<u>Literature Survey</u>

IoT Based Safety Gadget For Child Safety Monitoring & Notification

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S.No	Title	Abstract	Reference
1	RFID-based System for School Children Transportation Safety Enhancement	To improve the safety of kids during everyday transit to and from school, we suggest a system to monitor pick-up and drop-off of school children. The bus unit and the school unit are the two basic components of the system. When a child enters or exits the bus, the equipment on the bus can detect it. This information is given to the school department, which determines which of the kids missed the bus or got off early and sends out an alert message in response. The system features a created web-based database-driven application that facilitates its operation and gives authorised staff relevant information about the kids. To verify the functionality of the suggested system, a full prototype was created and put to the test.	https://iopscience. iop.org/article/10. 1088/1742-6596/1362/1/0120 12/
2	Design and Development of an IOT based wearable device for the Safety and Security of women and girl children	The goal of this project is to create a wearable gadget for women and girls' protection and safety. By examining physiological signals in conjunction with bodily position, this goal is accomplished. The body temperature and galvanic skin resistance are the physiological signs that are examined. Obtaining raw accelerometer data from a triple axis accelerometer is used to calculate body position.	https://iopscience. iop.org/article/10. 1088/1742-6596/1362/1/0120 12/
3	Child Safety Wearable Device	Parents are not required to own a smart phone. In order to extract information from the kit, a set of keywords is used. To find the child's location, the keyword LOCATION is utilised. The UV keyword is used to determine the	https://iopscience. iop.org/article/10. 1088/1742-6596/1362/1/0120 12/

		ambient temperature. The buzzer that is fixed in that device can be activated using the keyword BUZZ. The device receives a signal using SOS.	
4	Smart Intelligent System for Women and Child Security	A transportable object with a pressure switch. The user can apply pressure to the device by squeezing or compressing it as soon as an attacker is preparing to attack the person or as soon as the person perceives any insecurity from a stranger. Instantaneously the pressure sensor detects this pressure, and a call is placed to the victim's parents' or guardian's mobile phone numbers that were put in the device at purchase, along with a regular SMS that includes the victim's location. The identical message will be delivered to the police if the call goes unanswered for an extended period of time.	https://iopscience.iop.org/article/10.1088/1742-6596/1362/1/012012/

Existing solution

A transportable object with a pressure switch. Child Abuse and Reporting System in Real-Time The alarm commands from the youngster are recorded and retained for future use in the voice recognition module of the current system. In the event that the same child issues the same command, it will compare it to the alert command that was previously recorded and adjust the emergency level in accordance with the alert command. The GSM features a SIM that is used to phone or send alarm messages to persons you can trust. When necessary, GPS is used to track the current location.