**Project Name : Hospital Management System**

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**ABSTRACT**

**Introduction**

This project deals with the Corporate Medicare Management. This project is very helpful to both Medicare staff as well as to the public. It is having mainly Administration and Client modules.

The growing quality demand in the hospital sector makes it necessary to exploit the whole potential of stored data efficiently, not only the clinical data, in order to improve diagnoses and treatments, but also on management, in order to minimize costs and improve the care given to the patients.

This project adds the details of every individual patient and the staff appointed to them, it stores the schedule of doctors and their operation timings. It is a user friendly system which can be used by any person. It can also store the duration of a patient till the time of discharge. It helps in the satisfaction of the user and the public itself.

**Hardware & Software Requirement Specification**

OPERATING SYSTEM : WINDOWS 7 and more

SOFTWARE : NET BEAN 8.2

LANGUAGE : JAVA

PROCESSOR : Intel® Core (TM) i3 and more

PROCESSOR SPEED : 2.4GHZ

HARD DISK : 40GB

RAM : Minimum 2GB

DATA BASE : .DAT file

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It is a process of implementing all the activities of the hospital in a computerized automated way to fasten the performance. This project is to maintain the patient details, lab reports and to calculate the bill of the patient. You can also manually edit any patient details and issue bill receipt to patient within few seconds.

This project gives the procedural approach how a patient gets treatment, details about date of treatment and finally depending on different criteria like room allocated, lab reports, treatment and medicine take etc., how billing is calculated.

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**SYSTEM ANALYSIS**

**3.1 Objectives:**

The main objective while implementing the project E-Health care management System was to minimize the work and at the same time increase the speed of the work done.

**3.2 Problem specification:**

 Hospitals currently use a manual system for the management and maintenance of critical information. The current system requires numerous paper forms, with data stores spread throughout the hospital management infrastructure. Often information is incomplete or does not follow management standards.

1. Integration of Corporate Medicare centers is very difficult while it is having different branches.
2. In most of the cases the database is similar from one hospital to another hospital. In those cases also we can’t easily adapt a new technology in the new hospital.
3. It is very difficult to analyze the usage percentage of hospital resources, Bed occupation Ratio, Administration, Laboratory information even in a single center. Then we can expect the complexity while integrating multi-specialty Medicare Centers.
4. Room Reservations, Doctor Appointment Schedules, Operation Schedules, and Medicine indentation information is very difficult to maintain and share among the different Medicare Centers.
5. Lack of generic and unique model we have to implement the same set of data model for every newly established Medicare Center.

Forms are often lost in transit between departments requiring a comprehensive auditing process to ensure that no vital information is lost. Multiple copies of the same information exist in the hospital and may lead to inconsistencies in data in various data stores

**3.6 Software and Hardware requirements**

### **Hardware Environment**

* The HDD required for the application is minimum 40GB.
* The application works on minimum Intel core i3.
* It requires 2GB RAM.

### **Software Environment**

* The application is designed using Net Bean IDE 8.2.
* The technology used is Java.
* The database has been designed on .DAT file.

**DESIGN**

* 1. **Data Flow Chart**

START

Display the menu

Add the record of new patient

Input new filename

*Option = patient*

File exist

Input filename

Store the reports.

Option= Diagnosis

*No*

Display error message

Input Filename

Option=History

Display the history of patient

File Exist

File Exist

Input Filename

Option= Bill

*Yes*

Generate the Bill

Display error message

Option= Help

Display the uses of every option.

STOP

**4.2 Algorithm**

**Step 1:** Enter the correct password.

**Step 2:** Menu will be displayed choose the required optionyou want to perform.

**Step 3:** EnterOption 1 i.e. the administration module which enables us to perform the following operation illustrate below:

1. Insert the patient information
2. Update the patient information
3. View the patient information
4. Delete the patient information

**Step 4:** If number of patient>=max patients the display patient can’t be added and return

If person is outpatient go to step 6 else step 5**.**

**Step 5:** option 2 provides us to store patient personal information here we need to enter the following details:

1. Name :
2. Age :
3. Sex:
4. Address:
5. Weight:

**Step 6** Now enter option 3 i.e outpatient module which take the information of the outpatient i.e illustrated below:

1. Enter the ID :
2. Enter the dept depending on the disease :
3. Room number:
4. Date of admitted date of discharge :

**Step 7:** Now press 4 to create patient report which ask us to

1. Enter patient ID number:
2. Enter Weight
3. Enter Name of Doctor appointed to
4. Date
5. Enter Precipitation to be followed.

**Step 8**: now enter 5 to generate bill of the patient,to generate bill

1. Enter the id number of patient
2. Name Doctor appointed to
3. Doctor fee
4. Health card number(not compulsory)
5. Room bill
6. Medicine bill
7. Lab bill
8. Operation theatre charges
9. Nursing bill

**Step 9 :** Now press enter which will display you the total cost you charged.

**Step 10** :Exit