Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	22 October 2022
Team ID	PNT2022TMlD33201
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	4 Marks

Functional Requirements :

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through
FR-2	User Confirmation	Confirmation via Email/SMS Confirmation via OTP
FR-3	Child information	Child Name, Address, Number,Alternative Number
FR-4	Location	GPS Module, WIFI Module
FR-5	Sensors	Temperature, Heart Rate ,Motion
FR-6	Notification	When crossing Geo Fence

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	This device is used help the child from critical situation
NFR-2	**Security**	Data is secure , Information don't share anyone
NFR-3	**Reliability**	This project will help the parent to monitor the child's location and send a notification to the parents or guardians.
NFR-4	**Performance**	● IOT devices and sensors are used to indicate the parents through a message if the child ● press the emergency button. ● Long battery life and accuracy
NFR-5	**Availability**	All the time availability until battery goes low

NFR-6	Scalability	● Since this system helps easy to know child exact activities ● Show Current location ● We include panic button so when child goes danger parents will notify

Thank you !!!