

Hospital Management System

End Term Report (CSE 326)

By

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LOVELY
PROFESSIONAL
UNIVERSITY

Transforming Education Transforming India

**Department of Intelligent Systems
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Lovely Professional University, Jalandhar**

April-2020

Student Declaration

This is to declare that this report has been written by me/us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged. I/We aver that if any part of the report is found to be copied, I/we are shall take full responsibility for it.

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Date: 5 April 2020

TABLE OF CONTENTS

TITLE	PAGE NO.
1. Background and objectives of project assigned	
1.1 Introduction	5
1.2 Aims and Objective	6
1.3 Outcomes	7
2. Description of Project	
2.1 Student work division	7
2.2 Core Components	8
2.3 Working	10
2.4 Implementation	15
3. Project SWOT	
3.1 Technology used	16
3.2 SWOT analysis	17

Section:

K19SD

Group:

3

BONAFIDE CERTIFICATE

Certified that this project report on “Hospital Management System” is the bonafide work of Ankit Devri, Shivam Sirvastva, Harsh Karlupia students of CSE department of Lovely Professional University who carried out the project work under my supervision.

Dipen Saini
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Introduction

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In the fast changing world, information technology and information management are going to play an important role. We are living in the computer age during past some year.

The computer has gaining popularity. Computer revolution founds its way into almost every aspects of human life and living. A computer is admirably suited to handle any information

and hence is an information processor that is, it can receive data, perform some basic operations on that data and produces results according to predetermined program.

Hospital Management System(HMS) is a system for managing the hospital functions and events.

It has different modules such as different departments, emergency services, appointment bookings and health advisory etc.

Hospital Management is a term very broad in scope and may be defined from different aspects.

It mainly relates to management of all aspects of a hospital; a coordination of all elements of a hospital.

This may range from patient care to record keeping to inventory of medicines and cleanliness.

Aims and Objectives

Today's world is computer world because most of work is doing with the help of computer.

Dependency on computer is behind the few reasons. We cannot easily manage to store large number of data or information single handle.

If we will be need some information or data in urgency then we cannot manage in manually these works are very difficult if we cannot use computer.

So the objective of this project is to overcome the limitation of the manual approach.

This project is started towards systematically automating all the work that is done manually at present. Their aim is to focus following aspects:

- > The main objective is to automate non computer environment.
- > To promote awareness of health care among all sections of the Indian people.
- > To promote awareness among functionaries involved in Health and Hospital Management.
- > To Design a system for better patient care.
- > To promote research in the Health and Hospital Management.
- > To promote the development of high quality hospital services and community health care.
- > To update the knowledge and skill of the Health & Hospital Administrators and other personnel involved in
the management of health care organization through continuous education and research.
- > To act as Advisory /Consultative Body, in the best interest of community and country, to Central and State Governments, Public Sector Undertakings, Health Care Delivery Organization, Public Health & Health System Development, Teaching and Training Organization and any other Health related allied organization, when need so arises or services are asked for.

Outcome of the project

The Hospital Management system project was designed to maintain the norm of social distancing in this crisis of covid 19. To ensure minimum contact is maintained the people in need can use this system to get an appointment from the doctor. This system is designed to schedule appointments from anywhere in the world.

People can make their id and book an appointment on a very specific time to ensure the social distancing norms are followed. As a healthcare system, it also provides valuable and true information to follow in the time of this crisis.

The outcome of the project is to minimize the time wastage and efforts of people to minimize the spread of the virus.

Description

In the software we have developed some forms. The brief description about them is as follows

> **Departments:**

.....

The department of facilities is part of the software which tells you about the different departments of specialities in the Astro Healthcare hospital to which our software is linked to.

It tells about the importance and functions of each department available in the hospital. And how the things work in the hospital so the user may have the information in advance.

> **Emergency:**

.....

The Emergency tab in the navigation bar takes you to the emergency situations solution and ways of performing some lifesaving tasks in times of emergency a truly useful information.

> **Appointment booking:**

.....

The Appointment tab is used to book appointments from any user anywhere around the world. This facility is the core concept behind the software to provide maximum comfort in time of crisis and actively help people with supply of proper information while maintaining the norm of social distancing.

> Doctors Healthcare Advices:
.....

The doctors tab in the navigation bar is used to navigate to the Doctors advices tab in the software which provides us with the valuable and the true information of what to do and what not to do in the covid 19 breakout situation and advices people aiming the minimal spread of the coronavirus.

> About Us:
.....

The About Us is one of the most important on customer's website. It is an opportunity where visitors get to know.

This is a chance for us to introduce ourselves and the kind of business we do to our clients. So you might as well make it great!

>Registration: (Login/Signup)
.....

Helps to registering information about patients. These consist of a username and password.

They are a security measure designed to prevent unauthorized access to confidential data.

> Contact Us
.....

Information on how to contact the entity, typically including a telephone number, address, email etc.

Work Division (Roles of Students)

The work of the students were divided as follows:

1) Ankit Devri - 11914065

>Writing code for the software in HTML, CSS, JAVASCRIPT

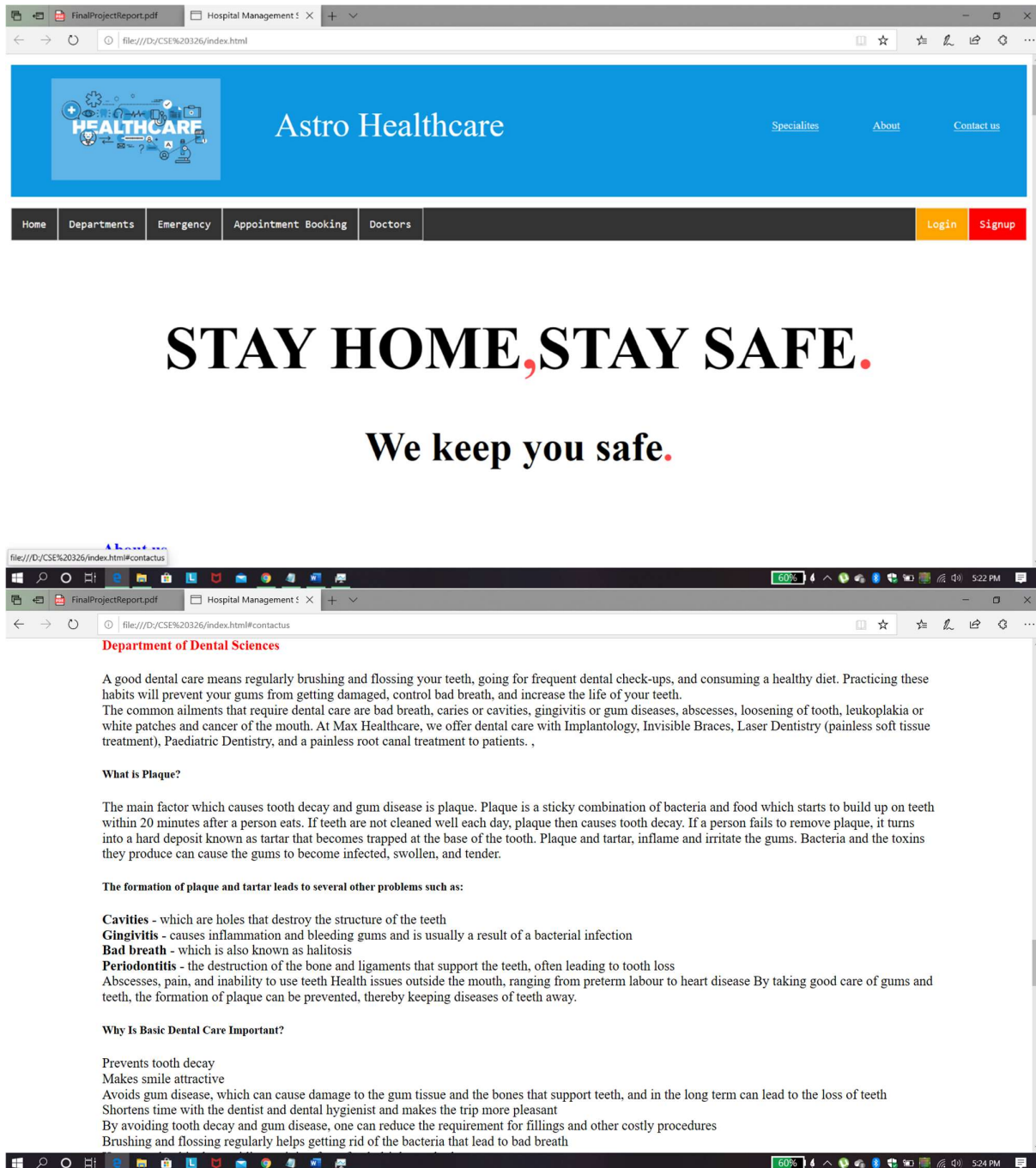
2) Shivam Sirvastava -11913706

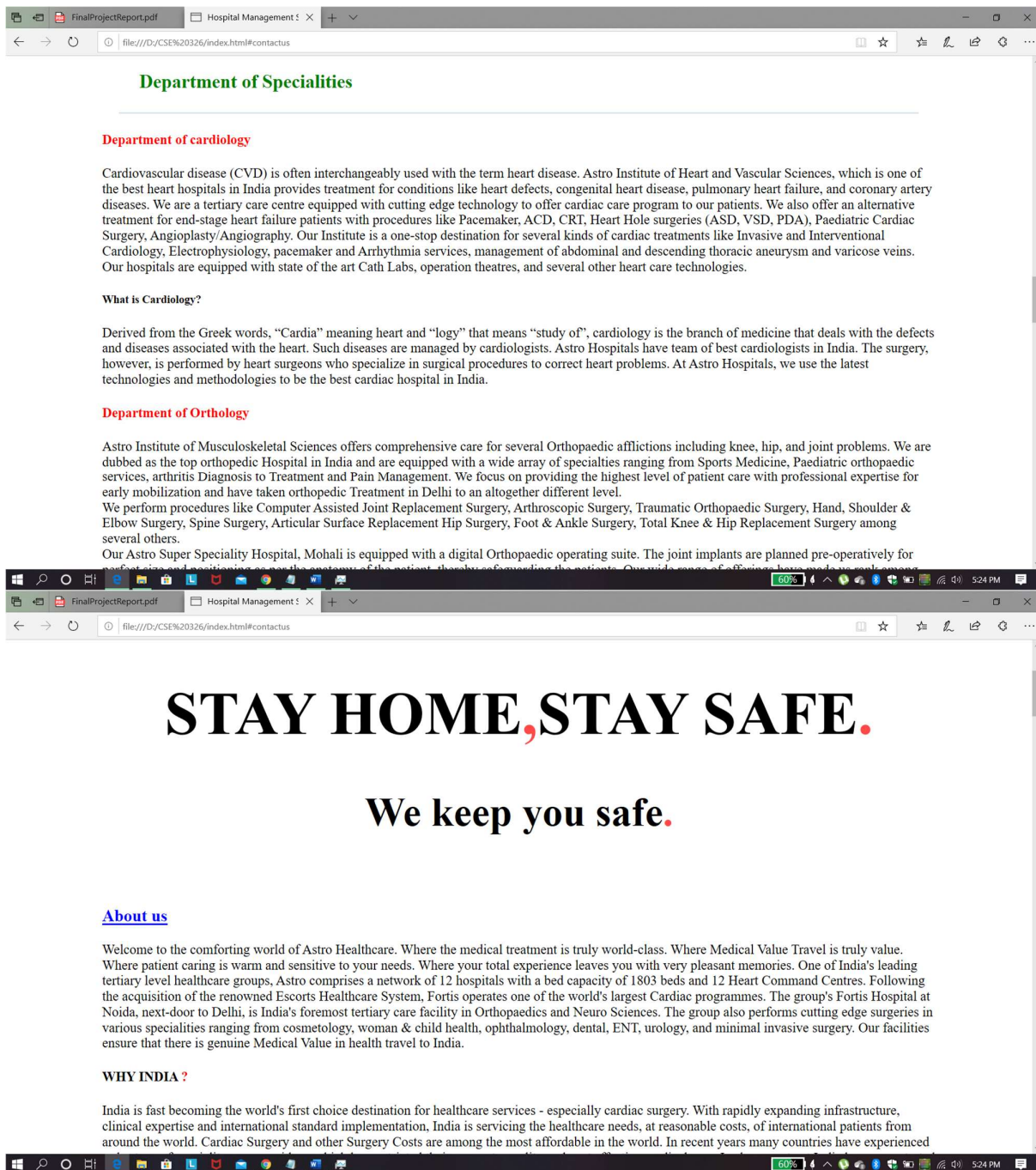
>Writing the project report

3) Harsh Karlupia - 11914091

>Getting all the information to written down on the software

Screenshots of the software





Department of Specialties

Department of cardiology

Cardiovascular disease (CVD) is often interchangeably used with the term heart disease. Astro Institute of Heart and Vascular Sciences, which is one of the best heart hospitals in India provides treatment for conditions like heart defects, congenital heart disease, pulmonary heart failure, and coronary artery diseases. We are a tertiary care centre equipped with cutting edge technology to offer cardiac care program to our patients. We also offer an alternative treatment for end-stage heart failure patients with procedures like Pacemaker, ACD, CRT, Heart Hole surgeries (ASD, VSD, PDA), Paediatric Cardiac Surgery, Angioplasty/Angiography. Our Institute is a one-stop destination for several kinds of cardiac treatments like Invasive and Interventional Cardiology, Electrophysiology, pacemaker and Arrhythmia services, management of abdominal and descending thoracic aneurysm and varicose veins. Our hospitals are equipped with state of the art Cath Labs, operation theatres, and several other heart care technologies.

What is Cardiology?

Derived from the Greek words, "Cardia" meaning heart and "logy" that means "study of", cardiology is the branch of medicine that deals with the defects and diseases associated with the heart. Such diseases are managed by cardiologists. Astro Hospitals have team of best cardiologists in India. The surgery, however, is performed by heart surgeons who specialize in surgical procedures to correct heart problems. At Astro Hospitals, we use the latest technologies and methodologies to be the best cardiac hospital in India.

Department of Orthology

Astro Institute of Musculoskeletal Sciences offers comprehensive care for several Orthopaedic afflictions including knee, hip, and joint problems. We are dubbed as the top orthopedic Hospital in India and are equipped with a wide array of specialties ranging from Sports Medicine, Paediatric orthopaedic services, arthritis Diagnosis to Treatment and Pain Management. We focus on providing the highest level of patient care with professional expertise for early mobilization and have taken orthopedic Treatment in Delhi to an altogether different level. We perform procedures like Computer Assisted Joint Replacement Surgery, Arthroscopic Surgery, Traumatic Orthopaedic Surgery, Hand, Shoulder & Elbow Surgery, Spine Surgery, Articular Surface Replacement Hip Surgery, Foot & Ankle Surgery, Total Knee & Hip Replacement Surgery among several others. Our Astro Super Speciality Hospital, Mohali is equipped with a digital Orthopaedic operating suite. The joint implants are planned pre-operatively for perfect size and positioning as per the anatomy of the patient, thereby safeguarding the patients. Our wide range of offerings have made us a leading name in the industry.

STAY HOME, STAY SAFE.

We keep you safe.

About us

Welcome to the comforting world of Astro Healthcare. Where the medical treatment is truly world-class. Where Medical Value Travel is truly value. Where patient caring is warm and sensitive to your needs. Where your total experience leaves you with very pleasant memories. One of India's leading tertiary level healthcare groups, Astro comprises a network of 12 hospitals with a bed capacity of 1803 beds and 12 Heart Command Centres. Following the acquisition of the renowned Escorts Healthcare System, Fortis operates one of the world's largest Cardiac programmes. The group's Fortis Hospital at Noida, next-door to Delhi, is India's foremost tertiary care facility in Orthopaedics and Neuro Sciences. The group also performs cutting edge surgeries in various specialties ranging from cosmetology, woman & child health, ophthalmology, dental, ENT, urology, and minimal invasive surgery. Our facilities ensure that there is genuine Medical Value in health travel to India.

WHY INDIA ?

India is fast becoming the world's first choice destination for healthcare services - especially cardiac surgery. With rapidly expanding infrastructure, clinical expertise and international standard implementation, India is servicing the healthcare needs, at reasonable costs, of international patients from around the world. Cardiac Surgery and other Surgery Costs are among the most affordable in the world. In recent years many countries have experienced

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file:///D:/CSE%20326/index.html#contactus

Our Doctor's advice on the coronavirus pandemic

Wash your hands frequently

Regularly and thoroughly clean your hands with an alcohol-based hand rub or wash them with soap and water.
Why? Washing your hands with soap and water or using alcohol-based hand rub kills viruses that may be on your hands.

Maintain social distancing

Maintain at least 1 metre (3 feet) distance between yourself and anyone who is coughing or sneezing.
Why? When someone coughs or sneezes they spray small liquid droplets from their nose or mouth which may contain virus. If you are too close, you can breathe in the droplets, including the COVID-19 virus if the person coughing has the disease.

Avoid touching eyes, nose and mouth

Why? Hands touch many surfaces and can pick up viruses. Once contaminated, hands can transfer the virus to your eyes, nose or mouth. From there, the virus can enter your body and can make you sick.

Practice respiratory hygiene

Make sure you, and the people around you, follow good respiratory hygiene. This means covering your mouth and nose with your bent elbow or tissue when you cough or sneeze. Then dispose of the used tissue immediately.
Why? Droplets spread virus. By following good respiratory hygiene you protect the people around you from viruses such as cold, flu and COVID-19.

If you have fever, cough and difficulty breathing, seek medical care early


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file:///D:/CSE%20326/index.html#contactus

Facilities


24 Hours Ambulance at your Service

94220 36373
94220 36374






Ambulance Services



Pharmacy



Section:

Group:

The image shows two screenshots of a web browser displaying a local file system. The top screenshot shows a 'Contact us' page with the following elements:

- Page title: **Contact us**
- Form fields:
 - Email (Required):
 - Message (Required):
- Text: * Required fields must be filled
- Button: Send Feedback
- Footer: Astro Healthcare, About, Info, Contact us

The bottom screenshot shows a 'Sign Up' page with the following elements:

- Page title: **Sign Up**
- Form fields:
 - Name (Required):
 - Mobile no. (Required):
 - Email (Required):
 - Password (Required):
- Text: * Required fields must be filled
- Button: Sign Up
- Navigation bar: Home, Departments, Emergency, Appointment Booking, Doctors, Login, Signup

Section:

Group:

file:///D:/CSE%20326/index.html#login

Home Departments Emergency Appointment Booking Doctors Login Signup

Login

Email (Required)

Password (Required)

* Required fields must be filled

Login

60% 5:22 PM

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HEALTHCARE Astro Healthcare Specialities About Contact us

Home Departments Emergency Appointment Booking Doctors Login Signup

Orthology
Dental
Cardiology
Xray
Blood
Eyecare

STAY HOME, STAY SAFE.

We keep you safe.

[About us](#)

60% 6:11 PM

Technologies And framework

>Language used:

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HTML :

Hypertext Markup Language is the standard markup language for documents designed to be displayed in a web browser.

It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript.

CSS:

CSS stands for Cascading Style Sheets. CSS describes how HTML elements are to be displayed on screen, paper, or in other media.

CSS saves a lot of work. It can control the layout of multiple web pages all at once.

JAVASCRIPT :

A JavaScript function is a block of code designed to perform a particular task.

A JavaScript function is executed when "something" invokes it.

>>Text Editor Used:- Sublime Text 3

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>>For Documentation:- MS OFFICE 2019

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