PROBLEM STATEMENT

A smart IoT device for child safety and tracking is developed to help the parents to locate and monitor their children. The system is developed using LinkIt ONE board programmed in embedded C and interfaced with temperature, heartbeat, touch sensors and also GPS, GSM & digital camera m

What does the problem affect?	The overall percentage of child abusements filed nowadays in the world is about 80%, out of which 74% are girl children and the rest are boys. For every 40 seconds, a child goes missing in this world. Children are the backbone of one's nation, if the future of children was affected, it would impact the entire growth of that nation. Due to the abusements, the emotional and mental stability of the children gets affected which in turn ruins their career and future. These innocent children are not responsible for what happens to them. So, parents are responsible for taking care of their own children. But, due to economic condition and aims to focus on their child's future and career, parents are forced to crave for money. Hence, it becomes difficult to cling on to their children all the time. In our system, we provide an environment where this problem can be resolved in an efficient manner. It makes parents to easily monitor their children in real time just like staying beside them as well as focusing on their own career without any manual intervention.
What are the boundaries of the problem?	IoT SAFE provides a common mechanism to secure IoT data communications using a highly trusted SIM, rather than using proprietary and potentially less trusted hardware secure elements implemented elsewhere within the device
What is the issue?	This system provides a tracking solution for the parent to keep tracking their child's location outdoors by using GPS as it allows them to determine the exact location of the child. It, therefore, helps to minimize this tragedy to reoccur in the future.
When does the issue occurs?	Like in other industries, supervisors can use wearable sensors to track miners' movements and the movements of machinery to avoid collisions. Remote control of machines can assist both with safety and efficiency, allowing supervisors to shut down machines that are not in use to prevent wasted fuel and other resources
Where is the issue occurring?	This system provides a tracking solution for the parent to keep tracking their child's location outdoors by using GPS as it allows them to determine the exact location of the child. It, therefore, helps to minimize this tragedy to reoccur in the future.
Why is it important that we fix problem?	This paper presents when the child enters the school parents receive the message that the child entered the school. When the child is in danger parents the longitude and latitude details via SMS. They can even track the exact locations of the child by knowing the latitude and longitude data collected and parent

	can register the complaint to the surrounding nearby place