

DRUGS INDICATER AND PHARMACY MANAGEMENT SYSTEM

A dissertation submitted to the

Industrial Information Technology Degree Program,

Uva Wellassa University

In partial fulfillment of the requirements for the award of the
Degree in Bachelor of Industrial Information Technology

By

PATHINAGODA GAMAGE MADUSHANKA ROHANA

UWU/IIT/09/0037

Industrial Information Technology Degree Program

Uva Wellassa University, SriLanka

December 2013

Abstract

Giving incorrect drugs from the pharmacist is a considerable problem in modern society. Numbers of patients were death and large numbers of patients were disabled due to wrong drugs given by pharmacists. Inability to identify right drugs is the main problem. Sometimes expire dates are clearly mentioned in the containers. Therefore pharmacist will issue expired drugs to the customers. Next issue is time wasting to select correct drugs. Since it is difficulty identify the relevant stores for drugs. Thus customers need to wait until pharmacist select the drug from the exact rack or location.

Main objective of this project is to provide a solution for mentioned problems above by providing a technology based solution.

This consists of hardware based solution and a software based solution. This gives physical indication for the drugs stored in the pharmacy. Programmed Techduino (clone of arduino) will detect correct path to the drugs by using application given binary value. And proposed application is giving managing facility for pharmacist to regulate day to day activities like remove expired drugs, drugs re-order alerts, stock details, and several reports. This desertion will be exposed more detail about issues, how those issues handle, structure of the project, and environmental context of the project.