PORTABLE PROGRAMMABLE MEDICATION REMINDER

ABSTRACT

The aim of this project is to remind people who forget to take their medicines on time. Elderly people because of their age usually forget to take their medicines. This project will help to remind the patient to take his/her medicine at prescribed time. The proposed system is best suited for elderly people and people who are very busy, as this device will not only remind them of their medicines with a buzzer sound but also displays the name of the medicine to be taken at that time.

The patient can store the respective time of the particular medicine through a matrix keypad. Based on an RTC (Real Time Clock) interfaced to the microcontroller, the programmed time for medicine is displayed on the LCD along with a buzzer sound to alert the patient about taking the appropriate medicine. The microcontroller used in this project is of 8051 family.

RTC used maintains an accurate time as it is supported by a crystal.
HARDWARE REQUIREMENTS:
- 8051 series microcontroller. Keypad, RTC, Battery, Buzzer, LCD, Diode, Resistors, capacitors.

SOFTWARE REQUIREMENTS:
- Keil Compiler
- Language: Embedded C or Assembly.