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

Date	16 October 2022
Team ID	PNT2022TMID17225
Project Name	Project -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 Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3		
FR-4		

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The parents will have the satisfaction that their child is safe and not involved in any critical situation even in their absence.
NFR-2	**Security**	Location of the child is tracked only by the authorised people(Parents).
NFR-3	**Reliability**	It would definitely be easier for parents if they get reliability on safety of children. This would

		encourage them to work vigorously on other application components so that the safety of the child would enhance more.
NFR-4	**Performance**	able to detect location properly and device sends notifications properly.
NFR-5	**Availability**	Device tracks and sends the location within 10 seconds and sends notification in case of any emergency within 30 seconds
NFR-6	**Scalability**	Child safety monitoring is a guardian angel for the parents who can have the exact location of their child which helps to protect the child from any critical situations. So we resolve the problems like low noise notification, high standard geofencing and since we store data in the cloud it can be retrieved when needed.