Internet of Things

In this project we have temperature, blood pressure, ECG and heart beat readings which are monitored using Microcontroller. These sensors signals are send to Microcontroller via amplifier circuit and signal conditioning unit (scu), because the signals level are low (gain), so amplifier circuit is used to gain up the signal and transmit the signals to the Microcontroller. Here patients body temperature, blood pressure , ECG and heart rate is measured using respective sensors and it can be monitored in the screen of computer which is monitoring through anywhere in the world using internet source. The proposed method of patient monitoring system monitors patient's health parameters using Microcontroller. After connecting internet it acts as a server. Then the server automatically sends data to the website. Using IP address anybody can monitor the patient's health status anywhere in the world using laptops, tablets and smart phones. If these parameters goes abnormal it will automatically sends alert SMS to the doctors and relative.

The measured patient health information is send to the respected guardian using GSM. If the mobile is in silent or vibration mode then voice alert is given.