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

Date	20 October 2022
Team ID	PNT2022TMID35954
Project Name	Project - Visualizing and Predicting Heart Diseases with an Interactive Dashboard
Maximum Marks	4 Marks

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 Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Verification	Verification through CAPTCHA
FR-4	User Authentication	Resending the code incase of a forgotten password, Retyping password
FR-5	User Validation	Reconfirming the new password
FR-6	User Submission	Submission through form 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 getting heart disease. It enables significant knowledge, eg, relationships between medical factors related to heart disease and patterns, to be established.
NFR-2	**Security**	When it comes to health factors, we should provide good security services. There should 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 this product will normally be a good performing 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 maintaining the software or a system according to its performance like workflow, increase or decrease in efficiency , response time etc. It scalability can be measured by maintenance, checking in for software updates, fixing errors if occurred in the server. By this a good quality product is got.