**Project Design Phase-II**

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

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| Date | 15 October 2022 |
| Team ID | PNT2022TMID37374 |
| Project Name | Child safety and monitoring system |
| 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 and phone number |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Create Profile | Getting Personal Detail with area ,location, and pincode |
| FR-4 | Profile Confirmation | Confirmation via Email  Confirmation via Message |
| FR-5 | Geo-Fencing | Plotting the marks of the location using altitude and longitude |

**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** | Monitoring and Tracking the child’s Location |
| NFR-2 | **Security** | Sending notification message to the parents and caretakers through messages. |
| NFR-3 | **Reliability** | Provide accurate Location of the child |
| NFR-4 | **Performance** | Updating the child’s location minute by minute |
| NFR-5 | **Availability** | Available 24/7 |
| NFR-6 | **Scalability** | No problem will be faced in the server during increased demand |