Design and Fabrication of Automatic Pill Dispenser

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***ABSTRACT***

***Health care is the major issue faced by the society now a days. On hospitality it’s quite difficult to provide proper medicines to patients in the hospital at the right time. Thus to have a complete monitor and patients medicine activities our setup which is designed specifically for users who take medicines without any close supervision. It relieves the user (nurse/attender) from administering wrong medicine at wrong time. The major components of this modular setup are a microcontroller (Arduino) interfaced to an operating system, an LED display, a Motor Controller, an Alarm system, a multiple medic container and aqua setup. The overall operation is to facilitate the user to set the timings to dispense multiple medicines at required timings as required. The Alarm system is designed to provide two types of indications – one by lighting an LED and the other by providing a beep sound. The user is required to press a button to get the pill and reset the alarm button. The second alarm is to indicate the optimal availability of the pills in the container to warn the user to refill the dispenser with the required quantity of pills. The major objective is to keep the device simple and cost efficient. The software used is reliable and stable. Elder peoples can benefit from this device as it avoids expensive home care.***