NJALA UNIVERSITY

BSC. COMPUTER SCIENCE

YEAR 4

EMMANUEL AMARA- ID:28280

**Project Description**

Traditionally in hospitals the task of dispensing medications to patients can be strenuous for the hospital staff, as many variables have to be considered, such as searching for a particular medicine in shelves, finding alternative active components and possible interactions, verifying the amount or dosage of the medicine, keeping in mind the intake timings and other meticulous details. In addition to that, the dispensation process is the combination of many manual and computerized steps which do not function together. In this work. It has an Interface where a user can sign up for an account. Once logged in, the user is presented with a simple form to add medicine name, dosages, and frequency. After adding those details, the user can view, edit, or delete this information as desired

The application helps nurses, pharmacist & patients in performing the filling and dispensing of the medicine tray more efficiently. The application allows nurses, pharmacist & patients to keep history of the medication distributed and dispensed to patients, as well as it makes the whole process smoother by improving the patient safety.

**Criteria:**

In this application User can sign up for an account, after signup, the user can log in to their accounts, the user can add and view list of medicines

it acts as a reminder and it is very user friendly, This simple and easy-to-use app allows users to track their medications, receive alerts as reminders to take their pills  The app offers personalized reminders for each day, as well as important drug interaction warnings, missed medication alerts, refill reminders.

It consist of Sortable, searchable and paginated list of all the dosages taken. Users can search by medicine name and date taken.

You can create a schedule of healthy habits you want to track, and the app offers helpful reminders to remain consistent with the routine. Some healthy goals you can set for yourself include: staying hydrated, taking medications on time.

**Conclusion**

The use of this application demonstrated meaningful reductions in both the number of doses re-dispensed and cost of pharmaceuticals dispensed. Use of the technology decision support system for pharmacy technicians and increased access to delivery information were key components of this impact. As results from the staff survey demonstrated, the introduction of a technology solution enhanced perceptions about effectiveness in performing a core job function where the user can add and view list of medicines, Input for the new data such as :Medicine Name, Dosage Quantity, Milligram,

This app lists medicines the user is supposed to take as per dosage plan every day (only dosages for that particular day are shown here – upcoming dosages for the day). It informs the user about the schedules of medicine to take on daily bases.

It also consist of a page that records the medicine taken and at what time. Here, the user selects a medicine from list of medicines, selects the date, enters the time he/she takes the medicine and clicks save to record the dosage.

Lastly the user can see their data in the form of a list (tracked medicines, dosages, and frequency). They can also update and delete existing data. Update can be done via a similar form as adding new data