

# CHILD AND WOMEN SAFETY USING



# IOT



# DEVICE-SMART WATCH



Pulse Rate Sensor



Temprature Sensor



BLE Module



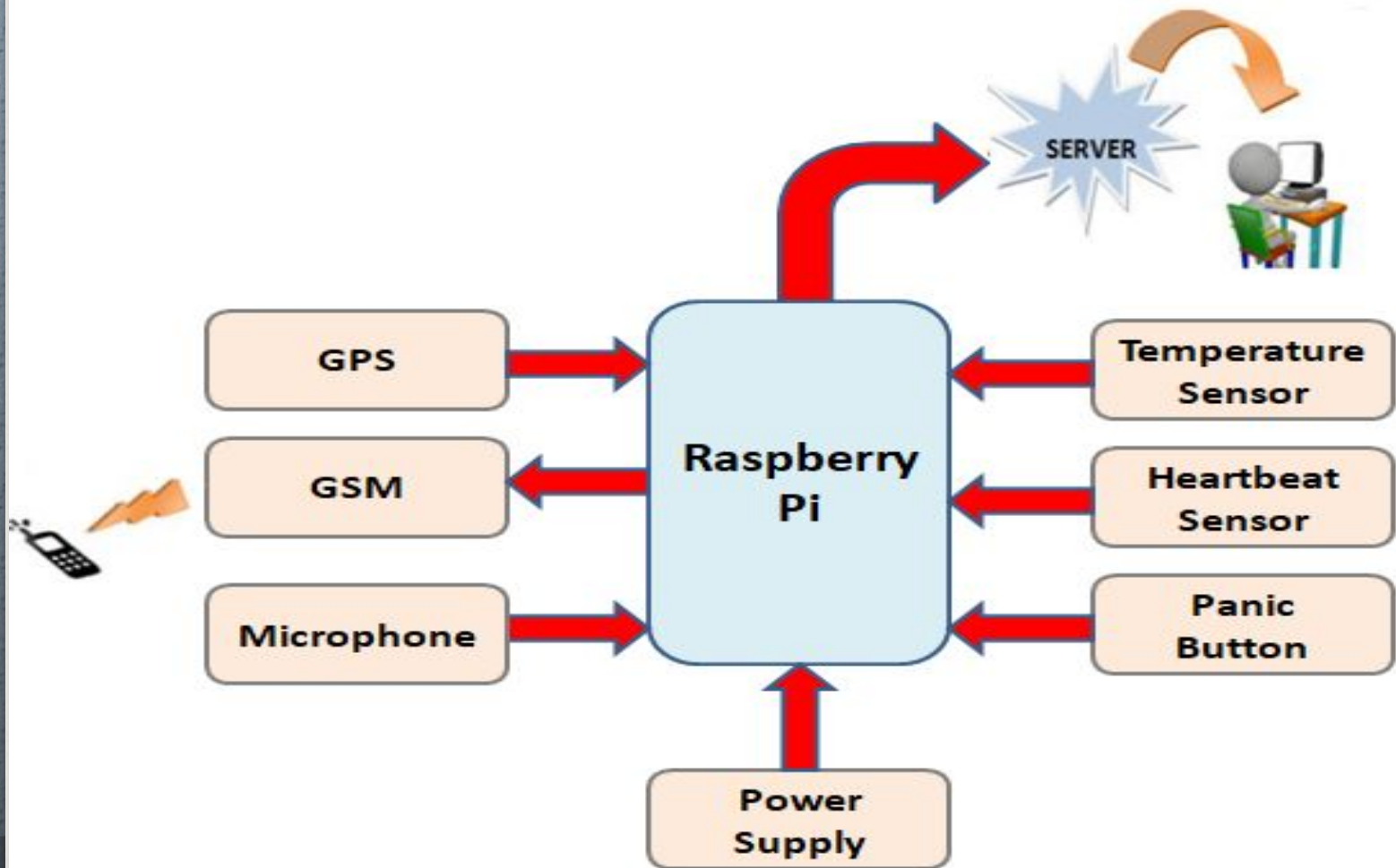
Smart Band

Via BLE 4.0

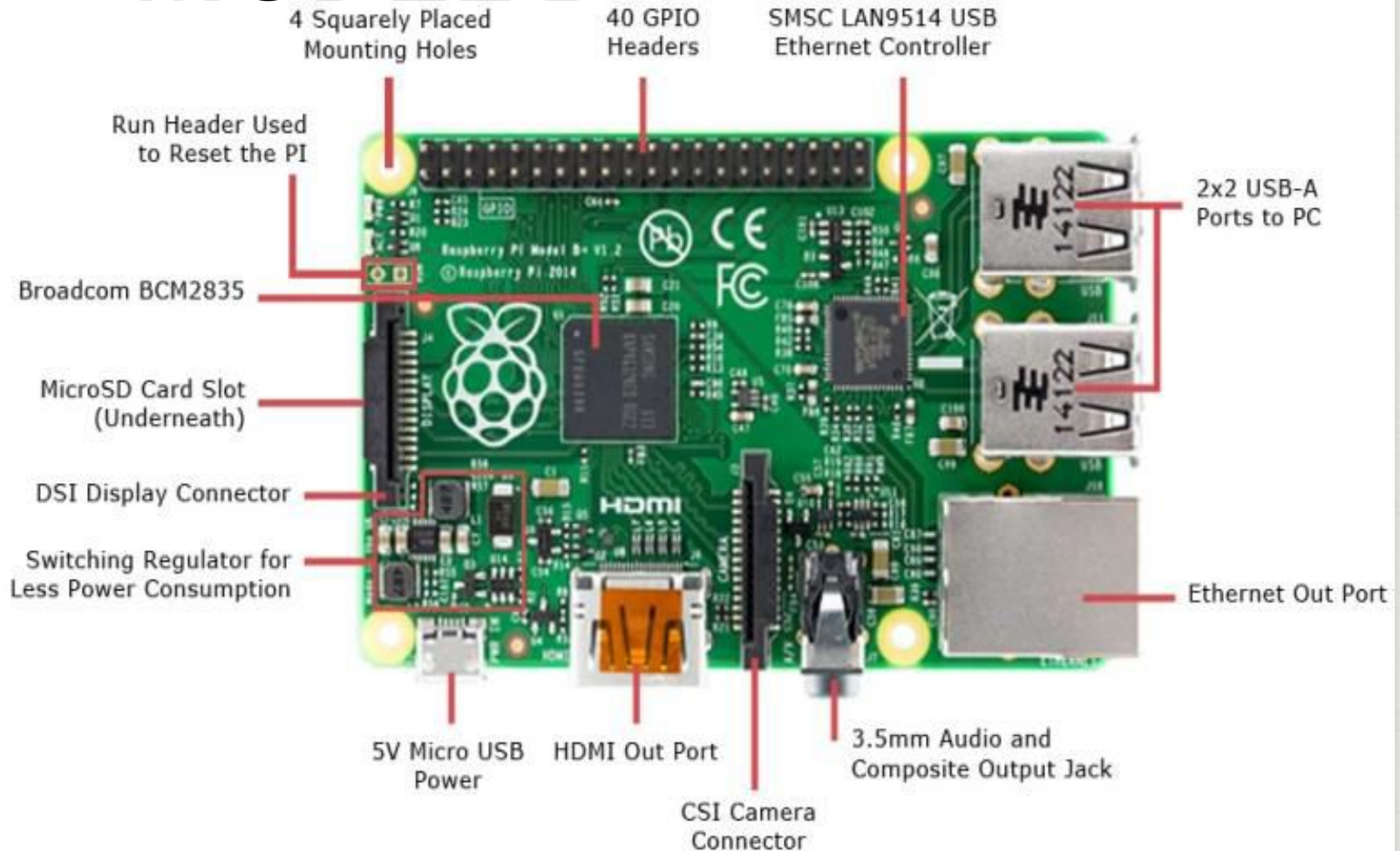


Women Security App

# BLOCK DIAGRAM



# RASPBERRY PI 3 MODEL B



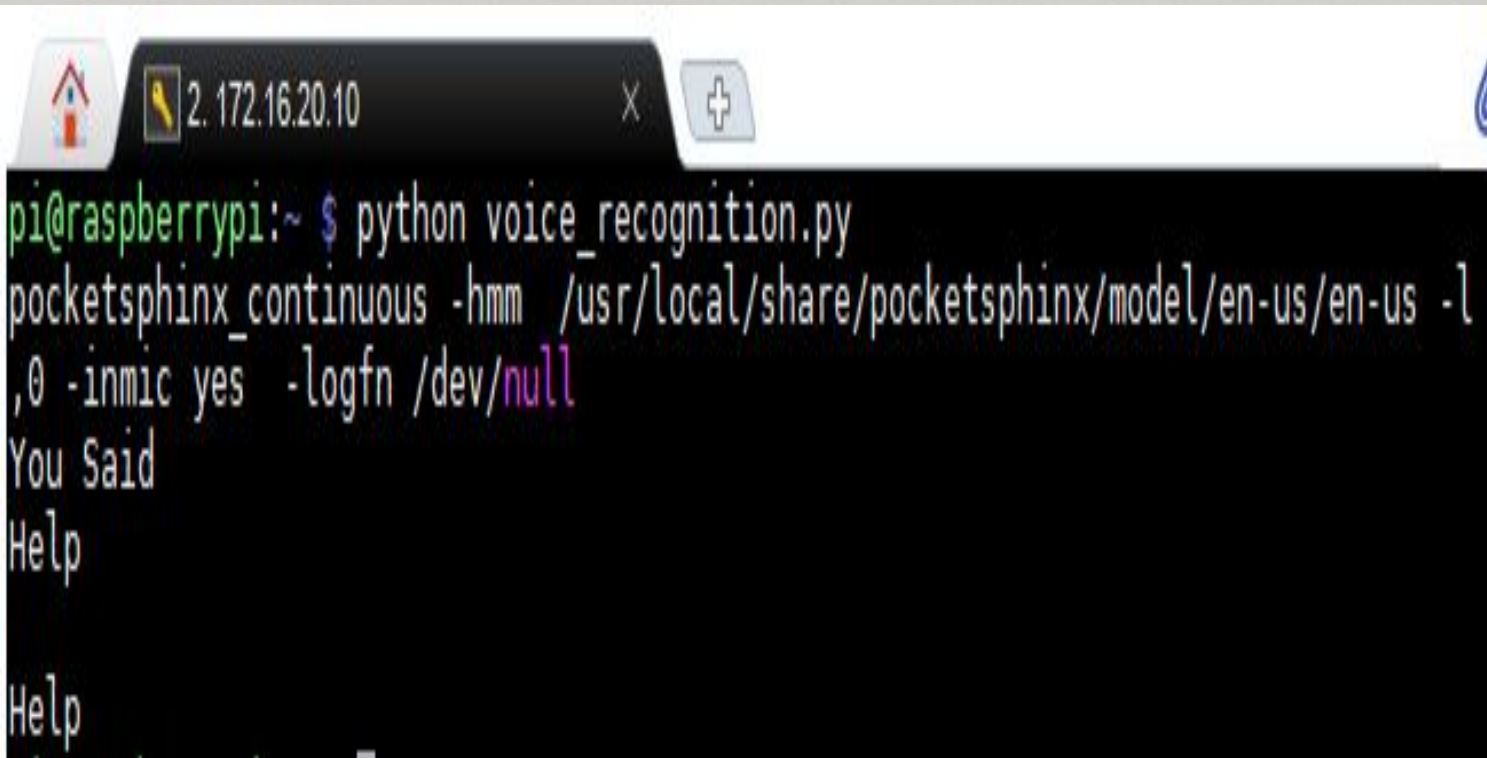
# GPS RECEIVER' S OUTPUT

```
pi@raspberrypi:~ $ python gps7.py
Latitude= 15.8658
Longitude= 74.5339
Latitude= 15.8658
Longitude= 74.5339
Latitude= 15.8658
Longitude= 74.5339
```

```
pi@raspberrypi:~ $ python get_data.py
Temperature: 24.0 C
Heartbeat: 69
Temperature: 24.0 C
Heartbeat: 65
Temperature: 24.0 C
Heartbeat: 62
```

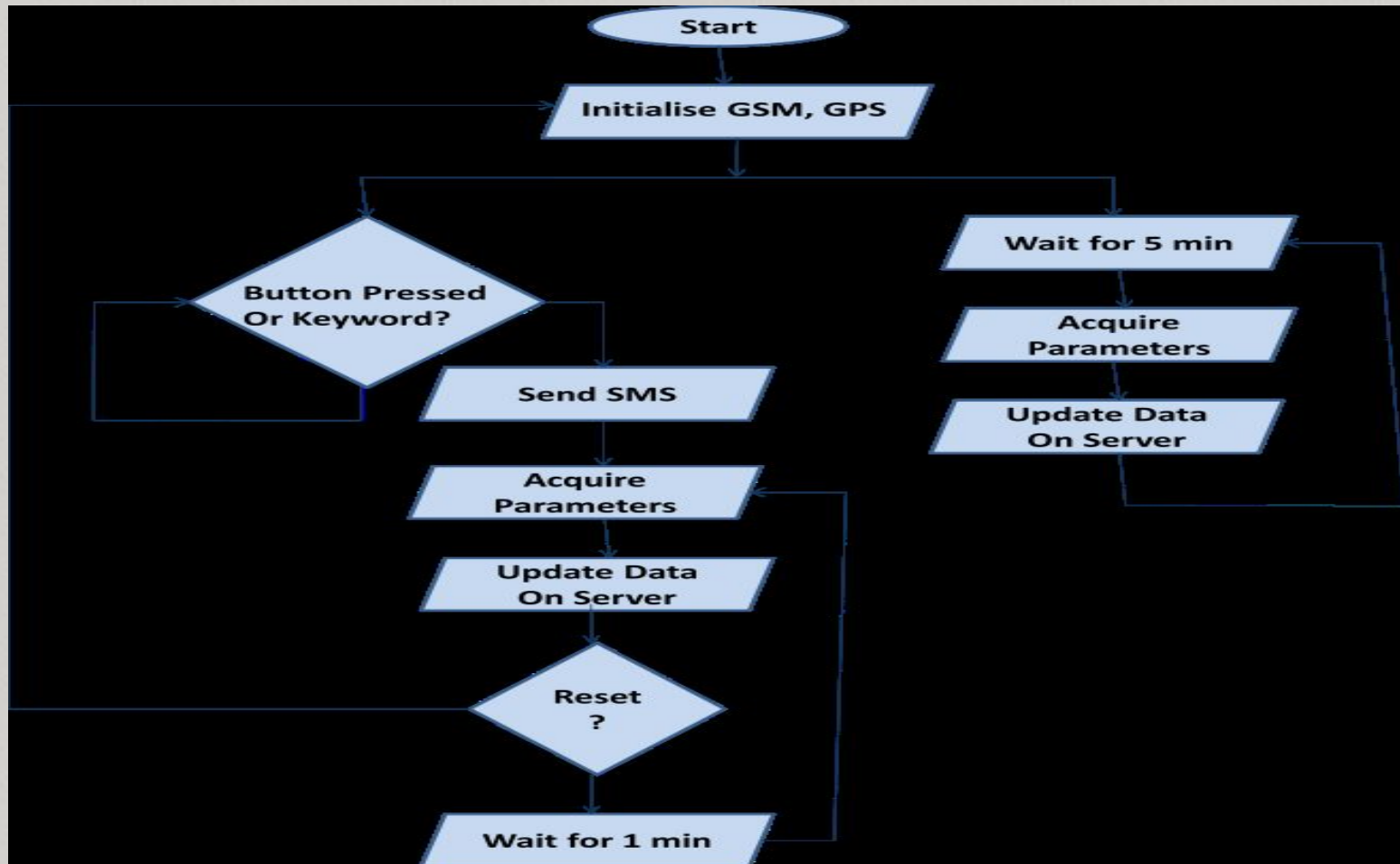
# TEMPERATU RE AND HEART BEAT SENSOR OUTPUT

# VOICE RECOGNITION USING POCKETSPHINX

A terminal window on a Raspberry Pi. The window title bar shows a home icon, a phone icon, the IP address 2.172.16.20.10, a close button (X), and a plus sign. The terminal text shows the execution of a Python script for voice recognition. The output indicates that the system has recognized the words "You Said" and "Help".

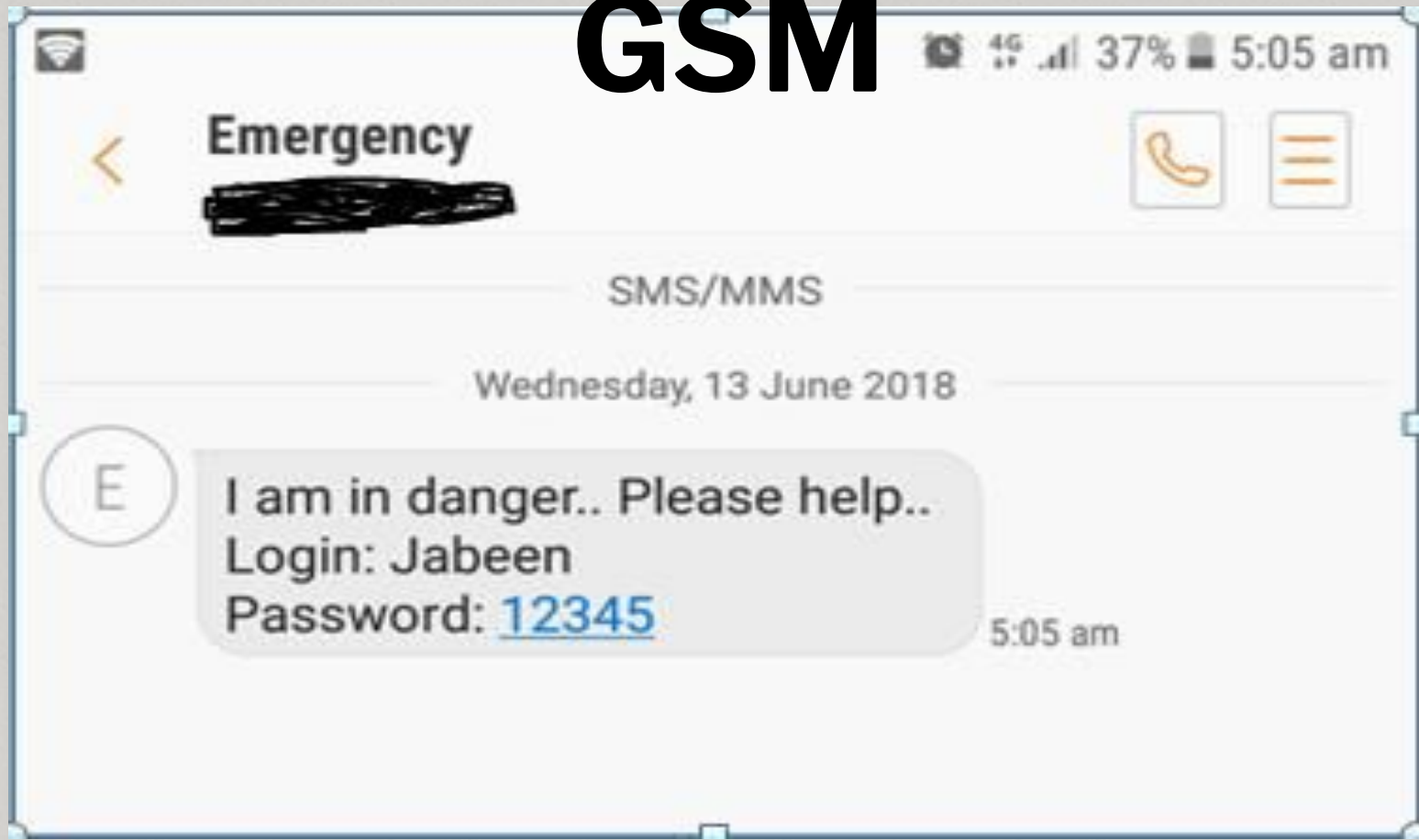
```
pi@raspberrypi:~ $ python voice_recognition.py
pocketsphinx_continuous -hmm /usr/local/share/pocketsphinx/model/en-us/en-us -l
,0 -inmic yes -logfn /dev/null
You Said
Help
Help
```

# DESIGN FLOW





# MESSAGE SENT BY GSM



# CONCLUSI ON:

- The IOT based “Child and Woman Safety System” is successfully designed to measure and monitor child/woman parameters such as temperature, pulse rate, location by the use of low power, light weight sensors.
- The measured parameters are successfully recorded using Raspberry Pi and stored in MySql database and the same are uploaded to the web page using PHP.
- In case of emergency user need to press panic button or speak up the keyword, then a message is sent to concerned care takers/parents and/or police using GSM.

**ANY  
QUERIES?**



# **AVART CLASP**

A real time project done by  
students

**\*\*\*\*\*----THANKING  
YOU----\*\*\*\*\***

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