

Abstract

The purpose of the project entitled as “HOSPITAL MANAGEMENT SYSTEM” is to computerize the Front Office Management of Hospital to develop software which is user friendly simple, fast, and cost-effective. It deals with the collection of patient’s information, diagnosis details, etc. Traditionally, it was done manually.

The main function of the system is register and store patient details and doctor details and retrieve these details as and when required, and also to manipulate these details meaningfully System input contains patient details, diagnosis details, while system output is to get these details on to the screen. The Hospital Management System can be entered using a username and password. It is accessible either by an administrator or receptionist. Only they can add data into the database.

The data can be retrieved easily. The data are well protected for personal use and makes the data processing very fast.

Challenges

Lack of immediate retrievals:

The information is very difficult to retrieve and to find particular information like- E.g. - To find out about the patient’s history, the user has to go through various registers. This results in in convenience and wastage of time.

Lack of immediate information storage:

The information generated by various transactions takes time and efforts to be stored at right place.

Lack of prompt updating:

Various changes to information like patient details or immunization details of child are difficult to make as paper work is involved.

Error prone manual calculation:

Manual calculations are error prone and take a lot of time this may result in incorrect information. For example calculation of patient's bill based on various treatments.

Preparation of accurate and prompt reports:

This becomes a difficult task as information is difficult to collect from various register.

Understanding the product's design

- This project we use fxml and css.
- We use specific class and object name.
- We use scene builder in this project (Design purpose)
- Design is unique and easy to understand user.

CONCLUSION

Since we are entering details of the patients electronically in the "Hospital Management System", data will be secured. Using this application we can retrieve patient's history with a

single click. This processing information will be faster. It guarantees accurate maintenance of Patient details. It easily reduces the book keeping task and thus reduces the human effort and increases accuracy speed