Literature Survey on

IoT Based Safety Gadget For Child Safety Monitoring & Notification

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ABSTRACT

Safety gadget is an developing technology in the field of Iot. This safety gadget project discusses the concept of a smart wearable device for little children. The major pros of this wearable over other wearable is that it can be used in any cellphone and doesn't necessarily require an expensive smartphone and not a very tech savvy individual to operate. The purpose of this device is to help the parents to locate their child with ease. Parents can create a geofence in a particular area they want like School, home, tuition etc. The parents will get an notification about the time they enter the geofence and leave. By this, parents know what is happening remotely and can take actions if something goes wrong. The future improvements of this device will be adding functions, software and child security features so that child safety is guaranteed.

JOURNAL	AUTHOR'S NAME	INFERENCE
Smart Wearable Device for Child Safety Using IOT.	HM SABAA FATHIMA, V. SENTHIL MURUGAN	The concept of the paper is a device to help the parents to locate their child with ease, The parent can send a text as SMS with specific keywords such as "LOCATION", "TEMPERATURE", "SOS", "BUZZ", etc., to the wearable device. The device will replay back with a text containing the real time accurate location of the child and will also provide the surrounding temperature, it has various sensors to detect child's status.
IoT-based Child Security Monitoring System	LAI YI HENG, INTAN FARAHANA BINTI KAMSIN	A smart band have been proposed to monitor the safety of children. By this, parents know what is happening remotely and can take actions if something goes wrong. The future improvements of this device will be adding functions and software to make it works like a phone such as messaging, gallery, Google, YouTube, meanwhile, adding more child security features so that child safety is guaranteed.
Implementation of IoT in Child Safety Wearable	ANGELINE REEBA KARKADA, VAISHNAVI M SHETTY, PREETHI SALIAN	The concept of the paper it uses a wearable device which help the parents to get notified if the child faces any unusual situation. It is implemented using a Raspberry Pi3 and the sensors. Sensors collect data and store in the server which can be sent to parents through android application.

Low Cost Intelligent Child Safety Wearable IoT Device for India	FIROZ KHAN, YASHAS S, SHIVANGOWDA R PATIL, NANDINI G J, GREESHMA P S	The concept of the paper is a smart wearable device for low cost which can be affordable for common people. This device is designed such that it monitors the child location and alerts the parents by sending SMS or voice message when the child moves out of the boundary. This paper describes the system which comprises of an MPU 6050 gyroscope, Node MCU microcontroller and other sensors, GPS receiver for smart and safe usage.
IoT Based Child Localization System	W. ANTO WIN SHALINI, J.LYDIA, DR.S.LEONES, SHERWIN VIMALRAJ	The concept of the paper is SMS text enabled communication medium between the child's wearable and the parent as the environment for GSM mobile communication is almost present everywhere, the wearable device will reply back with a text containing the real time accurate location of the child which upon tapping will provide directions to the child's location on google maps, another feature added to the device is HEART BEAT SENSOR which will monitor the child's heart beat and sends an intimation message to the parents once its removed from the child.