**MEDI TRACKING**

**Abstract:**

This project aim is to provide the management in hospitals. And providing good services to the all users (doctors, patients and etc...). Managing of entire hospital by one person is very difficult. So, every hospital needs an online system whereby it can accommodate the patients comfortably and avoid any confusion to the doctors regarding their work. There should be a system where the patients are categorized under insurance policy and non policy holders and the system helps the hospital management to claim the bills from concerned insurance companies. All these needs and much more are fulfilled in MediTracker. MediTracker also provides the management reports like schedules, appointments of doctors, inpatients, insurances and discharges. And also used to generate bills dynamically for the discharged patients etc… The administrative user can create new users/employee accounts. He/she can add the doctor’s information as well as new doctor’s details. Accountants can add information related to room’s availability, bills and insurance information. The administrator can view the management reports and bills. MediTracker thus ensures smooth operation of the hospital management tasks as well as offering facility to the patients.

**Existing System:**

In existing system, It maintain the only account details and user (Doctors and patient) details. The system cannot concentrate to providing the intercommunication between Doctors and patients. Means, a doctor give the prescriptions to the patient through software. It is failure to share all information to admin, doctors, and accountants. And they are manually providing the patient information to the insurance companies. The existing system is failure to providing quality management in hospitals.

**Disadvantages:**

* The system cannot concentrate to providing the intercommunication between Doctors and patients.
* It is failure to share all information to admin, doctors, and accountants.
* And they are manually providing the patient information to the insurance companies.
* The existing system is failure to providing quality management in hospitals.

**Proposed system:**

Proposed system is a software application which avoids more manual hours that need to spend in record keeping and generating reports. This application keeps the data in a centralized way which is available to all the users simultaneously. It is very easy to manage historical data in database. No specific training is required for the employees to use this application. They can easily use the tool that decreases manual hours spending for normal things and hence increases the performance. As the data is centralized it is very easy to fix an appointment of doctor with a patient immediately.

**Advantages:**

* It is providing the intercommunication between Doctors and patients.
* This application providing the keeping the records and generating the auto reports.
* It is providing a best feature to share all information to admin, doctors, and accountants.
* And they are manually providing the patient information to the insurance companies.
* This is providing the quality management in hospitals.

**Modules:**

The System after careful analysis has been identified to present with the following modules.

**1. ADMIN MODULE:**

The administrative user can create new users/employee accounts. He/she can add the doctor’s information as well as new doctor’s details. And the admin can add the patient details; add the appointments to related doctors. The administrator can view the management reports and bills.

**2. EMPLOYEE INFORMATION & DOCTORS MODULE:**

This module maintains all the information, which belongs to the employees who are working with the Hospital. This module maintains all the information of doctors in the hospital. All the doctors’ details are recorded to database and can be viewed as a report that displays the schedules of doctors.

**3.PATIENTS & APPOINTMENTS MODULE:**

This module deals with major and crucial part which includes information of patients admitted either as inpatient or as outpatient. This module provides interface to add the Patients details and can be viewed as a report about the patients. The insurance claiming will be processed with the name of his guardian. All the users means Admin, Doctor and Accountant can view the full details of patients.

**4.ACCOUNTANT MODULE:**

This module deals with details of available rooms in the hospital for inpatients. According to the availability, the patient can choose the room. And they can allot the new rooms for the patients. Accountants can add information related to room’s availability, bills and insurance information

**SOFTWARE REQUIREMENTS:**

* Languages : Java
* Technologies : Java script , HTML, CSS
* Web server : Apache Tomcat server
* Data base : My SQL
* Operating system : windows xp/7/8

**HARDWARE REQUIREMENTS:**

* Hard disk : 100GB
* RAM : 512 mb.
* Processor : Intel Pentium 4.