# PROJECT PHASE II

# FUNCTIONAL REQUIREMENTS

| Date | 22 October 2022 |
|---|---|
| Team ID | PNT2022TMID04763 |
| Project Name | **IoT Based Safety Gadget for Child Safety Monitoring and Notification** |
| 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 | Registration through Form Registration through Gmail Registration through Mobile NumberRegistration in person |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Notification | Email and SMS message |
| FR-4 | User Interface | Mobile application for parents Web interface for registrations,Recording,Tracking,Information and payment |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | Usability | To find out whether the child breaches the geofence or not, if it crosses the parent or guardian of the child gets an alert via notification. |
| NFR-2 | Security | HIPAA regulations for database security must be followed. There are also plans for additional security protocols and measures. |
| NFR-3 | Reliability | Data is backed up in advance in case of server crash. Unless the password has been preserved in the Google account, the web page logs out automatically. |
| NFR-4 | Performance | The reliability of the internet is crucial for transactions. The strength of the internet determines the transaction speed. |
| NFR-5 | Availability | Available all around the globe,and requires an internet source. |
| NFR-6 | Scalability | When memory is retained temporarily, it can be scaled up to keep records in the future. |