Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 07 NOVEMBER 2022 |
| Team ID | PNT2022TMID08472 |
| 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 Form  Registration through Gmail Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Notification | Notified via Mobile App |
| FR-4 | User Interface | Mobile App- MIT App Inventor Able to see location of children when they are out of geofence |

# 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** | Accessed through Mobile App Showing location (latitude and longitude) of child |
| NFR-2 | **Security** | Database security must meet HIPAA requirements |
| NFR-3 | **Reliability** | Once logged in ,webpage is available until logging out |
| NFR-4 | **Performance** | Each page must load within 2 seconds |
| NFR-5 | **Availability** | Can be available at all time 24/7 |
| NFR-6 | **Scalability** | The process must finish within 3 hours so data is available by 8 a.m. local time after an overnight update |