

### JSS College Of Arts, Commerce and Science

An Autonomous College of University of Mysuru,
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#### ADVANCED INTERNET TECHNOLOGIES

Project report on

# DESIGN A HOSPITAL MSANAGRMENT WEBSITE USING HTML, CSS & JAVASCRIPT, PHP

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#### **ABSTRACT**

Hospital management encompasses all facets of a "WE CARE HOSPITAL", as well as the coordination of all of its components. This could include everything from patient care to record keeping to drug inventory and cleanliness.

To ensure that their company runs successfully, all hospital healthcare managers collaborate with clinicians, make policy choices, oversee patient care, budgeting and accounting, and lead marketing activities.

Patient registration, appointment scheduling, document management, consultation management, lab management, drug safety, report creation, personnel management, outpatient management, and much more are all part of the hospital administration process.

Hospitals and clinics are complicated organizations with several departments, specializations, schedules, teams, data kinds, and other factors to consider.

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### **CHAPTER 1**

#### 1.INTRODUCTION

Our project report is on "Hospital Website". In this website, we are giving detailed information about the hospital and its operations. The website is designed in an interactive manner and is able to give the users the knowledge of the expertise, experience and hospitality of the hospital. Through this website patients can get information not only about the expertise field but also the eminence of the hospital. The patients would be able to get daily updates of their queries and they can go through the profiles of the doctors.

All the departments of the hospital have senior and experienced heads and the website gives all the necessary information about them. The website consists of webpage giving information about the appointment availability, latest updates and news of hospital. The events held by the hospital are showcased in a different section of the website giving it a communicative view.

This website also consists of hyperlinks such as rules and regulations, contact us and so on. From these hyperlinks, we can get to know what are the rules and regulations of the hospital and patient's feedback about the information that they acquire from the website and they can also comment and express their views on it.

Our website also helps to connect the common people with the hospital and they can now get to know each and everything about the hospital and can book appointments with doctors. A different section has been provided for contacting the hospital for any queries.

# CHAPTER 2 LITERATURE SURVEY

#### 2.1 INTRODUCTION

Every software development requires the survey process. The survey process is needed to get the requirement for the software. The survey also consists of studying the present system and also about the tools needed for the development of the software. A proper understanding of the tool is very much essential following an extract of the information of the material collect during literature survey.

#### 2.2 TOOLS AND TECHNOLOGIES

Visual studio code as a Program development tool and technology implemented in HTML5 with Java script programming language, PHP scripting language, CSS3 style sheet language along with Bootstrap, CSS framework, and server side implementation under XAMPP web server consisting of Apache HTTP server and MariaDB(MySQL) database.

#### 2.3 INTRODUCTION TO VISUAL STUDIO CODE

Visual Studio Code is a source-code editor made by Microsoft for Windows, Linux and macOS. Visual Studio Code provides basic support for web development (HTML, CSS, Java script and PHP). Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git. Users can change the theme, keyboard shortcuts, preferences, and install extensions that add additional functionality.

#### 2.4 HTML5

HTML is a programming language whose acronym stands for Hyper Text Markup Language. It is a system that allows the modification of the appearance of web pages, as well as making adjustments to their appearance. It also used to structure and present content for the web. HTML5 is the fifth and last major HTML version that is a World Wide Web Consortium(W3C) recommendation. The current specification is known as the HTML Living Standard. It is maintained by the Web Hypertext Application Technology Working Group (WHATWG), a consortium of the major browser vendors (Apple, Google, Mozilla, and Microsoft).

### 2.5 CSS3 Cascading Style Sheets

(CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and Java script. CSS is designed to enable the separation of presentation and content, including layout, colours, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file.

#### 2.5.1 BOOTSTRAP

Bootstrap is a free and open-source CSS framework directed at responsive, mobile first front-end web development. It contains CSS-and (optionally)java script based design templates for typography, forms, buttons, navigation, and other interface components, Bootstrap is a HTML, CSS & JS Library that focuses on simplifying the development of informative web pages.

#### 2.6 JAVA SCRIPT

JavaScript is a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive. Where HTML and CSS are languages that give structure and style to web pages, JavaScript gives web pages interactive elements that engage a user.

#### **2.7 XAMPP**

XAMPP is an acronym, in which "X" stands for Multiplication, "A" stands for Apple server, "M" stands for MariaDB, "P" stands for Perl, and "P" stands for PHP. XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages.

#### 2.7.1 PHP

PHP is a server-side scripting language. That is used to develop Static websites or dynamic websites or Web applications. PHP stands for Hypertext Pre-processor, that earlier stood for Personal Home Pages. PHP scripts can only be interpreted on a server that has PHP installed. PHP is mainly focused on server-side scripting, so you can do anything any other CGI program can do, such as collect form data, generate dynamic page content, or send and receive cookies.

### 2.7.2 MySQL

MySQL is an open-source relational database management system. The application is used for a wide range of purposes, including data warehousing, e-commerce, and logging applications. The most common use for MySQL however, is for the purpose of a web database. MariaDB is a community-developed, commercially supported fork of the MySQL relational database management system (RDBMS), intended to remain free and open-source software under the (GNU) General Public License.

# CHAPTER 3 SYSTEM ANALYSIS

#### 3.1 PROBLEMS IN EXISTING SYSTEM

- 1. Earlier the records were kept done manually which was highly time consuming and expensive.
- 2. There can be no interaction between the patients and doctors.
- **3.** Patients used to stand in long queues.
- **4.** Wastage of Stationary other material resources increase due to paper work.
- 5. Current manual system requires large efforts to compile information.
- 6. With the increase in data, the processes of maintaining, updating and storing of information are becoming difficult.
- 7. Data extraction becomes difficult as one has to search among large pile of papers.

#### 3.2 OBJECTIVES OF PROPOSED SYSTEM

- 1. This system helps in lowering manual work done by the patients to get appointments of doctors in a single click. It helps in keeping the patients updated about the availability of doctors.
- 2. Nowadays, it has become easy to get information through websites. No newspaper, magazines and interviews etc are required because each and every information is easily available on the website.
- 3. It helps in reaching the information to large number of patients/visitors in minimum time. Modes of information is faster than the way before.
- 4. It can be the centralized source of information

# CHAPTER 4 SYSTEM DESIGN

#### 4.1 BLOCK DIAGRAM

The block diagram generalizes the functions of the entire system. A data flow diagram will show the flow of data from the source to destination. The data flow is the starting step of the design phase and it is a very important to understand the requirements. The user interface must be simple.

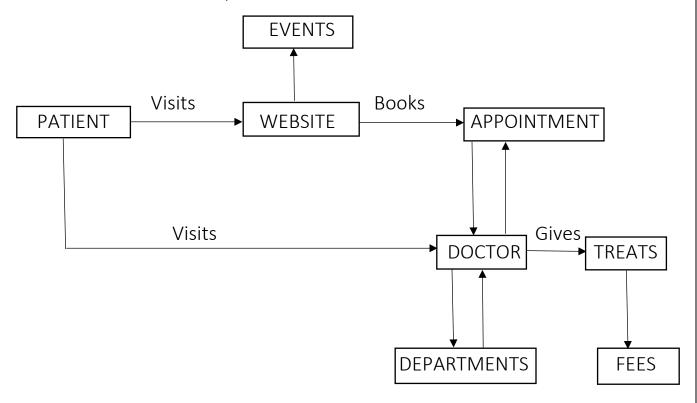
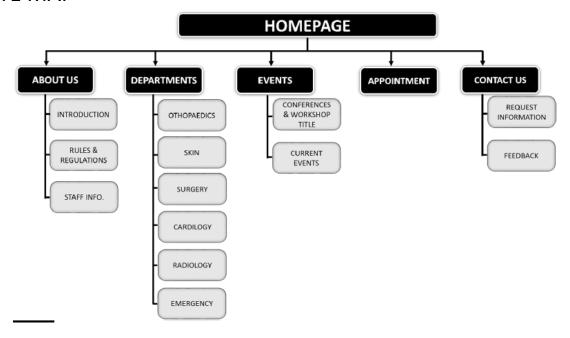
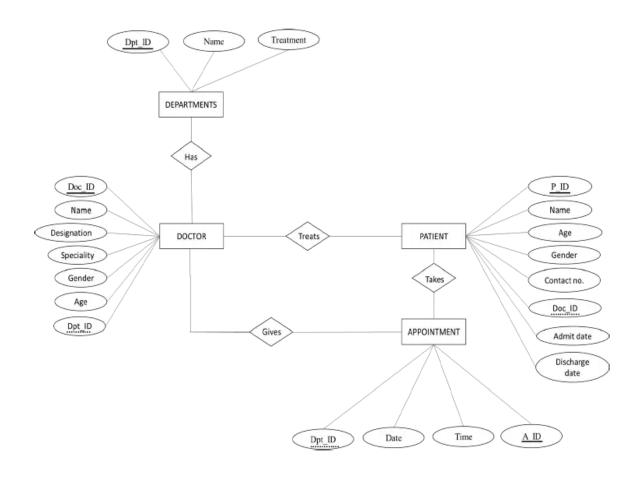


FIGURE: BLOCK DIAGRAM OF WE CARE HOSPITAL

### 4.2 SITE MAP



### 4.3 E-R DIAGRAM



# CHAPTER 5 SYSTEM CODING

#### 1. HOMEPAGE CODING:

```
2. <html>
3.
      <head>
4.
         <title>WE CARE HOSPITAL</title>
5.
         <link type="text/css" rel="stylesheet" href="mystyle1.css">
6.
7.
      <body>
8.
         <section class="intro">
9.
             <div class="top">
10.
                <div id="menu" align="center">
11.
                    <b>
12.
                       <a href="homepage.html">HOME</a>
13.
                       <a href=#>ABOUT US</a>
14.
                           15.
                              <a href="introductionpage.html">Introduction</a>
16.
                              <a href="Rules and regulations.html">Rules &</a>
  Regulations</a>
17.
                              <a href="staff.html">Staff info</a>
                           18.
                       19.
                       <a href=#>DEPARTMENTS</a>
20.
21.
                           22.
                              <a href=department-ortho.html>Orthopaedics</a>
23.
                              <a href=department-skin.html>Skin</a>
24.
                              <a href=department-surgery.html>Surgery</a>
25.
                              <a href=department-cardiology.html>Cardiology</a>
26.
                              <a href=department-radiology.html>Radiology</a>
27.
                              <a href=department-emergency.html>Emergency</a>
28.
                           29.
                       30.
                       <a href=#>EVENTS</a>
31.
                           32.
                              <a href="confr & wrkshp.html"><font</a>
  size="3.5px">Conferences &Workshop</font></a>
33.
                              <a href=upcomingevents.html><font</pre>
  size="4px">UpcomingEvents</font></a>
34.
                           35.
                           <a href="appointment page.html">APPOINTMENT</a>
36.
                           <a href="request information.html">CONTACT US</a>
37.
                       </b>
38.
                    </div>
39.
                </div>
40.
                <div class="inner">
41.
                   <div class="innerbg">
```

```
42.
                       <h1><b>WELCOME TO WE CARE HOSPITAL</b> </h1>
43.
                       <a class="start" href="#second"><b>GET_STARTED</b></a>
44.
                    </div>
45.
                </div>
46.
            </section>
            <hr color="darkblue" size="7px" id="second">
47.
48.
            <div class="para"><div class="middle"> Get Cared For By The Best&nbsp;</div>
49.
             the most eminent doctors in the world, most of whom are pioneers in their respective
  arenas and are renowned for developing innovative and revolutionary procedures. Many of
  our doctors are also
      'Padma Shri', 'Padma Bhushan', 'Dr B. C. Roy National Award' and 'Marquis Who's Who
50.
  inthe World' recipients. <br> 
51.
      52.
      </div>
53.
      <hr color=darkblue size=7px id="second">
      <div class="para2"><div class="middle"> <br><br><br><br><br><br><br><font</pre>
54.
  color="black">WhereHealthcare Meets Lifestyle </div>
                <br> Our annual Preventive Health
55.
  Checks are customised to take into consideration your lifestyle and risk factors. Our
  health checks include comprehensive diagnostics, consultations with accomplished doctors
  and technology-aided follow-ups with the aim to ensure that you stay in the pink of health
  at all times.</font> <br>>
56.
         57.
      </div>
58.
      <hr color=darkblue size=7px id="second" class="lastpara">
      color="black">Where Healthcare Meets Hospitality </div>
                <br> At WE CARE, you will instantly
60.
  discoverthat you are so much more than just a patient. Right from the way we have designed
  our patient rooms to the way we serve you, we have left no stone unturned, ensuring that
  both, your medical and personal needs are placed above everything else.</font> <br/> 
61.
         62.
      </div>
64. <div class="copyright"> <br> Copyright © 2022 WE CARE HOSPITAL, Karnataka, Mysore.
      Contents Published on this Website are Managed and Maintained by WE CARE HOSPITAL.
  <br>All RightsReserved.<br></div>
      66.
67.</body>
68.</html>
```

#### CSS:

```
html, body{
   margin: 5px;
.intro{
   height: 100%;
   width: 100%;
    background-size: cover;
    background: url(Pictures.jpg) no-repeat 20% 50% fixed;
.inner{
   display: table-cell;
   vertical-align: middle;
   width: 100%;
   max-width: none;
.innerbg{
   max-width: 500px;
    text-align: center;
    margin: auto;
.innerbg h1 {
    font-family: 'Raleway', sans-serif;
    color: white;
    text-shadow: 15px 15px 800px darkblue;
    font-size: 400%;
   margin-left: 400px;
   margin-right: -350px;
    margin-top: 180px;
.start{
    border-radius: 9px;
    font-family: 'Oswald', sans-serif;
    color: #02386E;
    font-size: 135%;
    padding: 10px 20px;
    border: solid #02386E 3px;
    text-decoration: none;
    margin-left: 400px;
   margin-right: -350px;
    margin-top: 180px;
.start:hover{
    color: red;
    border: solid red 3px;
    box-shadow: 2px 2px 300px #E00A0D;
.para{
    text-align:center;
    font-size: 160%;
```

```
line-height: 210%;
    font-family: sans-serif;
   color: white;
   padding: 20px;
   background: url("front page2.jpg") no-repeat;
   background-size:1300px ;
   margin-left: 90px;
   border-radius: 4px;
.para2{
   text-align: center;
   font-size: 160%;
   line-height: 210%;
   font-family: sans-serif;
   color: white;
    padding: 20px;
   background: url("front page4.jpg") no-repeat;
   background-size:1400px ;
   margin-left: 35px;
   border-radius: 4px;
.para3{
   text-align: center;
   font-size: 160%;
   line-height: 210%;
   font-family: sans-serif;
    color: white;
   padding: 20px;
   background: url("front page5.jpg") no-repeat;
   background-size:100% ;
   margin-left: 35px;
   border-radius: 4px;
.middle{
    font-family: "Montserrat-Black";
   font-weight: bolder;
   font-size: 50px;
   color: black;
   margin-top: 70px;
.middlepara{
   color: black;
   font-size: 17px;
   padding: 0px 90px 0px 90px;
   line-height: 20px;
.middle2{
    font-family: "Montserrat-Black";
    font-weight: bolder;
    font-size: 50px;
```

```
color: black;
    margin-top: 70px;
    text-align: left;
.middlepara2{
    color: black;
    font-size: 17px;
    padding: 0px 300px 0px 0px;
    line-height: 20px;
    text-align: justify;
    margin-top: -10px;
.copyright{
    text-align: center;
    padding: 0px 80px 0px 80px;
    background: #05548E;
    color: white;
    font-family: "Arial";
    line-height: 20px;
.top{
    padding: 0px;
    float: left;
    position: fixed;
    margin-left: 45px;
#menu ul{
    list-style:none;
    box-shadow: 10px 25px 75px 30px white;
    opacity: 0.98;
#menu ul li{
    background-color: #005BFC;
    border:1px solid #005BFC;
    width: 180px;
    height:65px;
    line-height:65px;
    text-align:center;
    float:left;
    position: relative;
    border-radius: 8px;
    margin: 1.5px;
#menu{
    margin: auto;
#menu ul li:nth-child(2){
    width:180px;
#menu ul li:nth-child(3){
```

```
width:180px;
#menu ul li:nth-child(6){
    width:180px;
#menu ul li:nth-child(7){
    width:180px;
#menu ul li:nth-child(8){
    width:135px;
#menu ul.drop2 li{
    width:200px;
    background-color:#27AE60;
    border: solid #27AE60;
    margin: 1px;
    margin-left: -45px;
#menu ul.drop1 li{
    width:180px;
    background-color:#27AE60;
    border: solid #27AE60;
    margin: 1px;
    margin-left: -45px;
#menu ul li a{
    text-decoration:none;
    color:white;
    display:block;
    font-family:"Maiandra GD";
    font-size: 125%;
#menu ul li a:hover{
    background-color:#229954;
    border:1px solid #229954;
    border-radius: 7px;
    font-size: 120%;
    font-family:"Maiandra GD";
    box-shadow: 0px 0px 20px 0px white;
#menu ul ul{
    position:absolute;
    display: none;
#menu ul li:hover > ul{
    display: block;
#menu ul li:hover > ul{
    animation: load 1s forwards;
    animation-duration: 600ms;
```

```
animation-name: menu;
@keyframes menu{
    0%{
        opacity: 0;
        transform: rotateY(-90deg) translateY(30px);
    100%{
        opacity: 1;
        transform: rotateY(0deg) translateY(0px);
```

#### 2. DEPARTMENTS PAGE

```
<html>
   <head>
       <title>DEPARTMENTS</title>
       <link href="pages style.css" rel="stylesheet" type="text/css">
   </head>
   <body>
       <a href="homepage.html"><img src="back.png" class="back"</pre>
height="60px"width="60px"></a>
       <a href="homepage.html" class="home">HOME</a> <br><br></pr>
       <h1>O<font size=6>RTHOPAEDICS </font> D<font size=6>EPARTMENT</font></h1>
       <img src="ortho department.JPG" height="450px" width="300px" align=right>
       Excellence in patient care, research, and education is the overall goal of the
Department of Orthopaedics at WE CARE. <br >
           The Department of Orthopaedic Surgery provides a comprehensive and integrated
In addition to general Orthopaedics, the department has a faculty which
specializes in the field of joint replacement, sports medicine ,hand surgery, musculoskeletal
oncology, pediatricorthopaedics ,spine surgery and treatment of complex trauma. The recent
innovations inorthopaedic surgery such as minimally invasive joint replacement, surface
replacementarthroplasty, revision hip and knee replacements, minimally invasive spine surgery
, vascularisedgrafting for non unions, limb reimplatations, arthroscopic PCL and shoulder
There is also a bone bank facility in the deptt where both live donor bone and
cadaveric bone are preserved and used as and when required. <br>><br>
   ICMR and CSIR funded research projects in the field of orthopaedics are also being
carriedout.<br><br>
   The Institute also has modern Physiotherapy Unit which works is close co-ordination with
the Orthopaedic Department for comprehensive care of patients.
</body>
</html>
```

#### 3.CONTACT US PAGE

```
<html>
   <head>
       <title>Appointments</title>
       <link href="contactus page style.css" rel="stylesheet" type="text/css">
   </head>
   <body>
       <a href="homepage.html"><img src="back.png" class="back" height="60px"</pre>
width="60px"></a>
       <a href="homepage.html" class="home">HOME</a>
        <div class="mapouter"><div class="gmap canvas">
           <iframe class="gmap_iframe" width="100%" frameborder="0" scrolling="no"</pre>
marginheight="0" marginwidth="0"
src="https://maps.google.com/maps?width=885&height=338&hl=en&q=20/B, D1/B, 4th
Main Rd, Gokulam 2nd Stage, Gokulam, Mysuru, Karnataka 570002,
India&t=&z=10&ie=UTF8&iwloc=B&output=embed"></iframe>
           <a href="https://formatjson.org/">format json</a>
       </div>
        <style>.mapouter{position:relative;text-
align:right;width:100%;height:338px;}.gmap canvas
{overflow:hidden;background:none!important;width:100%;height:338px;}.gmap iframe
{height:338px!important;}</style></div>
        <h1>C<font size=6>ONTACT</font> U<font size=6>S</font> </h1>
        <img src="doctors.jpg" align="right" height="400px" width="900px">
       <div class="address"
              <font size="+2" face="Arial black"><u>WE CARE HOPITAL</u></font><br>
              <b>Address:</b><br><br>&nbsp;20/B, D1/B, 4th Main Rd, Gokulam 2nd Stage,
Gokulam, Mysuru,
     <br><br>Karnataka, 570002, India.<br><br>
              <br/><b>Phone:</b> 08214252962, +9008019867 <br>
           </div>
       </body>
       </html>
```

#### CSS:

```
body {
    background: url("Cool Wallpapers Blue Wallpapers Background.jpg") no-repeat fixed;
    background-size: cover;
    margin-top: 10px;
}
.booked {
    font-family: Candara;
    margin-bottom: -220px;
    font-size: 25px;
    font-weight: bold;
```

```
.formname{
    width: 200px;
    height: 30px;
    border-radius: 5px
.appointmentform{
    margin-top: 160px;
    margin-left: 650px;
    line-height: 40px;
    color: white;
    font-family: arial;
    font-size: 20px;
.address{
    margin-top: -350px;
    color: white;
    margin-left: 20px;
    font-size: 18px;
    line-height: 16px;
}
.booked {
    color: white;
    text-align: center;
    margin-top: 100px;
.box{
    box-sizing: border-box;
    background: rgba(0,0,0,.5);
    width: 700px;
    height: 600px;
    margin-left: 600px;
    margin-bottom: -930px;
    border-radius: 30px;
    display: block;
.submitbtn{
    margin-left: 180px;
    display: inline-block;
    padding: 15px 25px;
    font-size: 20px;
    cursor: pointer;
    text-align: justify;
    outline: none;
    color: black;
    background-color:#FFF;
    border: none;
    border-radius: 15px;
    box-shadow: 0 5px #999;
```

```
.submitbtn:hover {
    background-color:#0012A6;
    color: white;
.resetbtn{
    margin-left: 50px;
    display: inline-block;
    padding: 15px 25px;
    font-size: 20px;
    cursor: pointer;
    text-align: justify;
    outline: none;
    color: black;
    background-color:#FFF;
    border: none;
    border-radius: 15px;
    box-shadow: 0 5px #999;
.resetbtn:hover {
    background-color:#0012A6;
    color: white;
h1 {
    margin: 0px;
    color: darkblue;
    text-align: center;
    background-color:white;
    font-size: 40px;
.home {
    color: white;
    font-size: 30px;
    text-decoration: none;
.home:hover {
    border: solid white 3px;
.back {
    margin-bottom: -20px;
```

# CHAPTER 6 SYSTEM IMPLEMENTATION

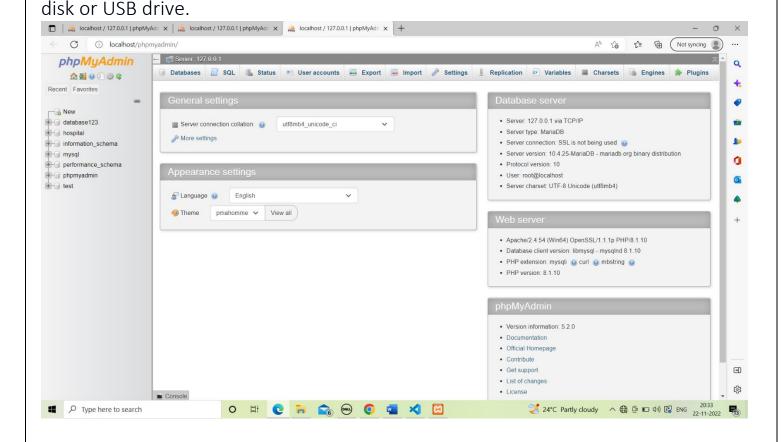
#### 6.1 INTRODUCTION

A system method is a systematically structured approach to effectively integrate a software based service or component into the work flow of an hospital structure or an individual end-user.

It is stated that the implementation of (product) software consumes up to 1/3 of the budget of a software purchase(more than hardware and software requirements together)the technology selected for implementing hospital website is PHP/MYSQL. Apache is used as the HTTP server.

#### 6.2 OBTAINING AND INSTALLING XAMPP

As previously mentioned, XAMPP is a free package available for download and use for various web development tasks. All XAMPP packages and add-ons are distributed through the Apache Friends website at the address: <a href="http://www.apachefriends.org/">http://www.apachefriends.org/</a>. once on the website, navigate and find the windows version of XAMPP and download the self-extracting ZIP archive. After downloading the archive, run and extract its contents into the root path of a hard

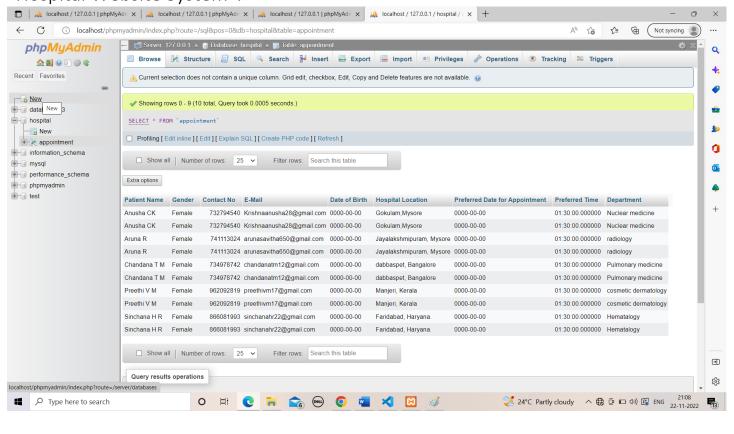


#### 6.3 CREATING A DATABASE AND INSERTING DATA

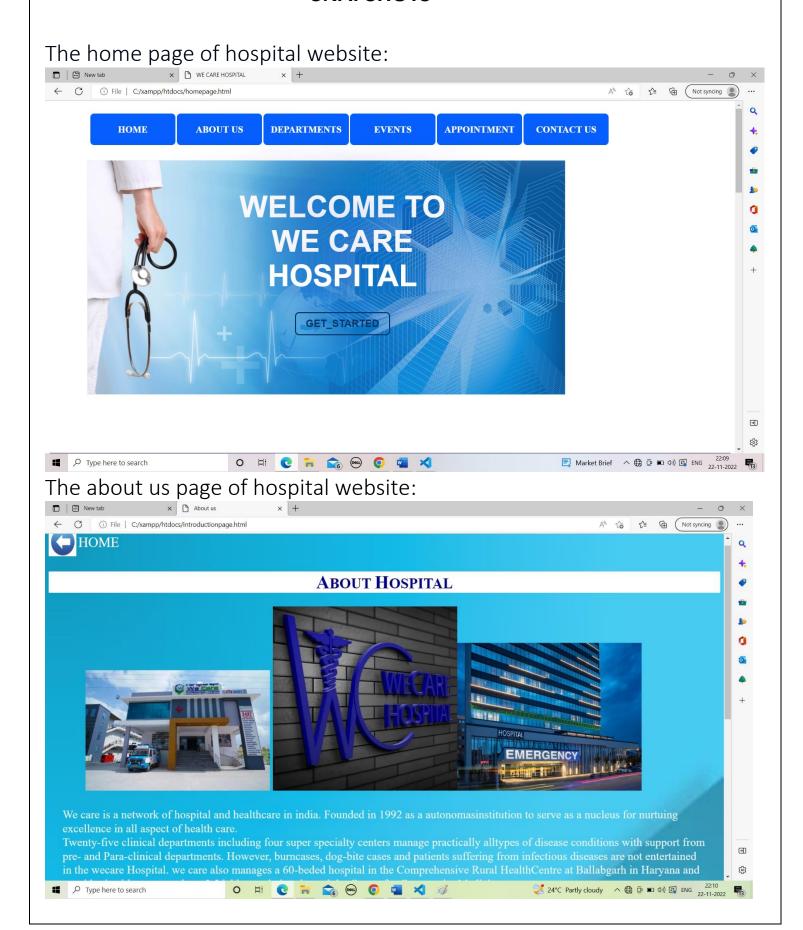
Now that we have run and tested Apache and PHP, the next step is running MySQL and creating a database and table which will hold information to be used by our website. In order to start MySQL, navigate to the XAMPP directory and run the mysql\_start.bat batch file. The XAMPP package contains an application called phpMy/Admin which allows developers to administer and maintain MySQL databases.

We will be using phpMyAdmin to create a database and table, and enter test data. We type <a href="http://localhost/phpMyAdmin/into">http://localhost/phpMyAdmin/into</a> our web browser. If successful we will be presented with a php/MyAdmin start page similar to one shown below.

The first step with phpMyAdmin running is creating a new database. We create a new database by directly executing SQL statements. The successful execution of the sql query creates a database 'hospital' with five tables in it. The tables are appointment page and patient information. We also inserted values in the appointment table. The screenshot below shows the successful execution of the query thus creation of a database named hospital. Creation of database in mysql using php/MyAdmin Thus we have learned to create a database in MYSQL by executing sql statements. After creating the database and tables we are now ready to use them in our website "Hospital Website System".

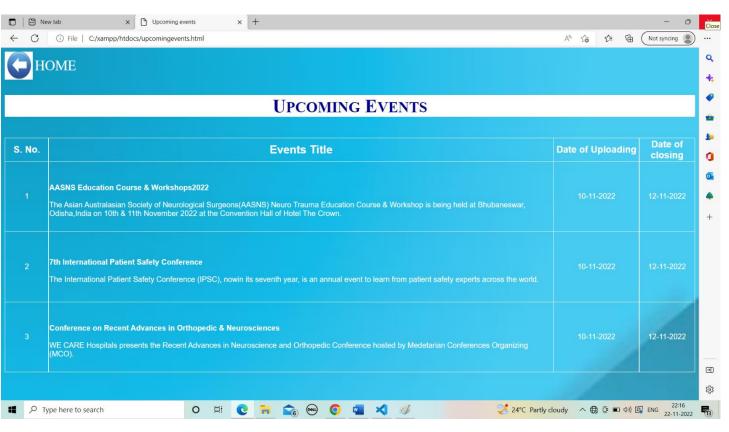


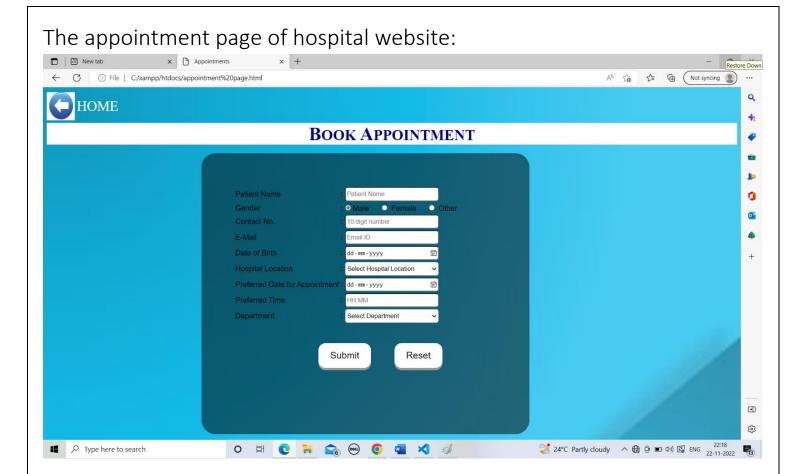
# CHAPTER 7 SNAPSHOTS



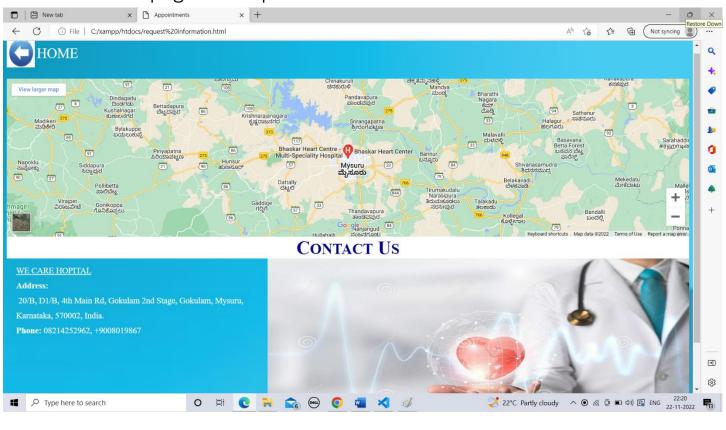


### The events page of hospital website:





The contact us page of hospital website:



# CHAPTER 8 CONCLUSION

Since the Hospital Management System is essential for maintaining detail about the Doctor, Patient, Hospital staff etc. It is understood that on the introduction of the Hospital Management Project into play, the work at the hospitals would be seamless and efficient. Transferring the patient data would take only seconds compared to the traditional way of sending the file manually. Usually boring and mundane accounts work will also be automated and simplified.

Taking into account all the mentioned details, we can make the conclusion that the hospital management system is the inevitable part of the lifecycle of the modern medical institution. It automates numerous daily operations and enables smooth interactions of the users. Developing the hospital system software is a great opportunity to create the distinct, efficient and fast delivering healthcare model.

Implementation of hospital management system project helps to store all the kinds of records, provide coordination and user communication, implement policies, improve day-to-day operations, arrange the supply chain, manage financial and human resources, and market hospital services. This beneficial decision covers the needs of the patients, staff and hospital authorities and simplifies their interactions. It has become the usual approach to manage the hospital. Many clinics have already experienced its advantages and continue developing new hospital management system project modules.

# CHAPTER 9 REFERENCES

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