

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

Date	03 October 2022
Team ID	PNT2022TMID27823
Project Name	VirtualEye – Life Guard for Swimming Pools to Detect Active Drowning.
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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Drowning Person Alert	Alert through Signal Alert through Buzzer
FR-4	Helps Drowning Person	Saves through Hooks Saves through Life Guards
FR-5	Treat The Drowning Person	Send to Nearby Hospital Send to Nearby Clinic

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	This web application consists of Simple and Graspable User Interface with better user Experience.
NFR-2	<b>Security</b>	Each user has their own Login Credentials and their data are securely stored in the Cloud Database.
NFR-3	<b>Reliability</b>	Since it is a web application and stores data in cloud database, runs unambiguously without error or failure.
NFR-4	<b>Performance</b>	The application runs on cloud and takes less time to render the application on the browser.
NFR-5	<b>Availability</b>	The web application is always available on the browser and it is cost free.
NFR-6	<b>Scalability</b>	The web application allows multiple users to access at the same time without any hang or delay.