

## SOLUTION REQUIREMENTS (Functional&Non-functional)

Date	16October2022
TeamID	<b>PNT2022TMID27875</b>
ProjectName	IoTBasedSafetyGadgetforChildSafetyMonitoring &Notification
MaximumMarks	4Marks

### FunctionalRequirements:

Followingarethefunctionalrequirements of the proposed solution.

FRNo.	FunctionalRequirement (Epic)	Sub Requirement(Story/Sub-Task)
FR-1	User Registration	Registration in person. Registration through email Registration through phone number
FR-2	User Confirmation	Email SMS message Otp
FR-3	Notifications	Email SMS message Alert messages
FR-4	User Interface	Mobile app created for parents to track the gadget

### Non-functionalRequirements:

Followingarethenon-functionalrequirements of the proposed solution.

FRNo.	Non-FunctionalRequirement	Description
NFR-1	Usability	To track the child and monitor it's movements geographically and notify the parents.
NFR-2	Security	Highly secure protocols are applied to safe guard the information passed to the parent regarding the location.App is secured using password and is automatically logged out
NFR-3	Reliability	.Incase of crash in the application, the cloud saves all the important information.
NFR-4	Performance	The location is updated on real time and is reliable.
NFR-5	Availability	Available worldwide and can be bought over the internet.
NFR-6	Scalability	Provides location along with heart rate sensing and alert message sending options.