

# Pill Box

## Abstract

Many time people forget to take their medicine on time. It is very difficult for elderly people to remember the pill taking time. If they are able to remember the time, they are not able to identify which pill they have to take. For this any house member has to help them. So one extra person gets engaged in this activity.

If that person is not available at home, then these people are not able to take their medicine on time.

Solution to these problems is pill box. Pill box is medicine keeping box, which is having four compartments with electronic circuit. The electronic circuit can be provided with time for each compartment. The time can be provided by user using QWERTY keyboard. Once it is provided the circuit will start working. On particular time for particular compartment, buzzer will blow. LED indicator connected to particular compartment will glow indicates to user that he has to take pill from that compartment.

If user is not able to take pill, then buzzer will stop after one minute. After 10 min buzzer will start blowing again. After 1 min it will stop blowing. Again after 10 min it will give reminder to user. This time user is not able to take pill, it will send message to care taking person of the user. Within time if user takes pill, the circuit will schedule for next compartment.

If any compartment start becoming empty the circuit will send message to chemist and their service provider can provide medicine.

Following circuit diagram gives idea about system.

Block Diagram :

