**26. HOSPITAL DEVICE MANAGEMENT**

**Abstract:**

Every hospital needs an online system whereby it can accommodate the doctors comfortably and avoid any confusion to the doctors regarding their work and facilities available in hospital. There should be a system where doctors can keep the order for the new inventories they required in hospital. All these needs of the doctor can fulfilled by the admin and finance department in the **HOSPITAL DEVICE MANGEMENT**. **HOSPITAL DEVICE MANGEMENT** is useful to record doctors request and the available recourses present in the hospital. It also records the information about the Doctors & Nurses, Employees/Staff, resources availability. **HOSPITAL DEVICE MANGEMENT** also provides the management reports like total Doctors and the equipments available and scheduled devices history will be tracked. And also used to generate new orders based on the requirement in hospital.

The administrative user can create new users and change their passwords. He can add the doctor’s information as well as new doctor’s details. He can check information related to device availability. The administrator can view the management reports. The administrator will be having the privileges to add new employee(Technical/Non-Technical)and also remove the employees. The doctors can change their own passwords. He can order the new devices according to requirement and information of device availability. Finance Department will get the new orders from administrator and they will get the new devices from the market. The finance department will assign the devices to the doctors according to their requests.

**Existing System:**

The following are the disadvantages of current system

1. It is difficult to maintain important information in books
2. More manual hours need to generate required reports
3. It is tedious to manage historical data which needs much space to keep all the previous years

ledgers, books etc.

1. The availability of devices can’t be tracked by the all resource persons.
2. The Devices can’t be utilized in a efficient order.

**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 track an request ,monitoring the devices and reporting.

**Modules Description:**

The system **“HOSPITAL DEVICE MANAGEMENT”** consists of 4 modules

1. Admin Module
2. Doctor Module
3. Finance Dept Module
4. Employees/Staff Module

**Admin Module:**

The Administrator can enter the all the details of the Doctors details and all the information related to the devices in hospital. He can track the information about the devices issued to doctors and request placed by the request of the doctors. He can view all the doctors, employees, finance dept staff and all the information related to the devices in the hospital. He can add new Doctors ,Employees and Staff in to **HOSPITAL DEVICE MANAGEMENT.**  He will assign the privileges to finance department staff to grant the request placed by the doctors.

**Doctor module:**

This module maintains all the information of the particular user, which belongs to the devices which are available in the Hospital. This module maintains the details of the devices issued to the user. This module place a request to the devices which he required. This can be maintaining Admin, Doctors, and Accountants. The Doctor also can track the devices which are present in the hospital and place a request to use the device. He can modify the details of his own like password and profile updation.

**Finance Dept Module:**

This module deals with view the profile and he can modify and update the profile. This module will look after the inventories, place a new order of devices and add the new devices which arrives the hospital. The device sanction is done based the request of the doctor and approval of the administrator. The devices can be updated and deleted from the list of inventories by the finance department module only.

**Employee/Staff:**

This module deals with view the profile and he can modify and update the profile. This module will be responsible for the inventory maintenance and monitoring of the devices in the hospital. This module people will deliver the devices to the doctors based on the sanctioned devices by the finance department to the doctors.