Smart Seniors Care

Kloob, Raad

The purpose of my project is to help the elderly that are living alone, because living alone increases the elderly risk of heart disease and stroke. It also reduces 65% of the time to get aid. So I went to my biology teacher to conduct how living alone affect on elderly mental physics problems such as fall, and heart disease, so I made my first circuit which I made it from many biomedical sensors and an atmega328 chip to solve lonely elderly problems and to increase the chance 56% of getting aid and it is a smart wearable a bracelet that can measure heart rate, acceleration and Gyroscope Co-ordinates; So the wearable can predict the chance of heart diseases with the help from "PMC" research of predicting Heart Disease and it detect falls and how are their situation from 0-10 and it monitors the elderly health state via SMS and whenever something dangerous happens the GSM module sends messages to the supervisors of the elderly, and after many tests, I ended up testing it working on my grandparents, so this device will increase the chance of getting aid and the supervision for the lonely elderly and it will help them simplify their life for a careful life.

Awards Won: