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Women's Security Smart System based on IoT Applications

Jampani Ravi[1], Polamuri Bhanu Sree[2], Rayapalli Nikhila[2], Sesetti Sravani[2], Shaik Ahmed Subhani[2]
N. V. Phani Sai Kumar[3] Venkata Syamala Raju Talari[3]
Assistant Professor, Department of Electronics and Communication Engineering[1,3]
Students, Department of Electronics and Communication Engineering[2]
S. R. K. R. Engineering College, Bhimavaram, A.P, India

Abstract: *Women safety has been becoming the main criteria in our society, as they are facing many physical harassments. Here in this project, we are preparing an IoT based security smart band which will help both women and children to some extent. The smart system works based on physical action mechanism as well as non-physical action mechanism and helps in sending the messages with their location to police and dear ones. In few cases women may not be able to use their physical action, so we will use automatic mechanism using force resistive sensor, NTC thermistor temperature sensor and heart rate sensor to sense and sends SMS with their location to police and dear ones. As women entered into many fields where they may encounter many tough situations. So, this system is somewhat useful for working women. Here we design the system that can be used in creating a safety device that women can wear easily. In smart world the smart wearable device is one of the best options for protection.*

Keywords: IoT, Global Positioning System, Global System for Mobile Communication, Heart Rate Sensor, Arduino Uno, Pressure Sensor, Temperature Sensor, Push Button, Women Safety.

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