Smart Protection System for Public Safety

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Abstract: *We propose to have a device, which is the integration of multiple devices, hardware of a wearable "Smart band" which continuously communicates with a Smartphone that has access to the internet. The application is programmed and loaded with all the required data, which includes Human behavior and reactions. With the help of all electronics devices store the information to the controller which can operate the system automatically with intelligence.*

Keywords: Arduino Micro-controller, GPS, GSM, Main Sensors, Switch

I. INTRODUCTION

Our project mainly focuses on Self-defense on People. Here the system is designed around Arduino Micro-controller that uses GPS, GSM, and Switch, and Main Sensors for better Security.

It is very important for weak people like A Woman, Old People and Children. In the existing system, there is no safety measure for people not only in day time but also in the night time. In earlier days people safety is not a concerned matter.

II. PROBLEM STATEMENT / OBJECTIVE

- This gadgets use to measure our body temperature and heartbeats.
- Your body temperature and heartbeats are high then the gadgets will notify or alert.
- At the unsafe situation people and children call police parents with help of this band.
- It helps people to protect themselves to reduce the risk that faces them.
- In addition, it so fast to solve the problem and easy to find the risk.
- Reduce the risk protect the people.
- Fast to face the risk or problem.

III. PROPOSED METHODOLOGY

When the push button is pressed, the GPS communicates together with the satellites yet then finds bead then longitude information using the triangulation method. Then the GPS modem communicates with the microcontroller yet shops the information touching into small-sized attention about the UART microcontroller.

The GSM module is interfaced along with Micro-controller of ship and obtain messages. The reception bolt over the microcontroller is linked according to the transmitting pin over the GSM module, the transmitting nail on the microcontroller is related along the receiving pin of The microcontroller has been coded along programs of encode the location data as like a Google chart URL which is a quick message to stand despatched according to the helper's mobile. In coding, some instructions are old in conformity with ship quick messages.

Impact Factor: 6.252

IV. BLOCK DIAGRAM

A. *Monitoring Section*
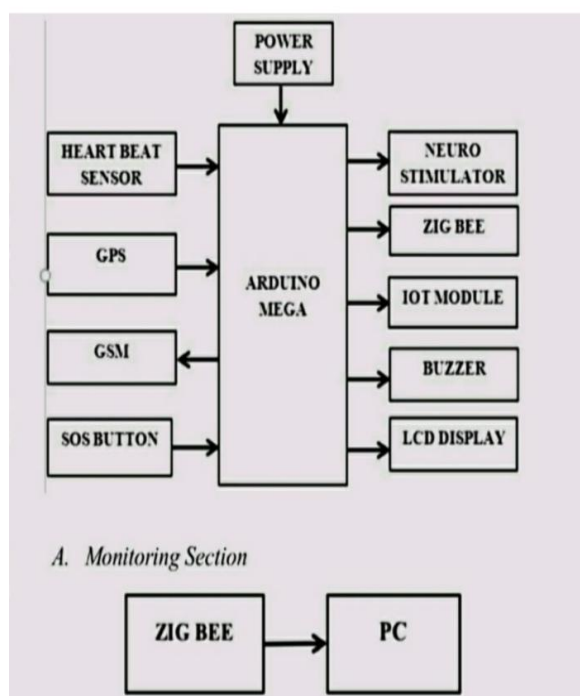
V. CONCLUSION

This method is very helpful when people does not have any communication method. It is a lesser and moveable system and it cannot be recognized easily as a communication scheme that is, only the user has the familiarity about the system, somebody will not be responsive to it as a security system. It can be simply right within reduced gadgets. It can pathway the person even if they are in a minus coverage area. So this method can be supported anywhere simply and used at any time without much customer communication and with the greatest functionality.

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