

**Higher National Diploma in Information Technology**  
**Sri Lanka Institute of Advanced Technological Education**  
**(SLIATE)**

**Title**

**Clinic management system**

**Supervisor:**

**Mr. Thevarupan**

**Name of student:**

**P. kirishanthi**

**(Developer Track)**

**Registration Number:**

**BAT/IT/2018/FT/0018**

## Table of Contents

1. Introduction.....	3
2. Background and Motivation.....	4
3. Problem in Brief.....	5
4. Aim and Objectives.....	6
4.1. Aim.....	6
4.2. Objectives.....	6
5. Proposed solution.....	7
5.1 Module Activities.....	7
6. Resource requirements.....	8
6.1. Hardware Requirement.....	8
6.2. Software Requirement .....	8
6.3. Languages .....	8
7. References .....	9

## **1. Introduction**

Medical field is very important to human life because it can save a thousand of life.

Clinic Management System is a system that can help the clinic to manage their daily activity. This system help reduce the problems occur when using the manual system. This system enables doctors and clinic assistant to manage patient records, medicine stock, and Appointment and produce reports.

The system is developed due to the problems that exist when using the manual system. Data inconsistency, data mix with other data and problem regarding reporting is the main problem that the user is facing. Due to that, this system is developed to overcome the problems.

This system is easy and simple to use and it can help the clinic to manage their activity and at the same time overcome the problem.

By using these kinds of system all the patient information will be save into database in Systematic and efficiently. This also can reduce the lost data problem because all the information will be kept in the database. Also those data will be available for user to see his history from anywhere

## **2. Background and Motivation**

I have selected the clinic-site hospital from the northern part of the ampara district. Kalmunai north hospital is a government hospital in kalmunai , Sri lanka . It is controlled by the central government in colombo. The hospital is sometimes called kalmunai north base hospital.

Nowadays, most of the Businesses and Institutions are still using an old system of recording, which is done manually. The stuff/assistant are still experiencing an old tradition of recording, where it consumes more space, time, paper and other problem redundancy to find/store the patient's information. One of the most vital institution that need a computerized recording are Clinics.

The patient will be ask by the dental aide and done just by recording the patient's name, age, birthday and gender. After the recording the patient will undergo treatment done by the dentist. And when it through, the treatment which is done for the patient will also be listed to his/her summary of information with his/her last treatment to the clinic, to be able to identify the last dental treatment.

The Clinic Management System is divided into two, where the admin and user can be login separately. The Admin is the one that can add, delete and change about the user's information and also about the patient's information. The user, unlike admin is only responsible for keeping/recording about the patient's information. The Clinic Management System can view the master list of all the patient's details. The computerized system is not only responsible for recording the details about the patient, it also provide an information about the hired stuff/assistant. It can also provide a printed copy of the master list.

### **3. Problem in Brief**

Manual recording system, even in today's world can still provide an effective and useful way to record and deliver an efficient information system. But it lacks the ability to auto-sort the records. Employees will have to do it manually and takes time to properly arrange the records. Another concern is the issue of quality of the paper record. There are limitations to the quality of the paper record. Paper is fragile and does not last permanently. Normal use of the record may result in torn or stained documents. Also, over the years, ink used to complete documentation can easily fade which result in information's being erased. Staff hired to assemble, file, retrieve, or distribute the hard copy is costly expense.

The clinic management System is designed and developed to guarantee the removal of various problem or to eliminate the problem of redundant that was increase the inefficiencies in data to be retrieve. These keeping of records were caused by the data, under the manual recording system was entered into books and paper files

## **4. Aim and Objectives**

### **4.1. Aim**

The aim this project is to fully automate the clinic daily operation by leading the clinic to operation by leading the clinic to operate in effective and efficient way through the help of the system so that they could eliminate the paper work that originally happened in a clinic.

### **4.2. Objectives**

- To keep track of patient record.
- To keep track of doctor record
- To collect information on general problem confronting the clinic center.
- To study identified problem. Design and develop a clinic database system that will help solving these problem.
- Improve efficiency and quality of service delivery in the clinic.

## **5. Proposed solution**

The proposed solution of the manual clinic management system is to develop a computerized clinical management system. This new system will replace the current system that is used in clinic and surely this system will improve the clinic services and make their daily operation running smoothly. Before developing the proposed system, there is need to identify,

The objectives and goals of the system were defined clearly include the project scoped. In this case, the objectives and goals of the system are to improve the management process in clinic and at the same way to improve process of recording data and data retrieval. After this, the risks of the system are been identified and evaluated. Identify the tools that going to use in the development process.

This phase includes identifying the data, the functions of the system, and the requirements for the system.

### **5.1. Module activities**

- Appointment schedule
- Registration
- Employee profile
- Lab module

## **06. Resource requirements**

### **6.1. Hardware Requirement**

- Pc or laptop with minimum core 2 duo processor
- Memory : 1 GB RAM
- Hard drive : 4 GB

### **6.2. Software Requirement**

- Operating system: Windows 7 or above
- MySQL server
- Text Editor

### **6.3. Languages**

- HTML
- CSS
- PHP
- MySQL



## 7. References

- Valade, J, Ballad, T., & Ballad, B (2008) PHP & MySQL web development all-in-one desk reference for dummies. Hoboken. NJ: Wiley.
- HTML editor software , web design software| Adobe Dreamweaver CS6.(n.d.) Adobe. Retrieved January 2, 2013, from <http://www.adobe.com/products/dreamweaver.htm>.
- Singh, V. P. (2006). Macromedia Dreamweaver 8. New Delhi: Computer Publications.
- Gruber T., 1993, A Translation Approach to portable Ontology, Knowledge Acquisition.