PROJECT DESIGN PHASE-II

Solution Requirements

Date	13 October 2022
Team ID	PNT2022TMID08691
Project Name	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.

FR.NO	FUNCTIONAL REQUIREMENTS	SUB REQUIREMENTS
1	External Interfaces	These requirements include interaction logic between software and user, screen layouts, buttons, functions on every screen, hardware interfaces (here a team describes what devices the software is created for), and other relevant particularities.
2	Reporting	Reporting Requirements means any applicable laws, rules, regulations, instruments, orders or directives and any requirements of a regulatory or supervisory organization that mandate reporting and/or retention of safety and similar information.
3	Authentication	The system sends an approval request after the user enters personal information.

4	User Interface	It should be the connector between the various systems or between other part or unit of the system.
5	Software interface	This includes embedded application that will used in supporting the various functions of the system Eg: GPS, Web Server and Database.

NON-FUNCTIONAL REQUIREMENTS:

Following are the non-functional requirements of the proposed solution.

NFR.NO	NON FUNCTIONAL REQUIREMENTS	EXPLANATION
1	Usability	Usability is a non-functional requirement, because in its essence it doesn't specify parts of the system functionality, only how that functionality is to be perceived by the user, for instance how easy it must be to learn and how efficient it must be for carrying out user tasks.
2	Security	Security is a non-functional requirement assuring all data inside the system or its part will be protected against malware attacks or unauthorized access.
3	Reliability	Reliability is the extent to which the software system consistently performs the specified functions without failure. ELICITATION: Reliability requirements address the user concern for the system's immunity to failure.
4	Performance	The website's load time should not be more than one second for users.
5	Availability	Employers can post jobs on the website throughout the week at any time during

			the day.
6	Scalability		Scalability is the ability of the application to handle an increase in workload without performance degradion, or its ability to quickly enlarge.