Date	25 October 2022
Team ID	PNT2022TMID19839
Project Name	Virtual eye – lifeguard for swimming pools foractive 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	Installation	Needed to be fixed under the water without creatingany disturbance to the people in theswimming pool.
FR-2	Deduction	Either horrified or in unconscious
FR-3	Audio	Ask for help or stay quiet if the person isunconscious
FR-4	Support	Take swim tubes or take the help of rescuer
FR-5	Prior Alert	Send alert message to the lifeguard

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	To ensure the safety of each and every person present in thepool. A Lifeguard should bepresent all the time in the pool.

NFR-2	**Security**	Lifeguards should be aware of the alertmessage to save thelife of the swimmer
NFR-3	**Reliability**	Virtual eye lifeguard triggers an immediateprior alarm if a swimmer is in peril, helping to avoid panic even in critical situations.
NFR-4	**Performance**	The alarm is triggered when the swimmer's pulse rate isdecreasing
NFR-5	**Availability**	Equipment and accessories include lifesaver rings, inflatable vests, aShepherd's Crook, lifehooks, spine boards, rescue tubes, and a first aid kit. Remember to keep themaccessible to quickly pull someone from the water safely.
NFR-6	**Scalability**	Virtual eye lifeguard detects potential drownings and promptly notifies you. It features the latest artificial intelligence technology and adapts tothe needs of the user.