

IoT Based Women Safety Device

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Abstract: *Women's safety is a significant priority around the world right now. Women encounter a range of scenarios every day, including abuse, assault, rape, and kidnapping, which make them fear leaving their homes. This paper demonstrates how to make a wearable safety device for women using an Arduino microcontroller. The research purpose of the technology is to protect women who are in danger. The module is interfaced with the secure networks and sends an alert via IoT. The device is programmed in such a way that the algorithm is activated as soon as the sensor readings exceed the threshold values. The proposed gadget's main goal is to provide security for women everywhere. As a result, gadget employs cutting-edge technologies such as the Internet of Things (IOT) and the GPS, GSM modules are used to transmit the user's location to the appropriate authorities and saved contacts.*

Keywords: Women safety, Arduino UNO, Accelerometer, GPS, GSM, Safety device.

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