

# Maintaining Patients Record In The Hospital Using Modern Technology

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**Abstract-** Nowadays, most of the Businesses and Institutions are still using an old system of recording, which is done manually. The staff/assistant are still experiencing an old tradition of recording, where it consumes more space, time, paper and other problem redundancy to find/store the patient's information. One of the most vital institution that need a computerized recording are Clinics.

The patient will be ask by the dental aide and done just by recording the patient's name, age, birthday and gender. After the recording the patient will undergo treatment done by the dentist. And when it through, the treatment which is done for the patient will also be listed to his/her summary of information with his/her last treatment to the clinic, to be able to identify the last dental treatment.

## I. INTRODUCTION

Indian medicine has a long history. Its earliest concepts are set out in the sacred writings called the Vedas, especially in the metrical passages of the Atharvaveda, which may possibly date as far back as the 2nd millennium BCE. According to a later writer, the system of medicine called Ayurveda was received by a certain Dhanvantari from the god Brahma, and Dhanvantari was deified as the god of medicine. In later times his status was gradually reduced, until he was credited with having been an earthly king who died of snakebite

## II. HISTORY

Indian medicine has a long history. Its earliest concepts are set out in the sacred writings called the Vedas, especially in the metrical passages of the Atharvaveda, which may possibly date as far back as the 2nd millennium BCE. According to a later writer, the system of medicine called Ayurveda was received by a certain Dhanvantari from the god Brahma, and Dhanvantari was deified as the god of medicine. In later times his status was gradually reduced, until he was credited with having been an earthly king who died of snakebite

## III. TECHNOLOGIESUSED

- A certified, efficient EHR system
- Surgical and service line technologies
- Smartphones, tablets and applications
- Hybrid operating rooms.
- Telehealth tools
- Ultrasound imaging devices
- Infection detecting technologies
- Social media
- Patient-friendly technologies.
- Healthcare staffing management tech.

## IV. GENERL OBJECTIVES

The general objective is to design and develop a Clinic Management System (CMS) for Dental Clinic to improve and make the system from manual to computerized that would enable the clinic for faster and more efficient storage, retrieval and updating of the clinic's record.?

Clinic Management System was primarily developed to improve the clinic's system for storing data or information about the patient and the employee.

The system was focused on moving the manual system into computerized system that update and also accommodates the process of viewing and storing information about the patient and also for the employee that is also responsible for records. The system also deal with searching capability procedure of recorded patient and employee which helps the user for easy retrieval of the records.

## V. ADVANTAGES

- Strengthens the Patient and Practitioner Relation.
- Automates Processes. ...
- Activates Notification System. ...
- Generates and Keeps Track of Patient Records. ...
- Facilitates Room Management. ...

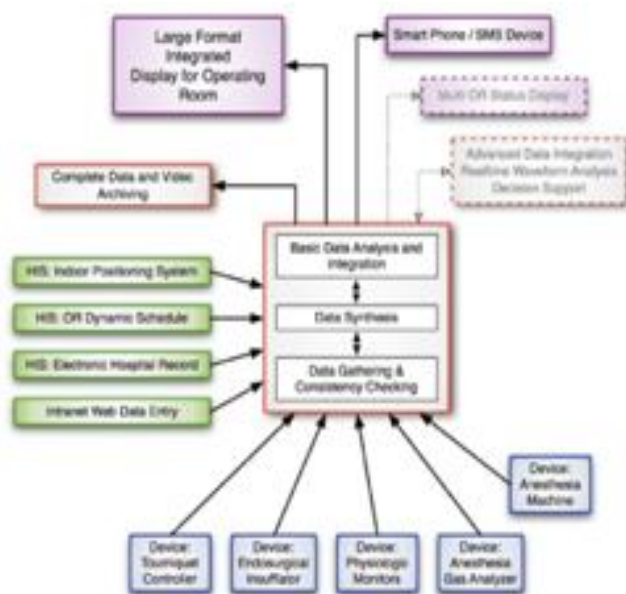
- Helps maintain Patient's Medical History

## VI. SPECIFIC OBJECTIVE

The project's specific objectives were;

- To carry out the system problem for the possibility of developing a Clinic Management System for improving and modernization of the system.
- To design and develop a Clinic Management System for the dental clinic.
- To test and validate the Clinic Management System for the dental clinic.
- To implement the Clinic Management System for the dental clinic.

## VII. BLOCK DIAGRAM



## VIII. APPLICATIONS

The primary purposes are associated directly with the provision of patient care services. They can be classified into the following categories: Patient care delivery, patient care management, patient care support processes, financial and other administrative processes, patient self-management

## IX. CONCLUSION

Medical records form an important part of a patient management. It is important for the doctor and medical establishment to properly maintain the records of the patient for 2 important reasons. First one is that it helps in proper evaluation of the patient and to plan treatment protocol.

Second is that the legal system relies mainly on documentary evidence in cases of medical negligence. Therefore, medical records should be properly written and preserved to serve the interest of doctor as well as his patient.

## REFERENCES

- [1] Behere SB. Doctor & law. Dr People. 2010;2(7):11–14. [Google Scholar]
- [2] Singh S, Sinha US, Sharma NK. Preservation of medical records—an essential part of health care delivery. IJFMT. 2005;3(4):1–8. [Google Scholar]
- [3] Thomas J. Medical records and issues in negligence. Indian J Urol. 2009;25(3):384–388. doi: 10.4103/0970-1591.56208. [PMC free article] [PubMed] [CrossRef] [Google Scholar]
- [4] Baldwa M. Practical definition of medical negligence. Dr People. 2010;2(7):5–10. [Google Scholar]
- [5] Basu RN, Bose TK. Medico-legal aspect of clinical and hospital practice. Mumbai: English Edition Publishers; 2005. pp. 86–89. [Google Scholar]
- [6] Navarange JR. Medical negligence. Dr People. 2009;2(4):4–7. [Google Scholar]
- [7] Modi CD. Organisation and management. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd; 2001. pp. 348–361. [Google Scholar]
- [8] Agarwal OP, Barkeshli M. Conservation of books, manuscript and paper documents. Lucknow: INTACT; 1997. pp. 25–48. [Google Scholar]