

Prakruti Ayurvedic Health Resort

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Abstract - The purpose of the project entitled as "Prakruti Ayurvedic Health Resort" is to computerize the Front Office Management of Ayurvedic Hospital to develop software which is user friendly simple, fast, and cost effective. It deals with the collection of patient's information, diagnosis details, etc. Traditionally, it was done manually. The main function of the system is register and store patient details and doctor details and retrieve these details as and when required, and also to manipulate these details meaningfully. System input contains patient details, while system output is to get these details on to the screen. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The data are well protected for personal use and makes the data processing very fast. Our software has the facility to give a unique id for every patient, User can search availability of a doctor and the details of a patient using the id. Our System can be entered using a username and password. It is accessible either by an administrator, receptionist, Medical, Doctor. Only they can add data into the database. 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.

Key Words: Ayurvedic, Health, Hospital, IPD, Management, OPD, Resort.

1. INTRODUCTION

The project "Prakruti Ayurvedic Health Resort" includes patients and doctors, storing their details into the system, and also computerized billing in the medical. The software has the facility to give a unique id for every patient and stores the details of every patient. The "Prakruti Ayurvedic Health Resort" can be entered using a username and password. It is accessible either by an administrator, receptionist, doctor and medical. Only they can add data into the database. The data can be retrieved easily. The data are well protected for personal use and makes the data processing very fast. "Prakruti Ayurvedic Health Resort" is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to Prakruti hospital. This System is designed for "Prakruti Ayurvedic Health Resort". The main aim of this project is to improve Ayurvedic medical services. Our project Prakruti Ayurvedic Health Resort and It is a web application which is develop for secure storage of patient's medical history. "Prakruti Ayurvedic Health Resort" is a pioneering medical tourism centre. The services of the resort pivots on the expertise of experienced ayurvedic doctors, technicians and support staff and equipped with complete infrastructure.

1.1 OPD (Out Patient Department)

In the system the OPD module is the basic module which provides the treatment for the patients who do not need to be admit in hospital i.e. the patients has come to one time visit only to the OPD section.

1. Admin

Admin module having following tasks in their module. First of all add new patient add new doctors in our system database, and also manage the patient details. If any condition doctor or patient wants to see old details of the patients then retrieving the data from the database and show the details of the patient. Admin can check the bill status, manage stock and generate reports.

2. Reception

Reception module having following tasks in their module. A receptionist are add new patient entry in the database, after patient entry they fill the case paper, and case paper are forward to the doctor. If patient wants to take appointment then receptionist are fill the appointment paper and gives the time to the patient.

3. Doctor

Doctor module having following tasks in their module. A doctor are view case paper, After checking case paper doctor are gives the prescription to the patients and this prescription are send to the medical for the medicine and also doctor update his details.

4. Medical

Medical module having following tasks in their module. According to doctor prescription it gives medicine and generates the bill and makes changes in stock.

1.2 IPD (In Patient Department)

In the system the IPD module is the advance module than OPD module which provides the treatment for the patients who do needs to be admit in hospital i.e. the patients who needs some advance treatments which are only provided by IPD section.

1. Security

Security module having following tasks in their module. Keeping check in and check out time with vehicle’s details. Also provide the parking space to the vehicle.

2. Reception

Reception module having following tasks in their module. A receptionist are do same work like as OPD. It also receives the case paper from OPD and views the patient details.

3. Housekeeping

Housekeeping module having following tasks in their module. It allocate rooms on the basis of packages by patient demand. Package will be luxurious or regular as per patient demand.

4. Doctor

Doctor module having following tasks in this module. It gives the treatments on basis of OPD’s case paper and prescription. Also gives the new treatment according to prescription.

5. Canteen

Canteen module having following tasks in their module. In canteen worker are follow the doctor’s advice and according to doctors suggestion they serve the food to the patient. Also gives the fruits and juice.

6. Medical

Medical module having following tasks in their module. According to doctor prescription it gives medicine and generates the bill and makes changes in stock.

2. PROPOSED WORK

The “Prakruti Ayurvedic Health care centre” this application is designed for replace their existing manual paper based system. The new system is to control the information of patients. Room availability, staff and operating room schedules and patient invoices. These services are to be provided in an efficient, cost effective manner, with the goal of reducing the time and resources currently required for such task.

The main objectives of the system is which shows and helps you to collect most of the information about Hospitality and Medical Services.

Table -1: Prakruti Ayurvedic Health Resort Management System Special Features

Sr. No.	Features
1.	Storing the patient’s and doctor’s information
2.	Limited the paper work and limited efforts
3.	Case papers are the important for every patient, system helps to fills the case paper, reduce the efforts and save time.
4.	System helps to storing large amount of data, security of data, accessing the data, minimizing data inconsistency.
5.	It makes easier billing mechanism.
6.	Helps to keep records of visitors and visitor’s vehicles for improvement of security.
7.	System keeps all records regarding the housekeeping in IPD section
8.	System makes better communication between canteen staff and patients and doctors.
9.	System provides SMS service for the patients to give them information about appointments, birthday wishes etc.

The features of the system helps to the organization to maintain the records in limited time and less paper work which helps to the done all work in limited efforts, the main contents of information is case paper which saves the all the information of the patients and case paper contains lots of data about the patient’s health and this data useful for the further treatments. Such a type of large amount of data stored consistently in the database system, system provides the security to the data and that data can be easily accessed by the authorized users. Every business is the main purpose that is earning therefore system makes the easier billing mechanism. Generally all the organizations having the security issues because of that issues keeps the records of visitors and visitor’s vehicle is important aspect. The better service is the key point of business therefore housekeeping services are being taken into consideration and keeps the records of that section is also important. The communication between the persons who involved in use case is should be

happened time saving manner therefore the SMS services are provided by the organization which helps to keeps all the users closer to the organization's services.

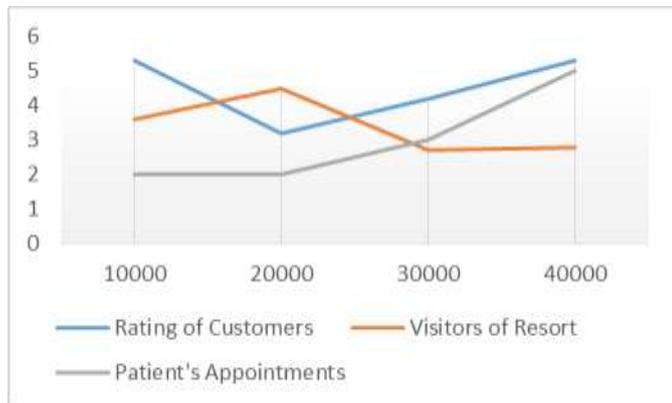


Chart - 1: Business point of view of the use of SMS service

Design and Implementation: The system firstly designed for OPD section which is the basic area of working in the system and which having the limited modules in it. System is based on all the Ayurveda concepts therefore the limitation is the user should well know the Marathi and English languages. The patients data in the case paper is safe and keeps personal and this is only know to the reception and doctor modules, the patients prescription is passed to the medical module and this is also keeps safe and personal and this is only know to the doctor and medical module in the system. After successful implementation of OPD section system will further fetched for the IPD section which having same modules as OPD and some additional and important modules are also included Security module, Housekeeping Module, Canteen module. All the data of patients and staff is keeps the protected and shown only by respected module. The Internet connection is required for the web application, the privacy limitation is based on the database security.

System Model: The Fig. 1 shows the software architecture of OPD section which gives the workflow between the all modules in the OPD section.

In the system the Patient, Receptionist, Doctor, Chemist are the users which operates the system.

System saves the time of users and do work in less efforts.

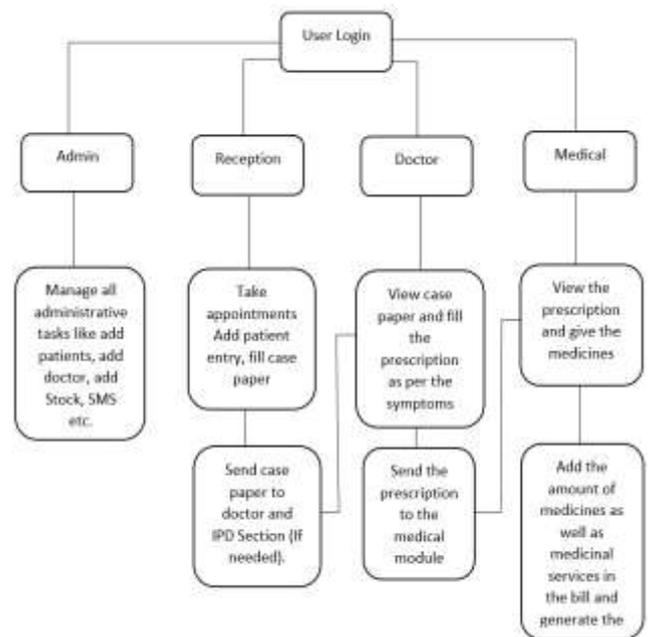


Figure - 1: Software architecture of the OPD section

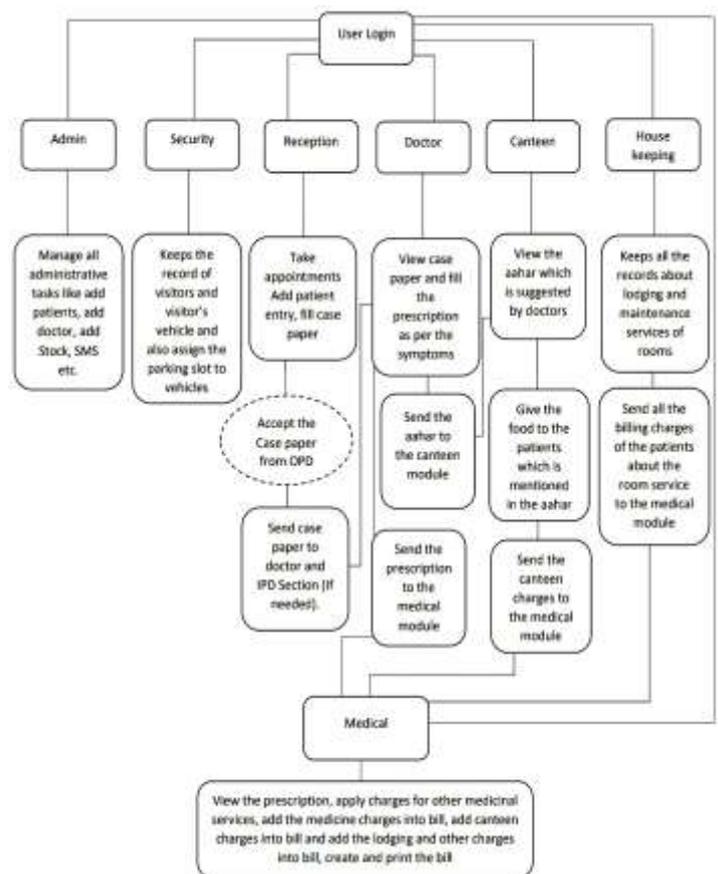


Figure - 2: Software architecture of the IPD section

The Fig. 2 shows the software architecture of IPD section which gives the workflow between the all modules in the IPD section.

In the system the patient, Security staff, Receptionist, Doctor, Canteen staff, Housekeeping staff and Chemist are the users which operates the system

The IPD section having large amount of tasks and responsibilities therefore the IPD module very much helps to reduce the efforts and saves the time.

3. CONCLUSION

The web application designed for “Prakruti Ayurvedic Health Resort” is very user friendly, time saving, effort saving and resources saving application. This application capable to provide easy and effective services to the patients. Admin having all the administrative authorities which helps to manage all the modules and some important tasks. All the working of the organization like from the taking appointment to the billing of all services is performed in effective manner. The application is working efficiently and helps to business growth of the organization.

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