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

Date	03 October 2022
Team ID	PNT2022TMID00640
Project Name	Project – Virtual Eye – 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	User Details	Registration through Form Registration through Gmail Registration through LinkedIN
FR-4	Payment Details	Pay through GPay Pay through PhonePe Pay through Debit Card or Cash

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Eco-Friendly.
NFR-2	**Security**	Observing each and every body movements of the swimmers.
NFR-3	**Reliability**	Suitable for all the swimming pools .
NFR-4	**Performance**	Life guards can visually assess the developing situation within seconds of the event first occurring, and initiate the rescue procedure when necessary.
NFR-5	**Availability**	24/7 monitoring cameras.
NFR-6	**Scalability**	This is suitable for all swimming pools (new or existing pools) for any shapes, sizes and any construction types.