

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

Date	14-10-2022
Team ID	PNT2022TMID28319
Project Name	<i>virtual Eye -Life Guard for Swimming Pool to Detect Active Drowning</i>
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 Requirements	Detect and Protect people from drowning by virtual eye
FR-2	User Registration	Manual Registration Registration through webpage Registration through Form Registration through Gmail
FR-3	User Confirmation	Confirmation via Phone Confirmation via Email Confirmation via OTP
FR-4	Payment Options	Cash on Delivery Net Banking/UPI Credit/Debit/ATM Card
FR-5	Product Delivery and Installation	Door Step delivery Take away Free Installation and 1 year Warranty
FR-6	Product Feedback	Through Webpage Through Phone Calls Through Google forms

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Have a clear and self-explanatory manual. Easier to use. Easily accessible by everyone.
NFR-2	Security	Are inspected monthly by the Technician. Inspected and tagged by a contractor annually.
NFR-3	Reliability	Hardware requires a regular checking and service .Software may be updated periodically. Immediate alert is provided in case of any system failure.
NFR-4	Performance	The equipment must have a good user interface It should have a minimal energy requirement It must save lives of people and things
NFR-5	Availability	All the features will be available when the user requires. It depends on the need of the user and the customization of the user has done.
NFR-6	Scalability	The product must cover all the space of industry irrespective of the size or area.