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

Date	09 November 2022
Team ID	PNT2022TMID25952
Project Name	Project - 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 Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Alarm system	Monitor and detect the drowning person Alert the lifeguard by trigger the alarm
FR-4	Output	Visual representation Image detection Report generation

Non-functional Requirements:

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

FR	Non-Functional	Description
No.	Requirement	
NFR-	Usability	Eco – Friendly
1		
NFR-	Security	Observing each and every body movement of the swimmers.
2		
NFR-	Reliability	Suitable for all the swimming pools.
3		
NFR-	Performance	Life guard can visually access the developing situation within seconds of
4		the event first occurring and initiate the rescue procedure when
		necessary
NFR-	Availability	24/7 monitoring cameras.
5		
NFR-	Scalability	Its comfortable for all swimmers. The lifespan is high. Work more
6		efficiently.