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

Date	03 October 2022
Team ID	PNT2022TMID21560
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	training	dataset upload to train the model
FR-4	Tracking inputs	pulse, body temperature etc are measured and sent to a fixed device charge of the wearable device tracking
FR-5	test and output	based on user trained model, output is displayed

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Wearable devices should be comfortable. All of the pages on a website or mobile application should have the same look and feel. Navigations and UI should be simple and easy to use.
NFR-2	**Security**	The user credentials and their personal information on their body vitals should be kept confidential.
NFR-3	**Reliability**	Our system's cloud component needs to be operational at least 99.5% of the time in order to respond to requests from websites and mobile devices.Fault tolerance should be high.
NFR-4	**Performance**	All sensor data connected to the wearable device should be able to reach the fixed device in less than a second. The wearable gadget should be able to keep up with the rate of sensor data flow.
NFR-5	**Availability**	The system's monitoring and maintenance should be fundamentally focused. It shouldn't be the case that there are too many jobs running on several

		machines, making it difficult to monitor if they are uninterrupted.
NFR-6	**Scalability**	maintaining multiple users data, sensors accuracy, data transmission rate, increase or decrease of storage etc are monitored.