***Future Improvements for our IoT baby monitor project.***

* Build full scale module which can fit a real-life baby.
* Use a globe of some sort to put over the LED’s which are being used as nightlights and have shapes placed on the globe so when the light is being emitted from the LED it is projecting shapes onto the wall as appose to just a light. This could be a car, a teddy, a flower depending on the car. We could also connect the LED’s to a motor so not only does the LED project a shape on the wall but the shapes also move. This can also help the child to learn different colours and shapes.
* **1 According to doctors, night-time lights can boost a baby’s brain development**. The American Optometric Associations recommends use of night-time lights from birth to four months for better visual development.
* **2. There will be no more nightmares for your baby.** Many babies around 2-4 years can develop a fear of darkness and nightlights can console them, making them feel safer.
* **3. Parents can walk through their toddler’s room more safely at night.** There are many times when they may have to check in to their baby’s room for night-time feeds. It can also help your toilet trained babies to find their way to bathroom safely.
* Another Idea for future development on this project would be to add a mobile which would be connected to a motor and will spin at the top of the cot so the baby can see it while its laying on its back. We can include a number of bold colours and shapes that the child likes. There are many great benefits of having a cot mobile for a child which include the following;
* **1. By providing visual stimulation.**
* From a young age, babies start to process what they see around them. Baby mobiles hang over a baby’s cot with various toys attached. There are many on the market these days and are available to match most nursery themes and colour palettes.
* Baby cot mobiles might include hanging toys such as animals and flowers amongst other decorative objects. Some mobiles are static whilst others can rotate and even play soothing music to your baby when turned on. The music might play continuously or on a timer.
* These mobiles come in an array of colours and music options that help babies to focus on the different objects as well as learning to concentrate on them.
* **2. Motor Skill Development**
* When a baby is looking up at their mobile, they are watching how it turns and moves and follows this movement with their eyes.
* While looking up to their cot mobile, a baby can also start to develop the ability to judge distances and spatial awareness, as the objects move towards and away from their eyes.
* As your baby grows and their movement develops, reaching up for the mobile toys help them to master hand-eye coordination - or foot-eye coordination!
* Their gross and fine motor skills will develop over time, as they watch, explore and play.
* It’s recommended to raise or remove the mobile when babies are able to sit up themselves to prevent any accidents from happening.
* **3. Sleep**
* A musical cot mobile can play soothing lullabies, or even white noise, to help relax your baby and lull them to sleep. Help with baby sleep is top of most parent’s wish lists!
* As you develop a consistent bedtime routine for your little one, turning on the baby mobile might be the final step before you leave the room, and they drift off to sleep.
* Many babies love routines and knowing what is coming next and, over time, might learn to understand that when their mobile is turned on, this means that it is sleep time.
* The presence of a cot mobile can be very comforting to babies too, in the same way that their favourite toys are. When they awake in the morning and see the familiar sight of their mobile, it will help to relax them. It might give you a little more snoozing time if they are occupied while waking up too!
* **4. Accuracy and Consistency**
* Over time, the practising your baby has done in pointing and reaching for the toys that interest them will start to pay off. They’ll start to become more accurate, and this will translate to how they aim for and grab other objects they see, developing their grasping reflex over time.
* As they repeat the movements of reaching for and grasping objects, they will also be strengthening the muscles that control eye movement at the same time.
* Over time, they will learn to distinguish colours, objects, and sounds.
* **5. Help prevent boredom.**
* If your cot mobile has toys that can be switched around, shuffle them occasionally. Changing the order or arrangement of mobile toys gives your baby a change of scenery and they will love being able to explore all over again!
* A cot mobile is a beautiful addition to your nursery, is easy for parents to operate and can greatly benefit your baby’s development.
* It’s essential to install the mobile correctly so make sure to follow instructions carefully to ensure the safety of your baby.