health care because they are engaged in other duties. |
| NFR-6 | Scalability | It can be integrated with smart watch and apps for further advancement which is very helpful for earlier prediction. |