

INTERLINKED HOSPITAL MANAGEMENT SYSTEM

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Abstract

An Interlinked Hospitals Management System is a one-of-a-kind web-based health management system that connects all of the country's hospitals for effective hospital management. The goal of this project is to address the obstacles that hospitals face on a daily basis, particularly obtaining historical patient records in any hospital during an emergency. Treatment of one or more cases. This is accomplished by proper data capture, storage, retrieval, and management (including medical data) diagnostic history and billings) that can handle a large number of patients; decreasing the manual system's paper work burden and aiming at enhancing the health-care system. The functional requirements acquired from the problem definitions and analysis were used to create and implement the framework for this system development. Rapid Application Development is the method employed (RAD). The front-end programming tool used java, HTML, CSS, and JavaScript, while the PHP, XAMPP Server Engine can be used at the back-end. Biometric Fingerprint Technology and the back-end On the Windows 7 operating system, the system can be effectively deployed. The framework for this system development can be created and implemented using the functional requirements obtained from the problem descriptions and analysis. The method used can be Rapid Application Development (RAD). The front-end programming tool used java, HTML, CSS, and JavaScript, while the back-end used PHP and the XAMPP Server Engine. The backend and biometric fingerprint technology the system can be successfully installed on the Windows 7 operating system.

1 Introduction

A medical institution is primarily concerned with patient diagnosis and care. According to [2,] providing complete and up-to-date patient data in a timely manner is essential. For decades, clinicians/hospitals have been one of the most important groups of people. Information must meet stringent requirements. In the field of healthcare, technology is becoming increasingly important. To what extent does the is it relevant whether or not patients are content with the care they have received? Not only to the doctors' knowledge in their specialty, but

also to the patients' the level of service provided by the hospital administration system to make the patient's processes easier [1]. Patients in poor nations now spend a significant amount of time in clinics/hospitals where they have registered, waiting for services to be delivered by doctors or health care providers. The reason for this is that most health care facilities are understaffed personal computers are now being used in schools and hospitals. in their data processing and manual system management, which leads to a slew of issues: a lack of consistent data collection, challenges in extracting accurate data from illegible manual records, and storage issues updating records or retaining historical data on patients information on diagnostics, .

1.1 Implementation

The system coding can be completed using the system architecture, database design, and Rapid Application Development (RAD) methodology. The front-end can be created during the coding phase. JavaFx, HTML, and other programming development tools are used. CSS, JavaScript, and PHP, as well as the XAMPP Server Engine. At the back-end, they were utilized. The system can be made to work with in the coding, the Biometric Fingerprint SDK and API framework. As a result, the implementation can be completed.

2 Conclusion

Managing a health facility can become increasingly complex as the number of patients grows, but it can be made simple with the use of an effective and efficient system. Proper The cornerstones of an information management system include patient's health care and, as a result, is suitable for emergency situations. The papers in this section are focused on work carried out on hospital administration systems, but with little or no remuneration use of cutting-edge technology such as biometric fingerprints into the hospital's data management system. Taking care of patients in an emergency situation. As a result, the goal of this project is to study, build, and implement a system that will allow medical professionals to improve patient care, patient safety, and efficiency (by allowing them to access patient historical medical records and reducing the stress associated with tracking). Keeping better records, minimising hospital wait times, and boosting patient satisfaction are all goals (a higher number of patients serviced) and lower costs. It is simple to use access to crucial data, allowing management to make better decisions to make more timely decisions when caring for patients. The Ministry of Education will benefit much from this work. National and state health officials, as well as local government officials inside the levels to rapidly examine pharmaceutical information country.