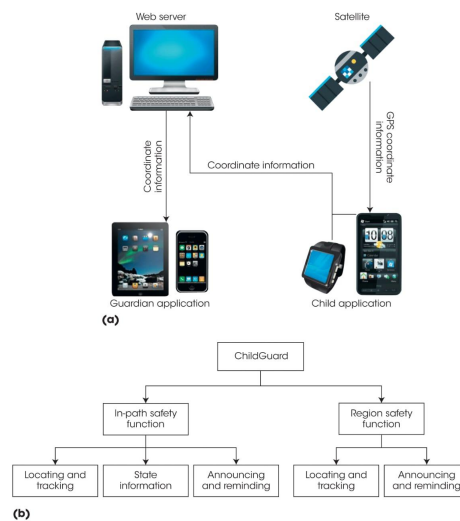# ABSTRACT

IoT Based Smart Gadgets For Child Safety Monitoring And Notification

This paper is based on IoT (Internet of Things). As we know in the present era everything is based on digital technology. Human beings are going to connect with each other by using mobile networks. This paper proposes an SMS based solution to reduce parents' insecurity and schools to track children in real time. Different devices are connected with a single device through. The concerned device is connected to mobile via SMS.

The device can be used by stockholders to track children and get real time data. The main Advantage of the proposed system is to send location by using a mobile network (GSM). Here a prototype model (device) is created which is hardware based. The work comprises ARDUINO UNO as microcontroller , along with GPS and GSM module. This device will also have the facility of different status of children by measuring the speed of hand movement of children.

With this motivation, 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 modules.