

Project Design Phase-II

Functional Requirement

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 Via Email Registration Via phone number |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP Create and store the data |
| FR-3 | Alarm system | Monitor and detect the drowning person Alert the lifeguard by trigger the alarm |
| FR-4 | Output | Visual representation Image detection Report generation |

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 movement of the swimmers. |
| NFR-3 | Reliability | Suitable for all the swimming pools. |