Abstract

The progress in medical technologies is one of the main contributions to the aging population. Most of the elders have chronic diseases and they need to take medications for a prolonged period of time in order to stabilize their conditions. So medication safety for the elderly is extremely vital. The most commonly encountered situations of drug abuse are excessive drug usage and disobeying the medication instructions. We have developed a device called "smart pillbox" to help the aging population to consume the right medication at the appropriate time according to their requirements. This system improves the existing system by alerting the user at the particular time again by setting the count each time and the order for the particular pill is sent by the system automatically to medical shop through message gateway and email.

References

1. Juan Marcelo Parra 1, Wilson Valdez, Andrea Guevara, Priscila Cedillo, Jose Ortiz


**Index Terms**

Computer Science  
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**Keywords**

Smart Pillbox, Medication Reminders, IoT, Order for pills, Message Gateway and Email, Arduino Wemos D1R1.