**JEEVAN**

**ONLINEHOSPITAL MANAGEMENT CUM ONLINE APPOINTMENT SYSTEM**

PROJECT REPORT

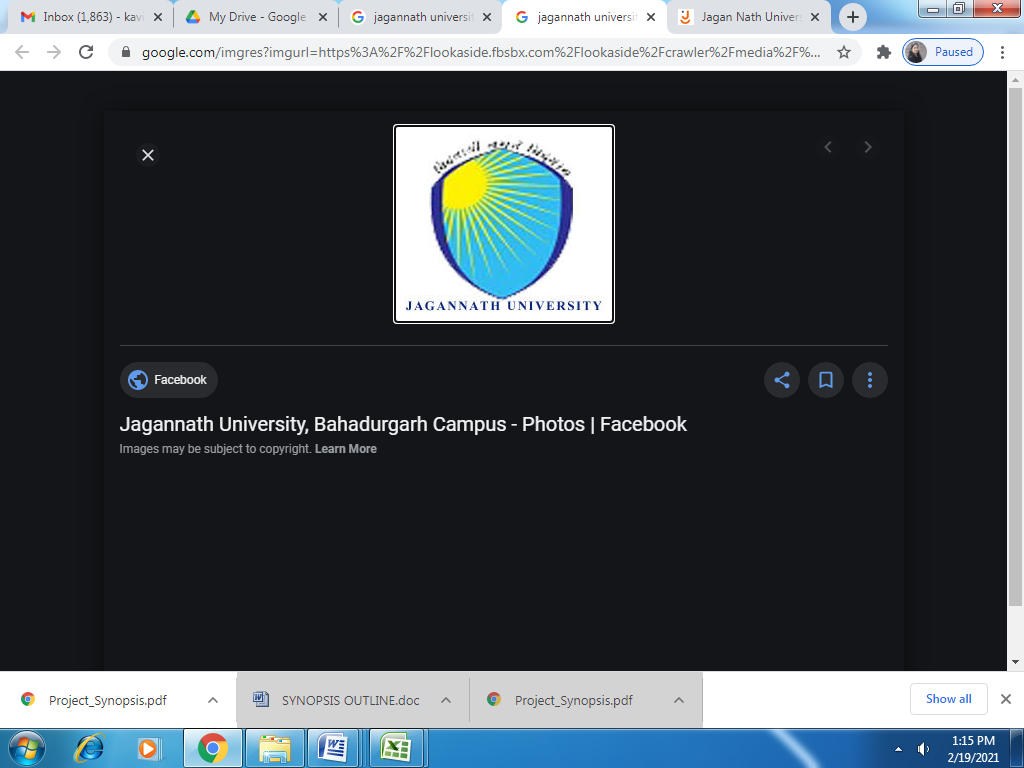
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**I**

**INTRODUCTION TO ONLINE HOSPITAL MANAGEMENT AND APPOINTMENT SYSTEM**

Health of citizen is the wealth of nation . India has contributed the most ancient Medical science **“AYURVEDA”** to the world besides other Medical sciences. This field had witnessed a rapid metamorphosis in all its sections. With immensely increasing advancement in the field of technology , ambit of medical sciences has enlarged making it more sophisticated , diagnosis, and cure-oriented. With the advancement of 21st century. Health care has become an industry having tremendous potential.

The project Jeevan Hospital Management system includes registration of new patients , providing patients an medical account to track their medical history , storing their details into the system, and also providing computerized medical prescription through online directly by the appointment booked to the doctors . The software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. It includes a online appointment facility to know the current status of each room. User can search availability of a doctor and the details of a patient using the id.

The “JEEVAN HOSPITAL MANAGEMENT SYSTEM” can be entered using a username and password. It is accessible either by an administrator , doctor and patients or the new user . Only they can add data into the database but also 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.Jeevan Hospital Management System is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to hospitals.Jeevan Hospital Management System is designed for multispeciality hospitals, to cover a wide range of hospital administration and management processes. It is an integrated end-to-end Hospital Management System that provides relevant information across the hospital to support effective decision making for patient care, hospital administration and critical financial accounting, in a seamless flow.

Jeevan Hospital Management System is a website product suite designed to improve the quality and management of hospital management in the areas of clinical process analysis and activity-based costing.It enables you to develop your organization and improve its effectiveness and quality of work. Managing the key processes efficiently is critical to the success of the hospital helps you manage your processes.

**Online Appointment booking** is the modern scheduling platform which is the most important facility that is provided on this hospital system that makes the user accessible to confirm an appointment booking to the desired specialized doctors for the treatment digitally from wherever over the world with the internet facility. Moreover user can track their appointment booking is active or not before leaving the house before the appointment time .Also , user can have their medical history track on their just one click away in their profile .

**II**

**OBJECTIVES OF JEEVAN**

Hospital are the essential part of our lives, providing best medical facilities to people suffering from various ailments, which may be due to change in climatic conditions, increased work-loads, emotional trauma stress etc. It is neccessay for the hospitals to keep track of its day to day appointments , activities , log records of patients and doctors that keep the hospital running smoothly and successfully.

But keeping track of the appointment records and logs of patients and doctors and their records on paper is very cumbersome and error prone. It also is very inefficient and time-consuming process .Observing the continuous increase in population and number of people visiting the hospital.Recording and maintaining all theserecords is highly unreliable, inefficient and error-prone. It is also not economically and technically feasible to maintain these rcords on paper .Thus keeping the working of the manual system as the basis of our project .We have developed an automated version of the manual system named as “JEEVAN HOSPITAL MANAGEMENT SYSTEM” for medical institutions support system and online appointment system for the patients and doctors . The main aim of our project is to provide a paperless hospital upto 90% . It also aims at providing low cost-reliable automation of the existing systems.The system also provides excellent security of data at entry level of user-system interaction and also provides robust and reliable and storage facilities.

So overall objective could be well defined in the following forms for patients , doctors and administration are as follows:

1. Defining the works of hospital management
2. Recording and registration of new patients in the automated way.
3. Providing to book an appointment directly through their places through online functionalities.
4. Providing doctors the facility to prescribed the medical prescription through online .
5. Keeping track of the medical history of each and every patients registered or attained any appointment.
6. Keeping tracks of the doctors activity over the website .

**III**

**PURPOSES OF JEEVAN PORTAL**

Since hospital is associated with our day to day routines. The JEEVAN HOSPITAL MANAGEMENT system helps to manage every information about the patients like their personal data, comprehensive medical data, previous medical histories along with their diagnoses, treatments, investigations and other medical decisions. Apart from that, it help in improving the safety, quality as well as one of the most affordable options available in the healthcare industry.

The System will basically consists of three different users that would be interacting with the aim of providing better healthcare service through mutual utilization of self-monitoring and the consultation from a specialist. The mutual interaction exists because user will have the option of sending the data for analysis to the doctor, getting the feedback and then acting on his advice. The three users are:-

1. **Patient**

The Patient will register himself with system initially by providing the various personal details that includes his name, age, gender,etc., along with the doctor’s name with which he wants to consult ,if at all. The registration part is mandatory before the user is able to use the system for his task completion. Then the user proceeds with login using his/her unique id and password.  Upon logging into the dashboard the user will have a window screen with few options. One of the option user will have is to update their personal details the file that the system will be using to display the data to the user interface and to book an appointment to the specialized doctor that they want .They have the options to checkout their medical history.

1. **Doctor**

The role of doctor is vital to any healthcare process and we would provide the provision in our project to get doctors feedback .The patient should be able to send the appointment request to the doctor, who was specified by the customer during his/her registration. But this functionality should be entirely upon the discretion of the user that whether he/she chooses doctor’s appointment or not . If the patients feels, he/she is satisfied with his improvement and performance after monitoring the data provided by our medical prescription by doctor, then patient can logout of the system.

1. **Administrator**

The role of administrator should not be limited to the validation of authenticity of the patient or the doctor. The parameters that admin would use for validating the authenticity of the doctors are external to the project and not in its scope.From searching the medical prescriptions to manage the creation of different specialization and to know the details about the doctor as well as patients are the major role played by this module in this website product.

**IV**

**SCOPE OF JEEVAN PROJECT**

The proposed website product is the Hospital Management System. The system could be better used in any hospital , clinic , dispensary and pathology labs to get the information from the patients and providing a facility for online appointment booking to the patients just by registration of their details and storing their data for the future usages .The current system in use is a paper based system or the manual system. It is too slow and cannot provide updated lists of patients within reasonable time frame .The intention of the system is to reduce over-time pay and increase the number of patients that can be treated accurately. Requirement statements in these documents are both functional and non-functional. All this work is done manually by the receptionist and other operational staff and lot of papers are needed to be handled and taken care of. Doctors have to remember various medicines available for diagnosis and sometimes miss better alternatives as they can’t remember them at that time.

1) Information about Patients is done by just writing the Patients name, age and gender. Whenever the Patient comes up his information is stored freshly.

2) Medical prescriptions are generated by analysis of the symptoms for each appointment provided to Patient on a separate sheet and at last they all are summed up.

3) Medical history of the patients are always present in the user as well as the patients dashboard.

4) Appointment facility for the patients for specific specialized doctors options are also present this website product for the patients convenience.

5) Administrator have the searching capability for the records of patients, doctors and the appointment records and many more features .

**V**

**DEVELOPMENT PHASES**

Development phases of a portal are the most important part of any project so it could be the best to do in different phases of workloads. That is the reason **JEEVAN** portal development phases could be best described across the three phases:

1. **PROBLEM DEFINITION:**

This project can best define as a virtual classroom platform for the teachers to facilitate the education virtually, online and technically beautiful for this pandemic situation. This would be having a great user friendly graphical user interfaces (GUI’s).

This would be a site providing dashboard features to the every user either doctor, patients and students.

This site would be well defined for the facilities of education with the technically perfect views and features of the hospital technology.

The sites are also not providing features to communicate between doctors and patients for the future development. So, it would be well defined for the patients dashboards.

1. **FEASIBILITY STUDY:**

With the problems addressed above we are making the online classroom portal removing the problems and the technological feasibility of this project is that we are using known technologies as well as open source codes like the PHP, CSS, HTML and MySQL or PHPMYADMIN.

The operational feasibility is that we can be able to do as per the education requirement for the every aspect of the educational branches whether its teacher, student or parents.

The economic feasibility is that to reducing the infrastructure cost of a hospital by providing a virtual appointment facility at just at the cost of the internet providers nothing more than that.

1. **PROJECT DESIGN:**

In this phase, we design the output of project and its format, inputs and procedures etc. In this stage, we design

1. Homepage user friendly interface
2. Doctor login page and dashboards
3. Patient login page and dashboards
4. Administrator login page and dashboards
5. Registration page for new user
6. Validations after login pages of patients , doctor and administrator.

**VI**

**PROJECT TOOLS AND TECHNIQUES**

* **TOOLS REQUIRED ARE AS FOLLOWS:**

1. TEXT EDITORS:

* Macromedia Dreamweaver ,
* Sublime Text 3

1. LOCAL SERVRS :

* XAMPP SERVERS
* **TECHNIQUES REQUIRED ARE AS FOLLOWS:**

1. Knowledge about the web servers like xampp
2. Knowledge about working on the text editors.
3. Knowledge about HTML, CSS, PHP, JAVASCRIPT, PHPMYADMIN AND MYSQL.
4. Validation control techniques knowledge required
5. Knowledge regarding the conduction of online appointment facilities providing sites like clinictogo.com etc.

**VII**

**NEW IN OUR PROJECT:**

Basically, e-hospitals appointments are a new concept and many projects have already been made and are emerging in new eras and cover many techniques.  
In our project E-Hospital with medical prescription providance maintains also in our site can be far more good to the other sites patients can get their directly from their doctors easily without any hassles.  
The newly introduced concept could be the conduction of hospitals could be available on the same site as well as patients can also analyse and see the prescribed medicals and appointments of the patients at the same time.

So, at last the thing to be say new would be only the doctor dashboard which shows the patients appointment details and medicals prescribe to each patients without any problem.

**VIII**

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