Functional requirements:

The functional requirements for the proposed solution are:

	Functional requirement	Description
1.	Continuous monitoring	To monitor the child's location continuously in school,park or other public places.
2.	Geofence	Create a geofence around the child's location and alert the parent or caretaker if the child crosses the geofence.
3.	Communicate and exchange information between the user and server	Continuously monitor the child's location and alert the parent or caretaker if the child crosses the geofence through fence.
4.	Notification	Notification alert sent through SMS
5.	User requirement	Easily upgrade to any environment Proper accuracy Low power consumption
6.	Network connectivity	The system will send the location information via 3G network or WiFi.
7.	Database	The entire location information will be stored as coordinates.
8.	Testing geofence	Set a geofence around the child's location and check for notification if the child crosses the geofence.
9.	Architecture	(Image)