

- IOT Based Safety Gadget for Child Safety Monitoring & Notification

IDEA 1:

ABSTRACT:

- In this Project, we are going to prevent the child from the movement of the baby stroller.
- Whenever the parent lets go of the stroller's handlebar, the front wheel locks preventing it from rolling away.
- Once the parent touches the handlebar, the lock on the front wheel disengages and the stroller is free to move.
- To indicate the stroller is free to move, LED strips will be active.

ADVANTAGES

- Ensures safety
- Automatic braking system
- Preventing the stroller being run-away

DISADVANTAGES

- The use of electronics devices in strollers has not been properly implemented due to the bulkiness of the battery and the clutter mess of wires
- If the stroller is in motion and the battery used for the system reaches a critical level, the solenoid will lose power and extend the metallic rod
- This is the same as applying the brake and such an event could inadvertently cause the stroller to flip over

IDEA 2

ABSTRACT

- Baby monitors are predominantly used by most new parents, mainly those who are working to keep a watch on their newborn.
- Baby monitors are generally used for three purposes-sleep-time observation when the infant is in an alternate room, as a nanny-cam to watch out for the infant when the guardians are away to alert the parents for when the monitor does not detect your baby movements.
- Monitor your child's movements and are commonly put under the bunk or lodging sleeping cushion
- It tends to be utilized to monitor the child's pulse, heartbeat or breathing and caution if something turns bad.

ADVANTAGES

- Immediate results
- Real-Time visibility on performance
- Automate monitoring
- Automatic alerts and notifications
- Better forensic analysis
- Alert users on time
- Real-Time feedback
- Increased productivity

DISADVANTAGES

- Expensive process: Monitoring the child is not an easy process, it is time consuming and costly
- Stressful atmosphere
- Cost in Time and Resources.

IDEA 3

ABSTRACT

- Self-propelled mode solves real parents and baby needs.
- It applies state of the art technology through innovative, minimalist and safe design.
- Building new baby stroller with all the needed intelligence to provide new levels of child safety and comfort never before imagined together in a stroller.
- Providing safety, security, comfort and convenience-enhancing functions managed by Android and IOS smartphones and smart-watches.
- Minimalist device designed to fit every parent's needs and desires.

ADVANTAGES

- Comes with plenty of features.
- Can be used from childbirth to preschool years.
- Is sturdy and very safe for the child.

DISADVANTAGES

- Bulky, feels like moving around furniture.
- The stroller might get worn out by the time it reaches toddlerhood and it is not advisable to use a worn out stroller.
- Assembling can be complex, since there are a lot of parts. Also, moving through narrow doors and spaces would be a problem

