IoT based safety gadget for child safety monitoring And notification

Department of ECE,
PSG Institute of Technology and Applied Research,
Coimbatore.

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Mentor
Ms. Deepa M
Assistant Professor (Senior Grade),
Department of ECE,
PSG ITECH

Members
Akshara R T- 715519106001
Harshini A-715519106015
Sudarsana Samhita S-715519106053
Trinetra J- 715519106055

ABSTRACT

Child safety and tracking is of utmost importance as children are the most vulnerable. Children can become victims to harm, injury, violence and abuse as they are vulnerable by virtue of their young age and evolving capacities. Unfortunately, a child goes missing once every 10 minutes in India. With increasing crime rates such as child kidnaping, child trafficking, child abuse and so on, the need for an advanced smart security system has become a necessity, and thus our project aims at accomplishing the same.

LITERATURE SURVEY

TITLE	YEAR	AUTHORS	LEARNINGS
Intelligent Child Safety System using Machine Learning in IoT Devices	2020	Aparajith Srinivasan, Abirami S, Divya N	An intelligent system designed with an arduino, Raspberry Pi and sensors to detect changes in parameters like temperature and GSR(Galvanic skin response). It makes use of autonomous decision making process to improve accuracy.
Child Safety Wearable Device	2017	Akash Moodbidri, Hamid Shahnasser	A GSM based two way communication system, with the ability to track the exact location of the child via google maps. Also contains - SOS Light & a distress alarm to seek help from bystanders

LITERATURE SURVEY

TITLE	YEAR	AUTHORS	LEARNINGS
Design of Wearable Device for Child Safety	2021	M.Benisha, Thandaiah Prabu R, Gowri.M, Vishali.K	A MEMS based SMS enabled security system with GSM and GPS module along with an emergency panic button. For every 30 min duration, information is sent to the registered numbers
Enhance Safety and Security System for Children in School Campus by using Wearable sensor technology	2020	Dr. R. Kamalraj,Dr. E.S. Madhan,Ms. K. Ghamya, Ms. V. Bhargavi	RFID based enhanced security device using wearable sensors. In this proposed method two wearable sensors nodes such as ‘Staff Node’ and ‘Student Node’ are paired by using Bluetooth and Smart Watch technology

THANK YOU!