Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	3 october 2022
Team ID	PNT2022TMID30760
Project Name	IoT Based Safety Gadget For Child Safety monitoring & Notification
Marks	4 marks

Functional Requirements:

Following are the functional requirements of the proposed solution

FR.NO	Functional requirements	Sub Requirements(Story/Sub-Task)
FR-1	User registration/login	Registration through Gmail
FR-2	Create site details	Module records only user and password of the user
FR-3	View GPS Location	The android application users google GPS location map services to locate their child's location
FR-4	Manage site	Parents are manage the sites details
FR-5	Notification	Receive SMS and Email from child in emergency time
FR-6	Sos button-for emergency	Alert them if the child is in danger to the parents

Non-functional requirements

Following are the non-functional requirements of the proposed solution

FR.NO	Non-Functional requirements	Description
NFR-1	Usability	Ease of use and user friendly interface
NFR-2	Security	App operation and use of safety requirements related to access control,private data processing And external attack risk reduction
NFR-3	Reliability	App behavior in case of alarm status

NFR-4	Scalability	It ways to expand the system and avoid adversely affected performance
NFR-5	Performance	How many simultaneous users or transaction the system is to service and it's response
NFR-6	Availability	Requirements for app continuous running