**Project Design Phase-II**

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

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| Date | 23 October 2022 |
| Team ID | PNT2022TMID19635 |
| Project Name | Project - 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 Requirements | To ensure the children's safety, a smart gadget will be supplied to the parents or guardians. |
| FR-2 | User Registration | Manual sign-up using a website or Gmail |
| FR-3 | User Confirmation | Confirmation by phone  Confirmation through email  OTP verification |
| FR-4 | Payments options | No money is needed. |
| FR-5 | Product Delivery and installation | According to the parent's and children's circumstances, the installation charge will be decided. |
| FR-6 | Product Feedback | through a webpage using Gmail |

**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** | Have self-explanatory products that are easy to use and have clear product instructions. |
| NFR-2 | **Security** | It is necessary to get cloud data through the network, avoid collapsing and real-time avoidance and keep an eye on the device at all times. |
| NFR-3 | **Reliability** | Hardware is regularly examined. |
| NFR-4 | **Performance** | The smart device will give accurate output and a better user experience. |
| NFR-5 | **Availability** | Depending on the requirements of the user, all required functions will be offered.. |
| NFR-6 | **Scalability** | The product must ensure that all child safety requirements are met because it is based on child safety. |