

Literature Survey

Date	2 October 2022
Team ID	PNT2022TMID54076
Project Name	Personal Assistance for Seniors Who Are Self-Reliant
Maximum Marks	4 Marks

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 systems. It also continuously monitors the people's health condition like Blood pressure, and ECG through the tensors kept at home and informs 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 a mobile app for the medications were proposed where the mobile app is developed an automatic medication reminder is given to the patient's 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 well-being checking because of its colossal application in numerous organizations and it is additionally remote. The information gathered through sensors is changed over to an advanced shape and sent to the microcontroller for further preparation from it subsequent to handling the information is sent to 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 alarm the client about the heartbeat rate utilizing the IoT gadgets. The principal preferred standpoint of this framework is that it spares people's lives. The sensor is associated with the microcontroller where the microcontroller is modified to check the heartbeat rate and transmit over the 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 Noncompliance 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