

## Project Design Phase-II

### Functional Requirements

Date	21 October 2022
Team ID	PNT2022TMID37847
Project Name	Virtual Eye-Life Guard 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 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 DeliveryNet 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.

<b>FR No.</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
NFR-1	<b>Usability</b>	Have a clear and self-explanatory manual. Easier to use. Easily accessible by everyone.
NFR-2	<b>Security</b>	Are inspected monthly by the Technician. Inspected and tagged by a contractor annually.
NFR-3	<b>Reliability</b>	Hardware requires a regular checking and service .Software may be updated periodically. Immediate alert is provided in case of any system failure.
NFR-4	<b>Performance</b>	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	<b>Availability</b>	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	<b>Scalability</b>	The product must cover all the space of industry irrespective of the size or area.