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| **IoT Based Safety Gadget for Child Safety Monitoring and Notification**  Team ID : **PNT2022TMID06420 LITERATURE SURVEY** | | | | | | |
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|  | **SI.No** | **AUTHOR** | **YEAR** | **JOURNAL NAME** | **ABOUT** |  |
| 1 | [N. Senthamilarasi](https://www.researchgate.net/scientific-contributions/N-Senthamilarasi-2166698126)  [N. Divya Bharathi](https://www.researchgate.net/scientific-contributions/N-Divya-Bharathi-2166691920) | 2012 | Child Safety Monitoring System Based on IoT | 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. |
| 2 | M Nandini Priyanka,  S Murugan,  K N H Srinivas, T D S  Sarveswararao, E Kusuma Kumari. | 2019 | International Journal of Innovative Technology and Exploring Engineering (IJITEE)  Smart IOT Device for Child Safety and Tracking  [https://www.ijitee.org/wp-](https://www.ijitee.org/wp-content/uploads/papers/v8i8/H6836068819.pdf) [content/uploads/papers/v8i](https://www.ijitee.org/wp-content/uploads/papers/v8i8/H6836068819.pdf)  [8/H6836068819.pdf](https://www.ijitee.org/wp-content/uploads/papers/v8i8/H6836068819.pdf) | The novelty of the work is that the system automatically alerts the parent/caretaker by sending SMS, when immediate attention is required for the child during emergency |
| 3 | Mr.Vinod Mane, Durgesh Musale, Rohan Joshi, Aditya Toney, Anand Pande, Shashank Kohade | 2020 | IoT Enabled Children Safety System (International Research Journal of Engineering and Technology (IRJET))  [https://www.irjet.net/archi](https://www.irjet.net/archives/V7/i1/IRJET-V7I143.pdf)  [ves/V7/i1/IRJET-](https://www.irjet.net/archives/V7/i1/IRJET-V7I143.pdf) [V7I143.pdf](https://www.irjet.net/archives/V7/i1/IRJET-V7I143.pdf) | It is a IOT based project and their approach is to monitor school bus in this new era of smart cities |
| 4 | Lai Yi Heng, Intan Farahana Binti Kamsin | 2021 | (Proceedings of the 3rd International Conference on Integrated Intelligent Computing Communication & Security (ICIIC 2021) IoT-based Child Security Monitoring System | Enable tracking of the child’s location and capturing of data remotely such as temperature, pulse, respiratory rate, quality of sleep and many more. To show the child's actual data  with reference values. |
| 5 | Fathima, N., Ahammed, A., Banu, R., Parameshachari, B.D  Naik, N.M | 2017 | Optimized neighbor discovery in Internet of Things (IoT).  ( International Conference on Electrical, Electronics, Communication, Computer, and Optimization Techniques (ICEECCOT) (pp. 1-5).  IEEE.) | This device helps in optimized discovery of the child using data collected |

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| 6 | Prakriti Agarwal, R Ramya, Rachana Ravikumar, Sabarish G, Sreenivasa Setty | 2020 | Survey on Child Safety Wearable Device Using IoT Sensors and Cloud Computing (International Journal of Innovative Science and Research Technology) | The design of this model involves developing a medium for communication between the parent/guardian and the child’s wearable device. The child’s location is tracked using GSM mobile communication to specify the location of the  child in real-time. |
| 7 | Mrs. P Chitra, Aarthi S, Anitha K, Angammal R, Abinaya D | 2022 | Monitoring and Prevention of Child Abuse Using IoT  [https://www.ijraset.com/re](https://www.ijraset.com/research-paper/monitoring-and-prevention-of-child-abuse-using-iot) [search-paper/monitoring-](https://www.ijraset.com/research-paper/monitoring-and-prevention-of-child-abuse-using-iot) [and-prevention-of-child-](https://www.ijraset.com/research-paper/monitoring-and-prevention-of-child-abuse-using-iot) [abuse-using-iot](https://www.ijraset.com/research-paper/monitoring-and-prevention-of-child-abuse-using-iot) | This paper focuses on the important issue of how people surrounding a missing child can assist the youngster and play a crucial role in the child's safety and health monitoring until they are reunited with their parents. |
| 8 | Dr. T. VP.  Sundararajan | 2018 | Activity Tracker Wrist Band for Children Monitoring using IOT | The children with Activity Tracker that has access to IOT monitoring and GSM technology keeps monitoring the children.  The system has sensors interfaced with the processor which keeps sensing the vital signals such as heart beat rate, temperature, etc. So whenever some perilous  situations arise there may be an indication to parents |
| 9 | Pietro Battistoni  \*ORCID,Monica SebilloORCID andGiuliana Vitiello | 2021 | An IoT-Based Mobile System for Safety Monitoring of Lone Workers | This paper proposes a distributed solution of Smart Personal Protective Equipment for the safety monitoring of Lone Workers by adopting low- cost electronic devices. In addition to the same hazards as anyone else, Lone Workers need additional and specific  systems due to the higher |

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|  |  |  |  | risk they run on a work site. To this end, the *Edge- Computing* paradigm can be adopted to deploy an architecture embedding wearable devices, which alerts safety managers when workers do not wear the prescribed Personal Protective Equipment and supports a fast rescue when a worker seeks help or an accidental fall is  automatically detected. |
| 10 | Fei Mingming , Shi Yanli | 2014 | Design and implementation anti-lost children system based on internet of things | In this paper, the current rapid development of society for children brought to this reality is lost, combined with existing and emerging technologies, Internet of Things inlife related application solutions proposed, which can be determined at any location to avoid the safety of children parents worry about other issues.  Although at present no specific implementation, and the idea is still preliminary stage, but levels of the method, rationality, practicality and applicability have good theoretical basis, and the method utilizes advanced technology, with good scalability and adaptability, with some room for development, there is a  certain profit margin. |