## horizontal line



Baby Care

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Team Names :

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# Overview

Baby care is an IOT based app for helping parents to take care of their babies by: Detecting the baby's cries and shake his/her bed ,Sense temperature of the baby ,Monitor the baby's data through website in addition to live camera to insure more security and monitoring.

# Goals

# Baby Sleep Monitor

1. **live camera**
2. **Detect diseases**

# Objectives:

# Baby Sleep Monitor :

By connecting the microphone to the arduino it will be possible to detect voice and shake the baby’s bed.

Live camera , this part could be used to make parents check on their baby

Temperature sensor to measure the temperature of baby

Pulse sensor to measure the baby's pulse.

Servo motor to shake the bed.

**Tools:**

**Hardware:**

1. **An Arduino UNO**
2. **Microphone sensor**
3. **Motor servo**
4. **A breadboard and wires.**
5. **Heartbeat**
6. **ESP8266 module for Wifi**
7. **Temperature sensor**

**Software:**

1. **Arduino IDE**
2. **Website (Html , css , JS)**

**References:**

**Baby sleep monitor:**

[**https://youtu.be/GamQjSeeNY4**](https://youtu.be/GamQjSeeNY4?fbclid=IwAR0vFXntYqhjQEp4Mb_spNmThHN8HT8hv2WJBT1l1y4e8NeUVUiUqldtO50)

**Servo motor:**

[**https://www.youtube.com/watch?v=ZySGP4AwGCY**](https://www.youtube.com/watch?v=ZySGP4AwGCY)