**Project Design Phase-II**

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

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| Team ID | PNT2022TMID50776 |
| Project Name | Project – IoT BASED SAGETY GADGET FOR CHILD SAFETY MONITORING AND 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 | Install the app.  Signing up with Gmail or phone numbers |
| FR-2 | User Confirmation | Verification via Gmail or OTP |
| FR-3 | Notification | Mobile app |
| FR-4 | Database | Database containing childs location |
| FR-5 | User interface | Mobile app- to see location of childrens when they are out of their range. |
| FR-6 | Sensor | Pulse sensor, Temperature sensor |

**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** | The device can be used by parents to track of their children. |
| NFR-2 | **Security** | Providing permission for some information only be decided by the used to parents. |
| NFR-3 | **Reliability** | Easy to use, Portable |
| NFR-4 | **Performance** | Good performance of children when they are out of their sight. |
| NFR-5 | **Availability** | Children need to carry mobile phones in order to contact their parents. |
| NFR-6 | **Scalability** | Reliable and cost effective |