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| **S.NO** | **AUTHOR**  **NAME** | **TOPIC** | **YEAR** | **EXISTING**  **SYSTEM** |
| 1. | Chitra, jewel jose, sandeep, shirinidhishetty, A. | smart safety jacket for smallbaby | 2018 | Aim of the project is to develop a system especially for ensuring safety for small baby within the home environment when mother/guardian is busy with their stuff. This project has wide range of features and functionality such as security, different kinds of detection's like position, fire and gas leakage, temperature of concern baby and its movement. This will help mother/guardian to assure that baby is safe and secure by avoiding minor fall and kidnapping act. |
| 2. | AnandJatti, MadhviKannan, Alisha,RMVijayalakshmi, P ShresthaSinha | Design and Development of an IoT based wearable device for the Safety and Security of women and girl children | 2016 | This work field is all about to notice dangerous situation automatically without pressing any button, safeguard victim from criminal acts this can’t send message and GPS tracking not only when connected to internet, this can use nearby devices help like free Wi-Fi and Bluetooth signals. This field of work helps a lot of women about their safety and protecting |
| 3. | Anwaar Al-Lawati, Shaikha Al-Jahdhami | RFID-based System for School Children Transportation Safety Enhancement | 2015 | This paper is mainly streamed towards child safety solutions by developing a gadget which can be tracked via its GPS locations and also a panic button on gadget is provided to alert the parent via GSM module calling for help. Parental android app is developed to manage and track the device anytime. Smart gadget device is always connected to parental phone which can receive and make phone calls and also receive SMS on gadget via GSM module, also a wireless technology is implemented on device which is useful to bound the device within a region of monitoring range, if device is moving out of monitoring range then an alert will be triggered on binding gadget, this helps you keep a virtual eye on child. Health monitoring system on gadget checking for parameters like heart beat/pulse rate and temperature is included which can be monitored on parental app. Gadget also monitors whether it is plugged on hand or not using contact switch and alert the parent as soon as it is unplugged |
| 4. | E Kusuma Kumari, K N H Srinivas, M Nandini Priyanka, S Murugan and T D S Sarveswararao. | Smart IOT Device for Child Safety and Tracking. | 2019 | This research is conducted to propose a child security smart band utilizing IoT technology. Online questionnaire and semi-structured interview are methodologies used to collect data. The online questionnaire gains feedbacks by sending questions electronically, where answers need to be submitted online. In the semi structured interview, researcher meets and asks respondents some predetermined questions while other being asked are not planned in advanced. Through information obtained, 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. |
| 5. | Mr. Raghavendrachar S, Sunaina Nayak, Vishnupriya D, Ruba Abdul Rahman, Krithika K N | **Wearable Safety Device for Children** | 2013 | Attacks on children have been on the rise at an unprecedented rate in recent years, with victims finding themselves in perilous situations with little chances of contacting their families. The main goal of this project is to create a smart wearable device for children that uses advanced technology to ensure their safety. As a result, this strategy is perceived as sending an SMS from the children\'s wearable to their parents or guardians. This project employs cutting-edge technology to protect the youngster through the use of a GSM module, ensuring that the child does not feel abandoned while dealing with such social issues. An Arduino Nano, GSM, GPS, temperature sensor, heartbeat sensor, and a panic button will be included in the wearable. The heartbeat sensor detects the child\'s heart rate and delivers it to the guardian on a regular basis. If the child falls suddenly, the accelerometer detects it and alerts the parents. As a result, the parent has a sense of security. |