

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

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

- The system must allow users to log into their account by entering their email and password.
- The system must allow users to log in with their Google accounts.
- The system must allow users to reset their password by clicking on "I forgot my password" and receiving a link to their verified email address.