

Thesis Proposal For

PATIENT INFORMATION MANAGEMENT SYSTEM FOR GAMBY GENERAL TEACHING HOSPITAL

Group Members

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Back Ground

Gamby was first founded in 1989 by group of five members and the name Gamby is the collection of the first letter of their names so the name Gamby stands for

- G-Gebyaw
- A-Alemnew
- M-Mekonen
- B-Bekele
- Y-Yelekal

The company has know one branches in bahir dar it have so many parts in it those are

- Gamby higher clinic
- Distribution of drugs
- Health teaching collage
- Gamby hospital

Abstract

This project is to develop a web based system that enables to control the entries hospital information flow. These includes the communication between the receptionists and the doctor and the interaction from the doctor to any other departments within the hospital like between the laboratory, X-ray, pharmacy and the reverse communication.

These also includes other important things like the admit ion of the patient that are allowed to for admit ion by the doctors and the other basic issue is following patients that are going to home and have an appointment to solve these the system will able to send to the patients automatically an SMS message to the patient phone. The system also enables the doctors to view their patient's information when they are out of office using any platform with only requirement of internet connection.

Introduction

Know a time health becomes a big problem in our country and all over the world and hospitals are becoming crude by patients so using computer based information management system in the hospitals became critical.

Know a time disk top applications for patient information management is well adopted but these doesn't solve the big problems in the hospital and these is improved to a web based patient information management system again these is only manages the patients information which solves the hospitals receptionists job only it doesn't solve the many problems of the patients.

Managing the entire hospital using the above mentioned system is snot enough so it's necessary to use a web based system to manage the entire patient's information with in the hospital

Objective

General objective

The main aim of these project is to use web based systems to monitor the patient's information with in the hospital and make the patients treatment processes efficient and easy as possible.

Specific objective

The main purpose of these project to avoid the difficult that faces both the hospital and the patients by using computer web based systems by minimizing

- ✓ The patients challenge.
- ✓ Minimize the cost that the hospital spends to manage his information manually.
- ✓ To enable the doctors to make better decision.

Problem Statement

- Patient's data is difficult to search because patient's data is registered in hard copy so if you want previous patients first the patient has to come with the card given to him in his first registration. If he forgets his card the patient's previous data can't be discovered so the patient is treated as a new patient and this makes it difficult for the doctor to see the patient's background and the drugs previously given to him.
- It's difficult for an ill person to take cards from doctors to laboratoryists from laboratoryists back to doctor from doctor to pharmacy, to x-ray room etc. the patient may drop the paper in the way.
- There is no any way to remember the patient about his appointments given by the hospital so many patients miss their appointment and the diseases go to another step since not treated on time.
- The doctors can only be able to treat the patients and view patients by going physically to the hospital which makes it difficult for the doctors to see their patient's information anywhere at any time.

Scope

The scope of these project includes the information management with in the hospital it doesn't includes forums or social networks for communication between patients to patient or from doctors to doctor or from doctor to patients and these project also doesn't include patients information exchange or communication between two different hospitals which are referred patients information is not transferred to the referred hospital through the system.

Material Requirement

The software and materials that may require for the system are

- Computer free(lab)
- JDK(Java Development Kit) open Source
- Java IDE(Integrated Development Environment)
open source
- Database(SQL) cracked
- Bootstrap open source
- OZEKI SMS module free (crack)
- SMS Modem 2000 Birr

Time Schedule

W1,w2.w3	W4,w5 ,w6,w7	W8,w9,w10, w11	W12	W13	W14,w15 (sena 5)
Requirement Elicitation and analysis	Design	Implementation	Testing	Deployment	maintenance

Conclusion

We are asking the faculty of computing to grant us to do these project as our final thesis because we have worked abut patient information management in so many projects in our previous courses so we are so familiarly with the requirements and the managing staffs of the hospital so we can do these project more efficiently than any other can do.