

**PROJECT DESIGN PHASE-II**

**SOLUTION REQUIREMENTS(FUNCTIONAL &NON FUNTIONAL)**

<b>DATE</b>	<b>09 NOVEMBER 2022</b>
<b>TEAM MEMBERS</b>	<b>Sabatham , Ganga, Susika, Sneha priscilla</b>
<b>PROJECT NAME</b>	<b>Classification of Arrhythmia Using Deep Learning with 2D ECG Spectral image representation</b>
<b>MAXIMUM MARKS</b>	<b>4 Marks</b>

**FUNCTIONAL REQUIREMENTS:**

Following are the functional requirements of the proposed solution.

<b>FR No.</b>	<b>Functional Requirement (Epic)</b>	<b>Sub Requirement (Story / Sub-Task)</b>
FR-1	User Registration	Registration through Form , Registration through Gmail
FR-2	User Confirmation	Confirmation via Email , Confirmation via OTP
FR-3	Get User Input	Upload image as jpeg , Upload image as png
FR-4	Save Image	Images are saved in the uploads folder
FR-5	Chat with Doctor	Consult with Doctor
FR-6	Report Generation	Get complete Report

**NON-FUNCTIONAL REQUIREMENTS:**

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

<b>FRNo.</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
NFR-1	<b>Usability</b>	Classification of Arrhythmia with the help of AI.
NFR-2	<b>Security</b>	User's data cannot be accessed by unauthorized people.
NFR-3	<b>Reliability</b>	The system performs without failure.
NFR-4	<b>Performance</b>	High accuracy.
NFR-5	<b>Availability</b>	Anyone who is authorized.
NFR-6	<b>Scalability</b>	Does not affect the performance even though.