**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID18337 |
| 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 Registration | Registration through account |
| FR-2 | User Confirmation | Registration through Gmail |
| FR-3 | User Notification | Confirmation via Email |
| FR-4 | User location check | Confirmation via OTP |

**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** | Allows parents to keep a track of their child's location and, help them |
| NFR-2 | **Security** | raise an alarm in case of an emergency. |
| NFR-3 | **Reliability** | Creates a secure environment for |
| NFR-4 | **Performance** | children to move around. |
| NFR-5 | **Availability** | Increased reliability towards technology and reduced reliability |
| NFR-6 | **Scalability** | towards guardians. |