



Hospital Management System

*Yash shah, *Amaan shaikh, *Nirali Naik

1Student, 2Student

1parul university,

2paruluniversity

Abstract: - The main reason behind to build a hospital management system is to replace the existing, manual paper system with the help of system we can easily manage the data and can be stored easily in database. At the time we don't get panic situation situation to find some records which was manual on books but with this system any records can be found within minutes. The system can be used in any hospital, clinic, diagnostics or pathology lab for patient detail and results. The tools used to implement the system are Hypertext Markup language (HTML), Cascading sheets(CSS) , Hypertext Preprocessor (PHP) , and Mystructured Query Language (MySQL).

Background/Introduction: -

The hospital management system includes registration of patients, storing their disease details into the system .System will contain doctor's information and will digitalize the whole paper billing system .In this software there has been facility to give a unique id for every patient and staff automatically . We have mentioned a search facility to know the current status of each room. User(patient) can search the availability of a doctor and detail of a patient using the unique id.

The Hospital Management System can be used by entering respective username and password. System can be accessible either by administrator or receptionist, and only verified person can add data in database or can delete or update data in database. The data can be retrieved easily from database. The interface is very user friendly. The data are well protected, and processing of data is very fast and accurate and relevant.

Discussion: - The system browser is based on architecture; that consist of MySQL database for lower level. The front end has been developed in PHP, with the help of libraries and code segment from phpbuilder.

The solution (system) could very well be implemented in one database but due to fact that hospital has small server, so it is better to make separate database so that if database size is grown it can be distributed over different machines.

The website interface is designed with HTML and styling to the interface is to be applied with CSS. At initial stage the system which is prepared will be static in nature because it is not connect to browser http so we have to make every change in it and after that when system is ready and connected with the http the system will work dynamically and loading of website is done suggestion is shown in the system.

It states that hospital find time consuming process because the need to enter the patient's data manually where they need to enter drugs to be given, payment receipts, and due to that they lead to delay in medical reports. Due to this manual record system, there is no security for records and problems like illegal modifying data and updating records without knowing anyone and can lead to trouble for hospital. Due to this staff usually waste a lot of time for searching old records because it is written manually and not handle with care. The system is built on relational database system for database and can easily

Read any type of data. The Interface were developed using PHP, CSS and HTML and MYSQL. They have used PHP for creating links manipulate pages and manage relational database storage functions. MYSQL is used for creating and connecting relational tables to database. HTML was used to develop front end (GUI).

Conclusion: -With this HMS problems that was existing to store data manually is solved. Security is maintained. System requires authentication. The system does not alert the pharmacy on expiring of drugs and department such as security and assets are not included in design. Therefore, developing HMS system will be an attractive research inn future

References: -

- 1) Design and Implementation of Hospital Management System
Adebisi O.A, Oladosu D.A, Busari O.A and Oyewola Y.V Department of Computer Engineering Technology, the Polytechnic, Ibadan.
- 2) Hospital Management System
Pranjali Anpan, Roshni Udasi, Susneha Jagtap, Shon Thakre, Chalika Kamble.
- 3)Healthcare management system and domain search of nearest medical services
1Ruchi Dumbre, 2Purva Raut, 3Bhagyshree mahamuni, 4Priyanka Khose, 5Prof.Jagruti Wagh.
- 4) Developing effective hospital
management information systems: A technology ecosystem perspective Christopher Bain Edith Cowan University, bainchri@optusnet.com.au