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

Date	15 October 2022
Team ID	PNT2022TMID11128
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	**User Requirements**	Cost friendly device. Detect location easily. Easy to use the device.
FR-2	**User Registration**	Manual Registration Through webpageRegistration Through Form Registration Through Gmail
FR-3	**User Confirmation**	Confirmation via Email Confirmation via OTP
FR-4	**Payment Options**	Cash on Delivery Pay via Net Banking/UPI Credit/Debit/ATM Card
FR-5	**Product Delivery**	The Product will be delivered to the customer at the door step on time.
FR-6	**Product Feedback**	Through Webpage Through Google forms Through Email

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Have a clear product instruction and self- explanatory manual. Easier to use. Our product usage is to track the child location and sent notification.
NFR-2	**Security**	To avoid the critical situation of the child by using GPS location and by our gadget the child location can be easily detected and the information will be saved in gadget.
NFR-3	**Reliability**	Hardware requires a checking and service Immediate alert is provided in case of any system failure
NFR-4	**Performance**	Simple to wear the gadget and tracking the child location constantly and deliver the information to the child's parent through notification.
NFR-5	**Availability**	All the features will be available when the use requires. It depends on the need of the child's parents and the customization the user has done.
NFR-6	**Scalability**	Our system can operated over various network providing a received signal strength indication and without any modification.