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(71)**Name of Applicant :**
1)St. Martin's Engineering College
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Mr. M. Chakradhar Student, EEE Department, SMEC
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ---------- ----------
2)Ms. Chelumala Nirosha Assistant Professor, EEE Department, SMEC
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ---------- ----------
3)Ms.Parankusham Priyanka Assistant Professor, EEE Department, SMEC
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ---------- ----------
4)Mr. Bandi Vishnu Vardhan Reddy Student, EEE Department, SMEC
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ---------- ----------
5)Ms. Syed Mahek Student, EEE Department, SMEC
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ---------- ----------
6)Ms. Narayandas Srilakshmi Student, EEE Department, SMEC
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ---------- ----------
7)Mr. Thatipally Rahul Student, EEE Department, SMEC
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ---------- ----------
8)Mr. S.Manideep Student, EEE Department, SMEC
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ---------- ----------
9)Mr.B.Venkateshwarlu Student, EEE Department, SMEC
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ---------- ----------
10)Mr. L.Akshay Reddy Student, EEE Department, SMEC
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ---------- ----------
11)Mr. J.Naveen Kumar Student, EEE Department, SMEC
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ---------- ----------

(57) Abstract :
Many people among us lose their life to heart attack. This is because of their diet, age, less physical activity and many other factors. Heart attack is not easy to detect, to overcome and help our society from heart diseases and attack, we are developing such a system which will help to decrease the death rate and early detection a heart attack. In this system we are implementing a heartbeat monitoring and heart attack detection system using the Internet of Things. The sensor is then interfaced to a microcontroller that allows checking heart rate readings and transmitting them over Internet. The user may set the high as well as low level of heart beat limit. After setting these limits, the system starts monitoring and also alerts for lower heartbeats. For this the system uses two circuits. One is the transmitting circuit which is with the patient and the other is the receiver circuit which is being supervised by the doctor or nurse. The system makes use of heart beat sensor to find out the current heart beat level and display it on the LCD screen. In this system, the patient will be equipped with the hardware consisting of sensors and other devices for measuring the heartbeat along with the notification unit to notify and provide data in real-time. The heartbeat sensor with advance measuring technique will calculate the heartbeat of the patient, and transmit it over the internet that can be easily accessed by the patient itself and the doctors through different electronic devices such as tablets, phones, and computers. The heartbeat limits are set on a system that informs about the high and low rate of heartbeat. It also provides continuous data for analyzing the chance of an attack on a patient.

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