**IoT BASED WEARABLE DEVICE FOR WOMEN SAFETY**

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Women are becoming more independent and they are keeping pace with the upcoming trends. However, in some situations they face discrimination and social challenges. Due to these reasons, it has become very important for women to stay alert and tackle all the situations alone.

In the proposed system, a wearable device is made which can be a good and comfortable accessory for women who doesn’t just fulfill its basic purpose but can also be used for their safety.The wearable device is connected to the smart phone application using wifi transceiver module. The projected device will consist of temperature and pulse rate sensors that could detect unusual tensions.

In case someone attacks the device holder, these self-defense modules can be enabled by the emergency signal which is triggered by Arduino nano**.** Arduino nano collects the pulse rate and temperature status in a loop sequence and when the status collected is abnormal the emergency signal is triggered. When the signal is triggered, every user with the safety app nearby will also be notified.In the existing systems, the user has to manually trigger the device using a switch and doesn’t provide any self-defense modules.

