**Project Design Phase-II**

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

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| Date | 29 October 2022 |
| Team ID | PNT2022TMID32971 |
| 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.

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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 | Authentication | Authentication is a key agreement for data confidentiality |
| FR-4 | User network | Routing security,communication security |
| FR-5 | Notification | Notification through the smart devices |
| FR-6 | Sensor | Wireless sensor,temperature sensor used to tracking the child |

**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** | User based through mobile app showing notification. |
| NFR-2 | **Security** | To prevent a system from a number of childrens.It identifies the wireless software and protects it from children. |
| NFR-3 | **Reliability** | The aim is to analyse a product reliability so that customer can avail its utility. |
| NFR-4 | **Performance** | Performance test can be defined as process that determines how fast the system performsunder a certain load condition. |
| NFR-5 | **Availability** | Product or services availability based on geographic location. |
| NFR-6 | **Scalability** | The process must be flexible use at anytime and any location. |