SOLUTION REQUIREMENTS

TEAM ID	PNT2022TMID29954
PROJECT TITLE	Visualizing and Predicting Heart Diseases with an Interactive Dashboard
TEAM LEAD TEAM MEMBER 1 TEAM MEMBER 2 TEAM MEMBER 3	DIVYA G TASMIYA S BRINDHA N DIVYABALA C

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 Gmail Registration through Mobile Number
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 Mobile Number Submission through Email.

NON-FUNCTIONAL REQUIREMENTS

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The EHDPS predicts the likelihood of patients gettingh eart disease. It enables significant knowledge relationships between medical factors related to heart disease and patterns, to be established.
NFR-2	**Security**	When it deals with health factors, we should provide more security services. There shouldn't be no errors, lagging, base of data of a patient profile, while working on the software or product.
NFR-3	**Reliability**	Reliability is said to be the measure of stability or consistency of test scores shown in your product. Therefore, your product will normal as a good performance one in the field of accuracy.
NFR-4	**Performance**	• The performance should be fast relaying • This prediction system should be made available in cloud to ensure better accessibility and setting a milestone in providing good quality affordable healthcare.
NFR-5	**Availability**	The Availability of getting used to this software or product design is through by accessing IBM Cognos Analytics and IBM cloud.
NFR-6	**Scalability**	It is based on the number of users who maintainingthe software or a system according to its performance like workflow, increase or decrease in efficiency, response time etc. Its scalability can be measured by maintenance, checking in for softwa re updates, fixing errors if occurred in server. By this a good quality of product is determined.

IBM COGNOS- ANALYTICS

IBM Cognos Business Intelligence is a web-based integrated business intelligence suite by IBM. It provides a toolset for reporting, analytics, score carding, and monitoring of events and metrics. The software consists of several components designed to meet the different information requirements in a company. IBM Cognos has components such as IBM Cognos Framework Manager, IBM has undergone a large number of mergers and acquisitions during a corporate history lasting over a century; the company has also produced a number of spinoffs during that time.

The acquisition date listed is the date of the agreement between IBM and the subject of the acquisition. The value of each acquisition is listed in USD because IBM is based in the United States. If the value of an acquisition is not listed, then it is undisclosed.

With IBM Cognos Go! Dashboard, interactive dashboard containing IBM Cognos content and external data sources can be created to fit the information needs of an individual user.

The items can be added to a dashboard: Report objects, they are displayed in a Cognos Viewer portlet. Report parts such as lists, crosstabs, and charts are displayed in interactive portlets. Lists or crosstabs can be displayed as a chart and vice versa. Content can be shown or hidden dynamically by the use of sliders and checkboxes. The Cognos Search portlet allows searching for published content. In addition, Web links, Web pages, RSS feeds, and images can be displayed on the dashboard content. In addition, Web links, Web pages, RSS feeds, and images can be displayed on the dashboard.

The user interface has two modes:

- In the interactive mode, existing dashboards are viewed and interacted with,
- creating and editing of dashboards can be done in assembly mode.