

CHEMIST HELPER WITH AUTOHAND

ABSTRACT

Medical shops are playing a vital role in human health care system now a day. The customers are getting struggled while buying the medicines in the medical shop when it is more crowded. This leads to a very big issue for the supplier in providing the medicines to the customers at right time and as well during emergency period. The proposed system introduces a platform with robot arm which itself picks up the medicine from the storage area and then the chemist will take the medicine from it. It overcomes the difficulties of existing system done by manually.

INTRODUCTION

The present scenario like increase in pollution, improper food habit etc. makes people become sick. This leads to increase in the number of people visiting the hospitals daily. The number of hospitals and medical shops in the country is also increasing day by day. In hospitals and medical shops, medicine dispensing systems play an important role by providing right medicines at right time. The traditional medicine dispensing system is now unreliable and takes too much of time to dispatch the medicines to the customers. This makes the customer to wait in a long queue and feel uncomfortable. Especially this condition has to be avoided for the customers who are coming under emergency situation. But our traditional system fails to do so. Hence the proposed novel system with an autonomous robot arm takes less time in finding the medicine in the storage area and dispatches the same to the customer as fast as possible. This makes our medical shops become smart, reliable and keeps customer to feel comfortable.

PROPOSED METHOD

In Medical shop initially the medicine boxes barcode are scanned by the barcode reader and details like medicine name, common name, manufacturer name, manufacturing date and expiry date etc. are entered in the personal computer. After entering the details of medicines in the PC, it is arranged alphabetically in the storage area manually. Numbering systems are also

used in the medicine boxes to store the medicines and it is placed in the storage area. At the time of Customer ordered medicine, the shop keeper searches the medicine by entering the medicine name or the initial letter of a medicine in the PC. We propose an idea of movable platform and a Arm step with gripper arrangement. The position of tablet will identified by the using of barcode sensor and after identification of position of tablet it is picked by using Movable Arm step with gripper arrangement which is used to pick up the medicine box from the storage area and also to drop the medicine in the dispenser box.

BLOCK DIAGRAM

