**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID07818 |
| Project Name | Project - IOT Based Safety Gadget for Child safety Monitoring & Notification |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | user login | login through User Id  login through Password |
| FR-4 | network connectivity | connect via wifi  connect via mobile data  Internet connection with atleast 2Mbps |
| FR-5 | cloud database | Access cloud storage via internet |
| FR-6 | Global system for mobile communication | connects to the network via the subscriber identity module(SIM) , It provides the network connectivity with GSM |

**Non-functional Requirements:**

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | it can track and monitor the location of the child |
| NFR-2 | **Security** | The cloud database is highly secured to prevent data from hacking |
| NFR-3 | **Reliability** | Assure the safety of the children. |
| NFR-4 | **Performance** | Easily Monitoring the children with safety and health |
| NFR-5 | **Availability** | To check the temperature, Pulse rate, Heart beat etc... |
| NFR-6 | **Scalability** | recognition of the child that makes up a solution and ensure communication between them |