Automatic Body Temperature Measurement and Warner Device

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If a patient has fever, you would have to stick a thermometer in their mouth. This method is really bad especially for infants, imagine waking up in the middle of the every 30 minutes to check on the patient and the thermometer, putting it in a better position and do all these work, while you're about to fall asleep standing up. Our Problem here is that if the patient's body temperature is above abnormal for a long period of time when you're not paying attention, the patient could suffer from permanent brain diseases or even die. Our solution is to track the patient's body temperature with a device. This device is three separate parts that's made by the project finalists, and the first one is a headband that has a sensor in it to track the patients body temperature, this device will send the data to another device via a cable, which will then be sent to the main device via antenna, and if the temperature is above or below abnormal, the device will alert the parents/caretakers with a loud sound, that can wake them up even if they're asleep. In the end, we could track the patient's body temperature, we even put it near a hot object to simulate the experience of it when the temperature of the patient goes abnormal. We also gathered as much data from it as possible, from the power consumption, efficiency, and most importantly the radio waves it creates.

Awards Won: