

# **INTERNET OF THINGS**

## **PERSONAL ASSISTANCE FOR SENIOR CITIZENS**

### **AUTOMATIC MEDICINE REMINDER USING ARDUINO**

#### **REFERENCE PAPERS:**

##### **1. Automatic Medicine Reminder Using Arduino**

**AUTHOR :** Waleed Humaid

#### **DESCRIPTION;**

This framework comprises of an ATMEGA328P microcontroller with an inbuilt EEPROM and a continuous circuit. Every one of the passages made on the keypad are simultaneously and at the same time showed on the LCD board of the gadget. It will a sound alert. In addition to the fact that it has an alert framework, yet additionally a LCD which shows the drug to be taken at the updated time.

##### **2. IOT Based Pill Reminder and Monitoring System**

**AUTHOR :** Sultan ahmad, Mahamudul Hasan ,Gouse Pasha Mohammad

#### **DESCRIPTION:**

The proposed system consists of an IoT enabled device and an android application. Patients will no longer have to worry about daily medication. The mobile application is used for keeping the record in medicine details and reminding the schedule of medicine. The device can sense whether a patient has taken medicine or not with the help of the infrared (IR) sensor.

##### **3. A case study of medication reminder system**

**AUTHOR :** Mohammad Alhaj ,Abdullah Nizar, ,Athraa leekha

#### **DESCRIPTION:**

Medication management can include everything from using devices that issue reminders to patients to take their medications to filling pill cases for patients and marking the lid of each compartment to indicate when the contents need to be taken. We used HW/SW Co-design approach to allow the hardware and the software of the system designed and implemented in parallel and make sure that the non-functional properties are met.