

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

Date	03 October 2022
Team ID	PNT2022TMID30129
Project Name	Project – Virtual Eye – Lifeguard for Swimming Pool 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/Login	Via Email Via Phone number
FR-2	User confirmation	Confirmation Via OTP Confirmation Via Email
FR-3	User location	User location will be detected.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Eco-friendly and user-friendly
NFR-2	Security	Acts as a life guard for swimmers
NFR-3	Reliability	Suitable for all swimming pool and can be used by all swimmers
NFR-4	Performance	It can detect the body movements of a drowning person which has a high accuracy rate.
NFR-5	Availability	It is accessible at any time.
NFR-6	Scalability	It works more efficiently the life span is high which is comfortable for all users.