**Chapter 1**

**PROBLEMS AND ITS SETTINGS**

**Background of the Study**

As the technology age continuously grow, some of the small maternal clinics cannot keep up with the fast pace. Through the use of papers in recording information, piles of patient’s information and their medical records are stored in their respective filing cabinet. It causes a slow retrieval of files, and sometimes misplacement of some records due to overloading of files in the filing cabinet. The process of generating of report, too, takes time because the staff in-charge needs to retrieve a record and create a report using pen and paper.

The proponents recognized that there is a problem in the storage of the patient’s records and the generating of reports. It was believe that a dynamic patient record management system is needed to solve the problem on recording process.

The proponents aimed to develop a Patient Record Management System which is expected to automate most of the transactions and clinical services of the clinic giving emphasis to management, retrieval, storage and reports of the patient’s records.

**Objectives of the Study**

The general objective of the study is to develop a Patient Record Management System that automates most of the transactions and Pre-natal service of Jewel’s First Maternity and Lying-in Clinic.

Specifically, it aims to:

1. Design a Patient Record Management System with the following features:

a. Manages the confidential files of the patients

b. generate a correct and concise report of the patients

2. Create the system using PHP framework and MySQL

3. Test and improve the system in terms of Reliability and Functionality

**Scope and Limitation**

The study focused on the development of a Patient Record Management System specifically to pregnant patients, that allows users to manage, retrieve, and edit the patient’s records, create general profile reports, check-up results reports and statement of account, fasten-up the time of pre-natal check-up that includes examination of the Medical History and Physical Examination of the pregnant patient. The study also allows the user to create an appointment between the pregnant patient and doctor, manage the admission and discharge and it can manage also the profiles of the doctors in the clinic.

The study is limited only to the Jewel’s First Maternity and Lying-in Clinic where the system has been configured and can be also accessed by authorized clinic personnel. It does now support the clinic to handling newborn records, incident record sharing and generation of reports pertaining to newborn patients.

**Significance of the Study**

This study that we developed and will deploy can help the Jewel’s First Maternity and Lying-in Clinic on processing the Pre-natal check-up, profiling of the patient and the doctor, creating appointments between the patient and the doctor/nurse, can manage the check-in and check-out of the patient inside the clinic and this system can fasten the time on issuing a Statement of Account of the patient. The system can also provide general and individual reports of the check-up results of the patients, their profile and the report of the Statement of Account.

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