LITERATURE SURVEY

Personal assistance for Senior Citizens who are Self-Reliant

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1)Health Alert and Medicine Remainder using Internet of Things, P. Ranjana, Elizabeth Alexander,2018

Methodology: This paper proposes a model of automatic medicine reminder and apothecary system. It also continuously monitor the people's health condition like Blood pressure, ECG through the tensors kept at home and inform them to take necessary action.

Requirements: LCD screen, buzzer, Arduino,

2) Mobilizing your medications: an automated medication reminder application for mobile phones and hypertension medication adherence in a high-risk urban population, Samir Patel 1, Laura Jacobus-Kantor, Lorraine Marshall, Clark Ritchie, Michelle Kaplinski, Parvinder S Khurana, Richard J Katz,2013.

Methodology: Use of mobile app for the medications were proposed where the mobile app is developed an automatic medication reminder is given to the patients mobile phone.

Requirements: Medication reminder software

3) Remote wireless health monitoring systems, B. Priya, S. Rajendran, R. Bala and Gobbi. R, July 2009.

Methodology: The SMS framework is utilized for wellbeing checking because of its colossal application in numerous organizations and it is additionally remote. The information gathered through sensors are changed over to advanced shape and sent to the microcontroller for further preparing from it subsequent to handling the information is sent to a visual fundamental programming for graphical UI

Requirements: Short Message Service (SMS), Visual Basic data processing software, LM35 temperature sensor, Analog to Digital Converter (ADC)

4) Heart Attack Detection By Heartbeat Sensing using Internet Of Things : IoT, Dr.A.A.Gurjar, Neha A. Sarnaik, 2018.

Methodology: The heart pulsates are observed utilizing the sensors and alarms the client about the heart beat rate utilizing the IoT gadgets. The principle preferred standpoint of this framework is it spares the life of people. The sensor is associated with the microcontroller where the microcontroller is modified to check the heart beat rate and transmit over internet.

Requirements: Heart Beat sensor, Temperature sensor, Pressure Sensor, Wifi Module, Atmega 328

5) A Health-IoT Platform Based on the Integration of Intelligent Packaging, Unobtrusive Bio-Sensor and Intelligent Medicine Box, Geng Yang,Li Xie,Matti Mäntysalo,2014.

Methodology: The proposed system has different parts and provides different services, e.g., Medication Reminder, Remote Prescriptions, Medication Non-compliance Control and Intelligent Analysis, and First Aid Alarm using RFID, WLAN, GPRS and 3G Technology.

Requirements: Passive radio-frequency identification (RFID),Bio-medical sensor device, Inkjet-Printed Electrodes and Interconnections