Automated Hospital Clinic Management System for Private Hospitals

WAN Malshani# and WAAM Wanniarachchi

Faculty of Computing, Department of Information Technology
General Sir John Kotelawala Defence University, Ratmalana, Sri Lanka

#naveeshamalshani120@gmail.com

The most essential aspect in the country's development is its healthcare system. Long-term disease treatments are one part of treatment. Private hospitals conduct different clinics to treat these long-term diseases. These clinics are separated into groups based on the types of diseases. Some people suffer from one or more diseases, and need to choose doctors for each disease type for their treatments in private hospitals in Sri Lanka. However, there are still several major issues in private clinic management systems, for which no effective solution has been found. The existing system's huge problem is poor coordination between doctors, patients and medical staff. The other problem is patients face lots of difficulties in maintaining their medical record books for each relevant clinic. Accordingly, this research paper mainly provides an effective solution to the issues highlighted in order to improve the efficiency of Sri Lankan private hospital clinic management systems. The proposed system will connect patients, doctors, pharmacy staff and medical staff into one platform and store information about patients, doctors, appointment details and all medical records. The research is based on the automated clinic management system for private hospitals and has updated it to a computerized automated system. The clinic management system for private hospitals will allow efficient creation and management of patient data, as well as management of doctor's schedules, seamless flow of information from one department to another, handling of the health center's accounting, and accurate archiving of patient information and diagnosis data.

Keywords: manual, automated, clinics, private, disease