**SYNOPSIS**

**Report on**

**<<Hospital monitoring System >>**

**by**

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**ABSTRACT**

Our project Hospital Monitoring system includes registration of patients storing their personal details, symptoms and then managing their appointment with specialised doctors available in the hospital. Our software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. User can search availability of a doctor and the doctors can get patient’s history. The Hospital Monitoring System can be accessed using a mobile number and otp. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast. It is having mainly three modules. One is at Administration Level and other one is patients and the third module is used by doctors. The Application maintains authentication in order to access the application. Administrator task includes managing doctors information, patient’s information. To achieve this, a database was designed one for the patient and other for the doctors which the admin can access. The doctor module has the appoints and it also has patient’s medical history for reference, they also have access to edit patients symptoms and reports. The complaints which are given by user will be referred by authorities. The Patient modules include checking appointments, prescription. User can also pay doctor’s Fee online

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Overview the Hospital Monitoring system includes registration of patients storing their personal details, symptoms and then managing their appointment with specialised doctors available in the hospital. Our software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. User can search availability of a doctor and the doctors can get patient’s history. The Hospital Monitoring System can be accessed using a mobile number and otp. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast. This system has four modules.

* Admin
* Doctor
* Room
* Patient

The Application maintains authentication in order to access the application. Admin module includes managing doctor’s information, patient’s information, rooms in the hospital.

The room allotment module is designed to check which rooms are available in the hospital.

It allots rooms and bed to the patient according to their symptoms or following the doctor’s advice.

Doctor’s modules stores the details of the doctor like doctor’s duty time, their specialisation, room numbers where their patients will be/are admitted.

This module will also show the doctors, what all appointments are their for the day.

This module is used to accept all the details related to the patient like their name, phone number, their symptoms, medical history, etc.

This module will also tell the patient the time slot in which they are going to visit doctor.

The module will also show the patient the prescriptions and next appointment schedule by the doctor.

**2. Literature Review**

One of the major challenges existing hospital management systems face is around operational efficiency and wait times between different processes, departments and persons. This paper highlights such limitations of existing systems and facilitates real time tracking of hospital assets, personnel and patients as they move through pre-set procedures as part of daily activities of the hospitals. The **s**ystem covers the visual simulation and providing ability to analyse the ongoing operations so they can be corrected to achieve increased process efficiency and service levels.

**3.Project/Research Objective:**

• To improve the management faciality of hospitals.

• Recording information about the Patients that come and recording information related to diagnosis given to patients.

Providing with the specialised doctor for best treatment.

• Eliminate any chances of Manual Error.

**4.Methodology**

Systems are designed keeping in mind an issue that is to be solved. Every system is designed in its unique keeping in mind the requirement of the problem or the issue. Our system solves the problem of searching for the good that the customer’s needs. System design involves the design of overall architecture, based on which we design components, modules and interfaces. The beginning of any system architecture is by decomposing it into smaller fragments. Decomposition and binding of components makes the architecture easy to understand and makes it easier to understand. Our system uses algorithm for collecting data which will collect the data of user and we have data analysing algorithm which will analyse and highlight the needs of user.

**5.Project Outcome:**

The main aim of our project is to provide a paper-less hospital up to 90%. It also aims at providing low-cost reliable automation of the existing systems. The system also avoid the registration queue and hence managing the crowd effectively.The system also provides excellent security of data at every level of user-system interaction and also provides robust & reliable storage and backup facilities.

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