A Minor Project Report

On

TRACE OF MEDICAL RECORD

submitted on partial fulfilment of requirements for the award of the

Degree of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING

Under the guidance of

Mrs. I. KARTHIKA Assistant professor/CSE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)

KARUR-639 113

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M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous Institution affiliated to Anna University, Chennai)

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BONAFIDE CERTIFICATE

Certified that this minor project report **"TRACE OF MEDICAL RECORD"** is the bonafide work of **"ARVIND VENKAT (927621BCS013), DEVADHARSHINI A(927621BCS020), GOBALA KRISHNAN G(927621BCS032), KANNAN S(927621BCS051)"** who carried out the project work during the academic year 2022-2023 under my supervision.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION OF THE INSTITUTION

To emerge as a leader among the top institutions in the field of technical education

MISSION OF THE INSTITUTION

Produce smart technocrats with empirical knowledge who can surmount the global challenges

Create a diverse, fully-engaged, learner-centric campus environment to provide quality education to the students

Maintain mutually beneficial partnerships with our alumni, industry, and Professional

associations

VISION OF THE DEPARTMENT

To achieve education and research excellence in Computer Science and Engineering

MISSION OF THE DEPARTMENT

To excel in academic through effective teaching learning techniques

To promote research in the area of computer science and engineering with the focus on innovation

To transform students into technically competent professionals with societal and ethical

responsibilities

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO 1: Graduates will have successful career in software industries and R&D divisions through continuous learning.

PEO 2: Graduates will provide effective solutions for real world problems in the key domain of computer science and engineering and engage in lifelong learning.

PEO 3: Graduates will excel in their profession by being ethically and socially responsible

PROGRAM OUTCOMES (POs)

Engineering students will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.

8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Professional Skills: Ability to apply the knowledge of computing techniques to design and develop computerized solutions for the problems.

PSO2: Successful career: Ability to utilize the computing skills and ethical values in creating a successful career.

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ABSTRACT WITH PO AND PSO MAPPING

ABSTRACT	POs MAPPED	PSOs MAPPED
Human medical data's are not stored for future use. If any accident occurred in unknown places, Doctors are not able to give treatment to the patients efficiently due to unavailability of medical records for patients. Our project concentrates on storing medical records of human from childhood and giving security to access that data by using finger prints. Data stored by using fingerprints.	PO1(3) PO2(3) PO3(2) PO4(2) PO5(2) PO6(1) PO7(3) PO8(2) PO9(3) PO10(3) PO11(2) PO12(2)	PSO 1(3) PSO 2(2)

Note:1-Low,2-Medium,3-High

SUPERVISOR   **HEAD OF THE DEPARTMENT**

ABSTRACT

Human medical data's are not stored for future use. If any accident occurred in unknown places, Doctors are not able to give treatment to the patients efficiently due to unavailability of medical records for patients. Our project concentrates on storing medical records of human from childhood and giving security to access that data by using finger prints. Data stored by using fingerprints.

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ACRONYMS

TMR   Trace of Medical Record

CPR   Computer-based Patient Record

EHR   Electronic Health Record

SRS   System Requirement Specification

CHAPTER 1
INTRODUCTION

A Trace of medical record (TMR) give the access to patients and stores the medical records in website. This system will provide efficient support for patients to store the medical records and update the records whenever it is necessary. This system will helpful for the patients and doctors whenever the patients are n difficult situation. This TMR will store the all the details of the patients such as doctor name, illness information, name of the tablets etc…

Figure: 1.1 TRACE OF MEDICAL RECORD

1.1 OVERVIEW

Trace of Medical record is a project which aims in developing a computerized system to maintain all the records to be stored in website. This project has many features which are generally not available in normal storage facilities. It also has a facility of admin login through the admin can monitor the whole system. This system can generate the reports of the patient list, doctor list etc…

Overall, this project of ours is being developed to help the patients as well as doctor to maintain the details of the patient in the possible way.

1.2 DOMAIN INTRODUCTION

A patient record is the repository of information about a single patient. This information is generated by health care professionals as a direct result of interaction with a patient or with individuals who have personal knowledge of the patient (or with both). Traditionally, patient records have been paper and have been used to store patient care data.

A computer-based patient record (CPR) is an electronic patient record that resides in a system specifically designed to support users by providing accessibility to complete and accurate data, alerts, reminders, clinical decision support systems,3 links to medical knowledge, and other aids.

A primary patient record is used by health care professionals while providing patient care services to review patient data or document their own observations, actions, or instructions.

A secondary patient record is derived from the primary record and contains selected data elements to aid nonclinical users (i.e., persons not involved in direct patient care) in supporting, evaluating, or advancing patient care. 4 Patient care support refers to administration, regulation, and payment functions. Patient care evaluation refers to quality assurance, utilization review, and medical or legal audits. Patient care advancement refers to research. These records are often

combined to form what the committee terms a secondary database (e.g., an insurance claims database).

A patient record system is the set of components that form the mechanism by which patient records are created, used, stored, and retrieved. A patient record system is usually located within a health care provider setting. It includes people, data, rules and procedures, processing and storage devices.

1.3 PROBLEM STATEMENT

Manual process of storing the medical records is difficult to maintain. There are various problems faced by the patients in hospital such as searching the previous health records, the tablets to be used etc…To overcome this situation, Trace of medical record has been developed. It will handle the current issues faced by the patients and the doctors.

➢ This system has been running totally in a paper based through that many error may occur.

➢ The hospital does not have any online system to store the medical records.

1.4 OBJECTIVE

The aim of this project is to develop a system that can handle and manage the activities involved in a storage of medical record. It is easy to search the user's profile and to update the details in the medical history.

- ➢ Develop a system that can handle the medical record storage.
- ➢ Admin should have the login.
- ➢ Create an easy to store the records.
- ➢ Give facility to store the records of the patients.

The main purpose for the trace of medical record is to handle the entire details of the patients. It manages all the information about the patient's list, doctor's list, user list and room list. The purpose of this project is to build a program to reduce the manual work for managing all the details. It keeps all the information about the patients and doctors.

CHAPTER 2
LITERATURE SURVEY

➢ **Mukti Sharma's** - "Improving medical stores management through automation and effective communication", he achieved the medical store inventory status. Likewise, we are making the patient medical record.

➢ **Ville Viopoi-**The Finnish Patient Data Repository is a nationwide electronic health record (EHR) system collecting patient data from all healthcare providers. The usefulness of the large amount of data stored in the system depends on the underlying data structures, and thus a solid understanding of these structures is in focus in further development of the data repository. This study seeks to improve that understanding by a systematic literature review. The review takes the physician's perspective to the use and usefulness of the data structures. The articles included in this review study data structures intended to be used in the actual care process. Secondary use and nursing aspects have been covered in separate reviews. After applying the predefined inclusion and exclusion criteria only 40 articles were included in the review. The research on widespread systems in everyday use was especially scarce, most studies concentrated on narrow fields. Majority of these studies were primarily developed for specialist use in secondary care units. Most

structures or applications studied were at an early stage of development. In many applications the use of structured data was found to improve the completeness of the documented data and facilitate its automated use. However, there seem to be some applications where narrative text cannot be easily replaced by structured data.

CHAPTER 3

FEASIBILITY STUDY

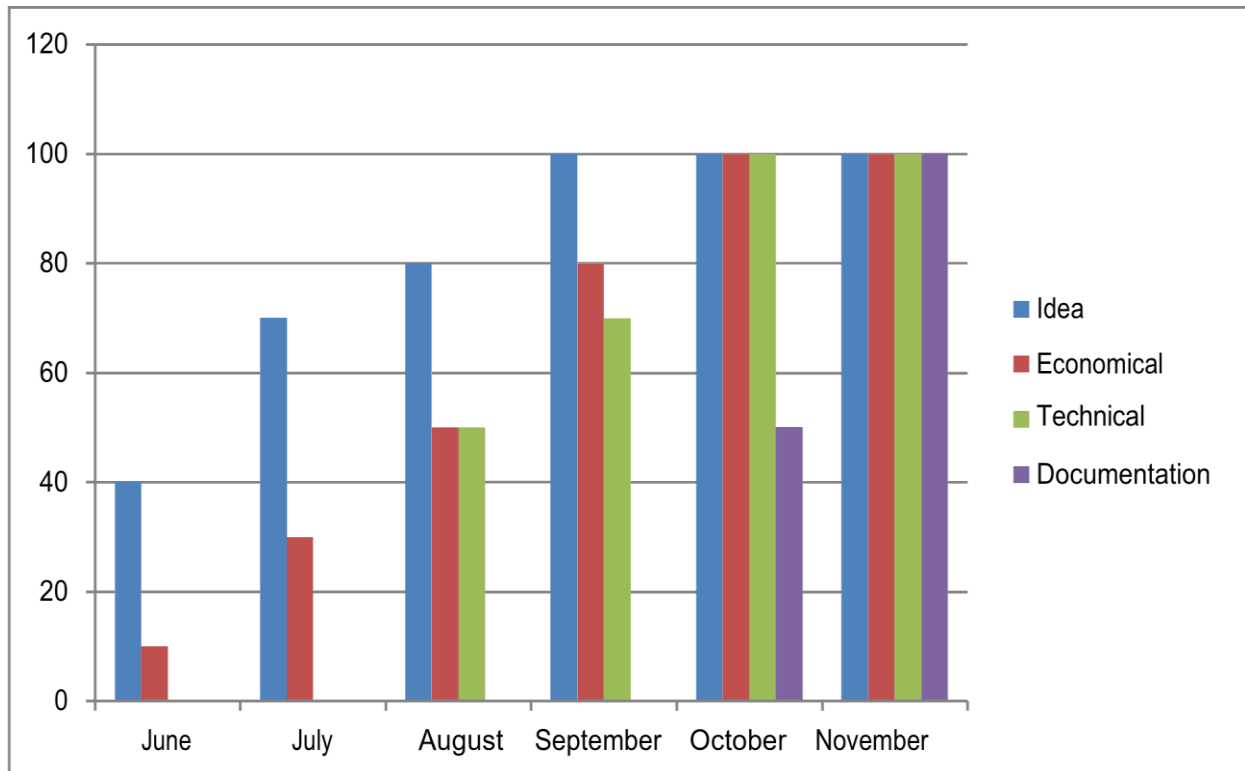**Figure 3.1 Feasibility Study for Trace of medical record**

1. Idea: We have planned to design the Trace of medical record system using Php language and MySQL.

2. Economic Feasibility: There is very important aspect to be consider while developing of project. we decided to the technology based on minimum possible cost factor.

   ➢ All Hardware and software cost has to be borne by the organization

> ➢ Overall, we have estimate that the benefit the organization is going to receive from the proposed system will surely overcome initial cost and the later on running cost for system.

3.Technical Feasibility: This includes the study of functions, performance and constraints affect the ability to achieve an acceptable system. For the feasibility study, we study complete functionality to be provided in the system, as described System Requirement Specification (SRS) and checked if everything is possible.

4.Documentation: The documentation is completed after getting approval of supervisor.

CHAPTER 4
PROJECT METHODOLOGY

4.1 BLOCK DIAGRAM OF TMR
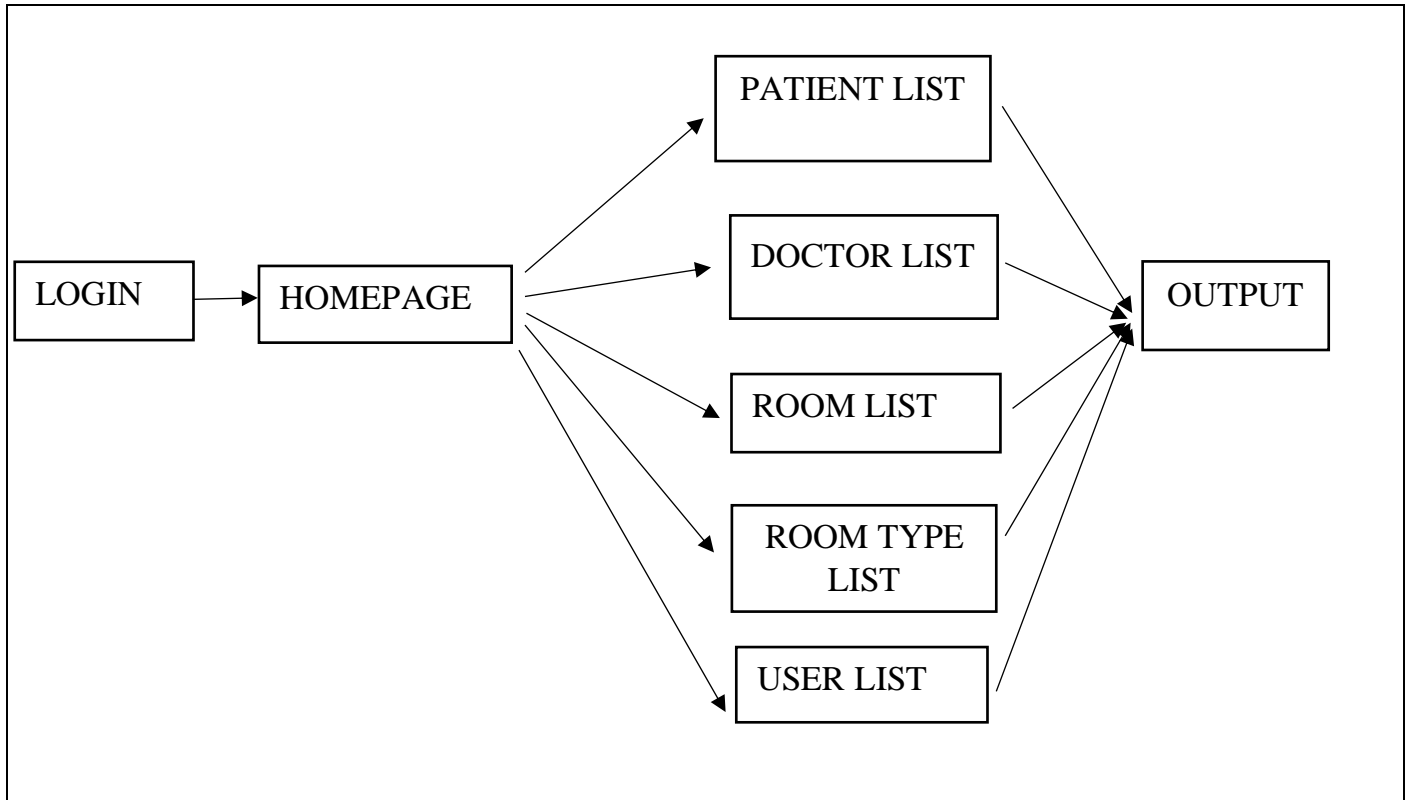
Figure:4.1 Block diagram of TMR

This block diagram contains the details about the Trace of medical record it includes the information about the patient list, doctor list, room list, room type list, user list. The patient list contains the details patient code, patient full name, gender, address and the medical history of patient. Doctor list are provided based on their specialization. User list contains the details of the patient to save in this website.

4.2 MODULE DESCRIPTION

✦ LOGIN

  - ➢ The login page has login and password for the admin login.
  - ➢ This page is created only for the admin login.
  - ➢ The login id and password are created same for all the admin's who have login this page.

✦ PATIENT LIST

  - ➢ The patient list contains the details of patients which are to recorded in this page.
  - ➢ In this page after the each and every treatment the details have been updated.
  - ➢ It also has been deleting the details when the details are not necessary.

✦ DOCTOR LIST

  - ➢ In the doctor list, it should have the details of the doctors such as their specialization, mail id, contact number.
  - ➢ In the patient details, it also has the details of the doctors and for which treatment they are taken by this   method.

CHAPTER 5

RESULTS AND DISCUSSION

FIGURE 5.1 Screenshot of Login page

- This figure deals with the login process of admin.
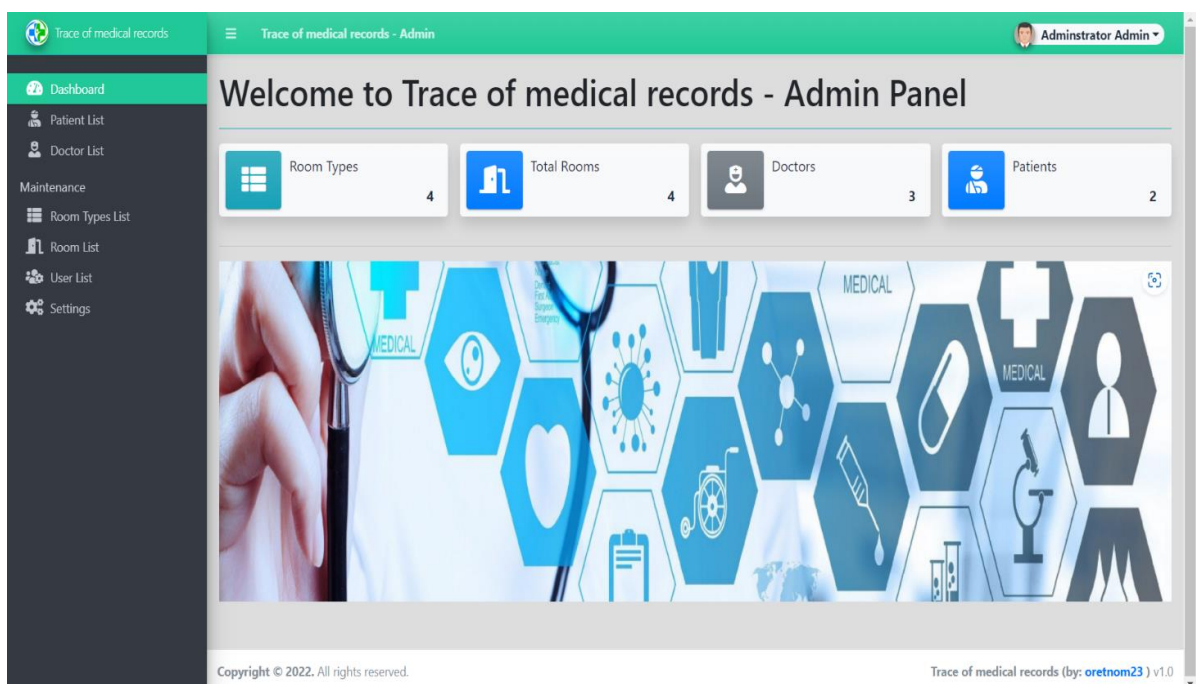
FIGURE 5.2 Screenshot of Homepage

▪ This figure shows that after the successful login and enters into the Homepage.

FIGURE 5.3   Screenshot of saving the record

- This figure shows the details of saving the patient history in website.
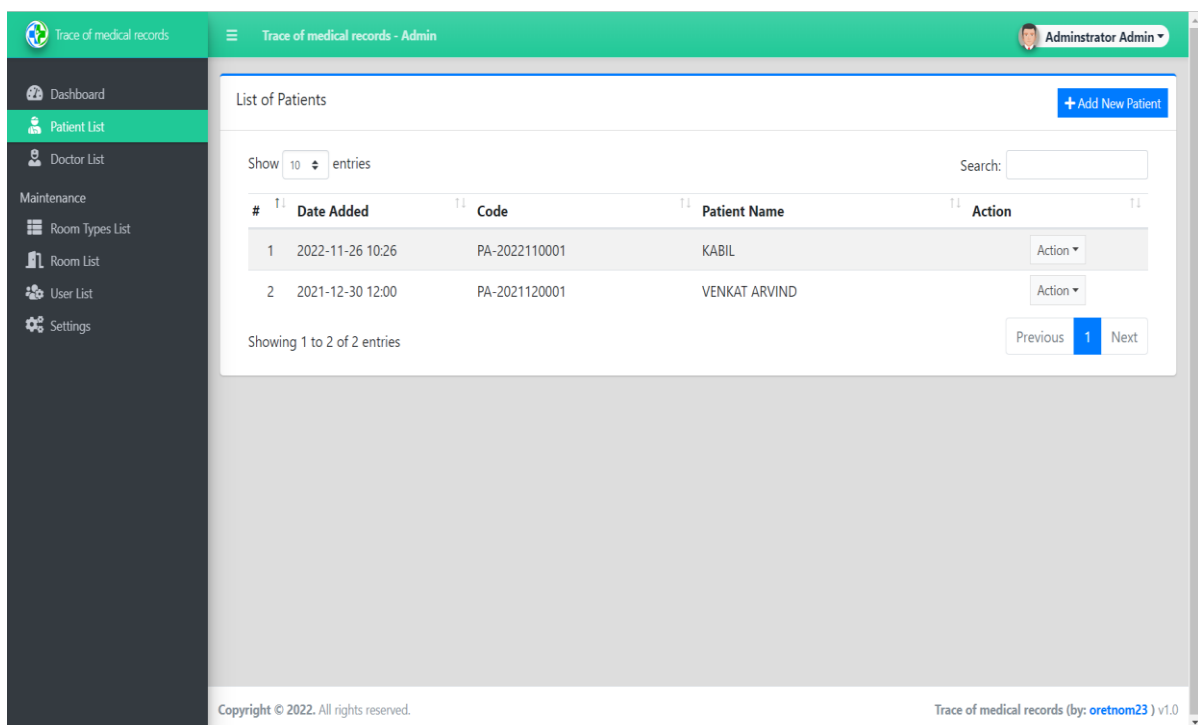
FIGURE 5.4 Screenshot of patient details

- This figure shows the details of the patient which are stored.
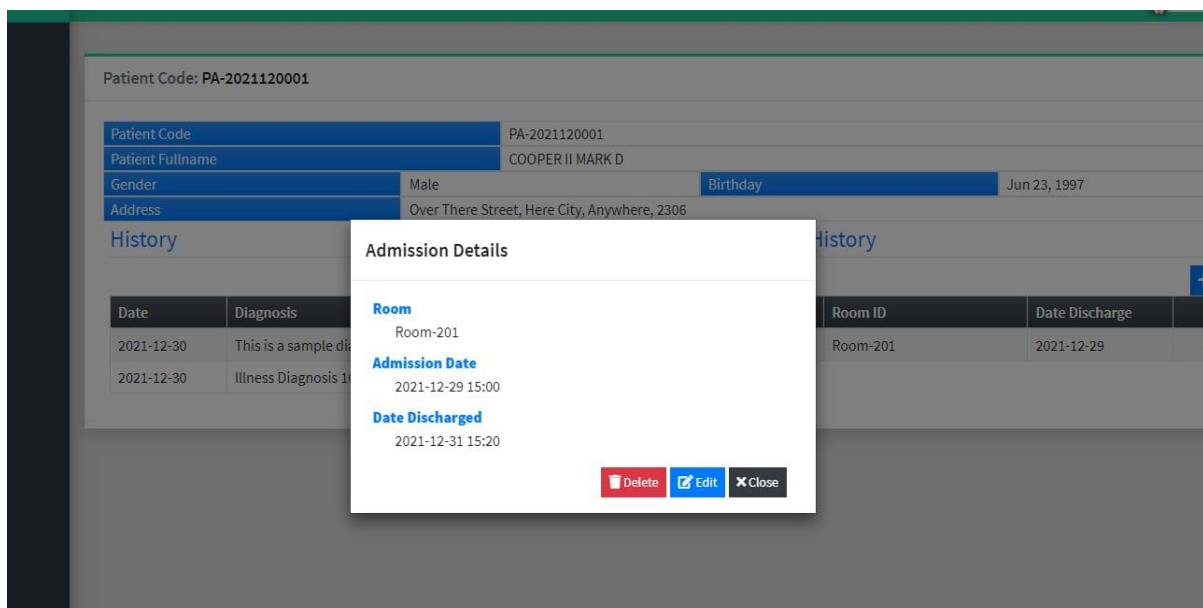
FIGURE 5.5 Screenshot of admission details

▪ This figure shows that admission details of the patients.
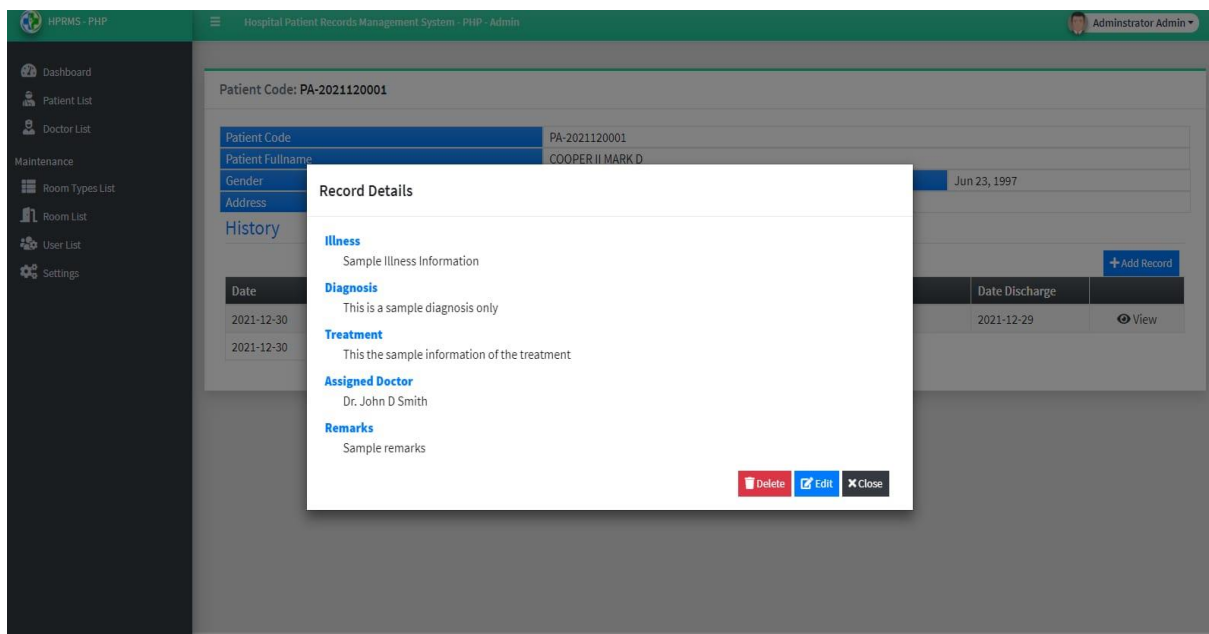
FIGURE 5.6 Screenshot of record details

▪ This figure shows that record details of the patient that are stored by admin.
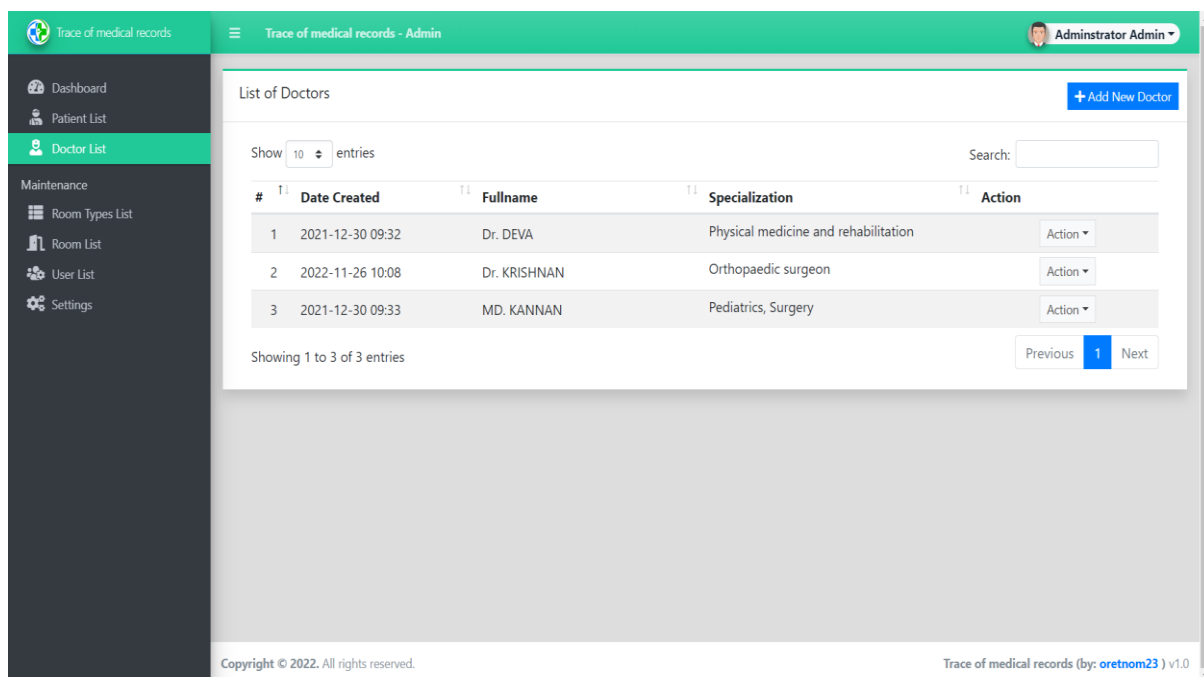
FIGURE 5.7 Screenshot of doctor list

- This figure shows the screenshot of the doctor list that are stored
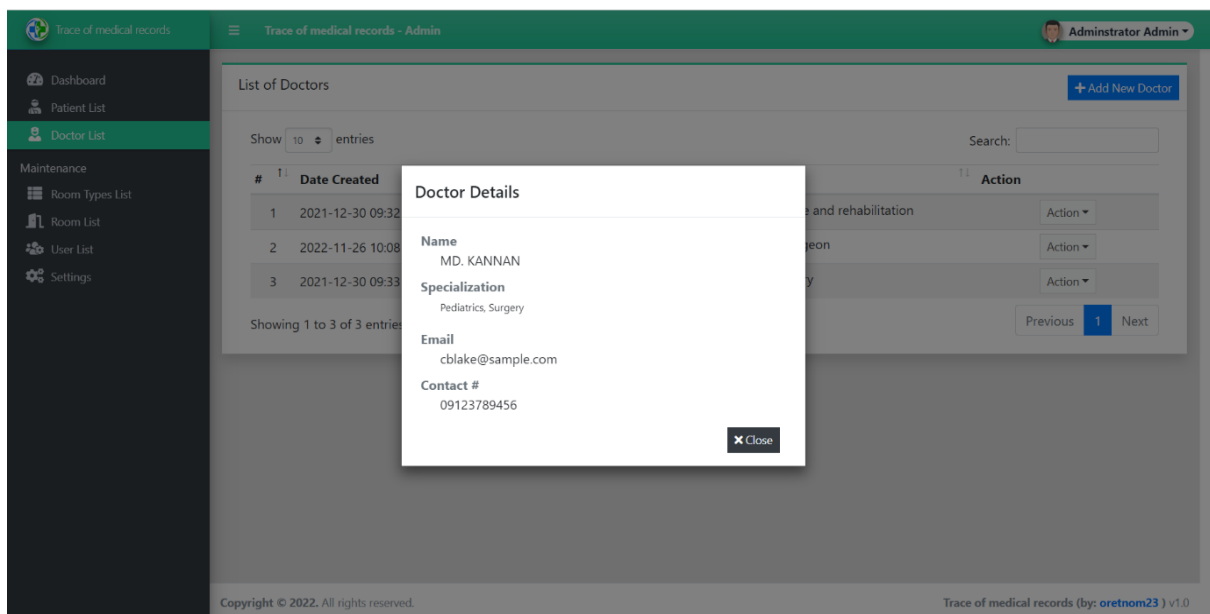
FIGURE 5.8 Screenshot of doctor details

▪ This figure shows the screenshot of the doctor details.

CHAPTER 6
CONCLUSION

The "Trace of medical record" process made computerized to reduce human activities. Managing medical activities has been implemented to help the patients. The focus of our project is to help the patients and doctors when it is necessary. Therefore, storing medical records has been successfully implemented to help patients.

REFERENCES

- https://www.researchgate.net/publication/274196269_Improving_medical_stores_management_through_automation_and_effective_communication

- https://pubmed.ncbi.nlm.nih.gov/26900225/

APPENDIX

INITIALIZATION:

```php
<?php
$dev_data = array('id'=>'-1','firstname'=>'Developer','lastname'=>'','username'=>'dev_oretnom','password'=>'5da283a2d990e8d8512cf967df5bc0d0','last_login'=>'','date_updated'=>'','date_added'=>'');

if(!defined('base_url')) define('base_url','http://localhost/hprms/');

if(!defined('base_app')) define('base_app', str_replace('\\','/',_DIR_).'/' );

if(!defined('dev_data')) define('dev_data',$dev_data);

if(!defined('DB_SERVER')) define('DB_SERVER',"localhost");

if(!defined('DB_USERNAME')) define('DB_USERNAME',"root");

if(!defined('DB_PASSWORD')) define('DB_PASSWORD',"");

if(!defined('DB_NAME')) define('DB_NAME',"hprms_db");
?>
```

CONFIGURE:

```php
<?php
ob_start();
ini_set('date.timezone','Asia/Manila');
date_default_timezone_set('Asia/Manila');
session_start();


require_once('initialize.php');
require_once('classes/DBConnection.php');
```

```php
require_once('classes/SystemSettings.php');

$db = new DBConnection;

$conn = $db->conn;

function redirect($url=''){

        if(!empty($url))

        echo '<script>location.href="'.base_url .$url.'"</script>';

}

function validate_image($file){

        if(!empty($file)){

                        // exit;

        $ex = explode('?',$file);

        $file = $ex[0];

        $param =  isset($ex[1]) ? '?'.$ex[1]  : '';

                if(is_file(base_app.$file)){

                        return base_url.$file.$param;

                }else{

                        return base_url.'dist/img/no-image-available.png';

                }

        }else{

                return base_url.'dist/img/no-image-available.png';

        }

}

function isMobileDevice(){

   $aMobileUA = array(

      '/iphone/i' => 'iPhone',

      '/ipod/i' => 'iPod',

      '/ipad/i' => 'iPad',
```

```php
        '/android/i' => 'Android',

        '/blackberry/i' => 'BlackBerry',

        '/webos/i' => 'Mobile'

    );

    //Return true if Mobile User Agent is detected

    foreach($aMobileUA as $sMobileKey => $sMobileOS){

        if(preg_match($sMobileKey, $_SERVER['HTTP_USER_AGENT'])){

            return true;

        }

    }

    //Otherwise return false..

    return false;

}

ob_end_flush();

?>
```

DOCTOR:

```html
<style>

    .img-thumb-path{

        width:100px;

        height:80px;

        object-fit:scale-down;

        object-position:center center;

    }

</style>

<div class="card card-outline card-teal rounded-0 shadow">
```

```html
<div class="card-header">
        <h3 class="card-title">List of Doctors</h3>
        <div class="card-tools">
                <a href="javascript:void(0)" id="create_new" class="btn btn-flat btn-sm btn-primary"><span class="fas fa-plus"></span>  Add New Doctor</a>
        </div>
</div>
<div class="card-body">
        <div class="container-fluid">
    <div class="container-fluid">
                <table class="table table-hover table-striped">
                        <colgroup>
                                <col width="5%">
                                <col width="20%">
                                <col width="25%">
                                <col width="30%">
                                <col width="20%">
                        </colgroup>
                        <thead>
                                <tr>
                                        <th>#</th>
                                        <th>Date Created</th>
                                        <th>Fullname</th>
                                        <th>Specialization</th>
                                        <th>Action</th>
                                </tr>
                        </thead>
```

```php
                    <tbody>
<?php
$i = 1;
$qry = $conn->query("SELECT * from `doctor_list` where delete_flag = 0
order by `fullname` asc ");
while($row = $qry->fetch_assoc()):
?>
<tr>
    <td class="text-center"><?php echo $i++; ?></td>
    <td class=""><?php echo date("Y-m-d H:i",strtotime
($row['date_created'])) ?>
    </td>
    <td>
        <?php echo ucwords($row['fullname']) ?>
    </td>
    <td class="truncate-1"><?php echo $row['specialization'] ?></td>
    <td align="center">
        <button type="button" class="btn btn-flat btn-default btn-sm
dropdown-toggle dropdown-icon" data-toggle="dropdown">
                                <span class="sr-only">Toggle
Dropdown</span>
                            </button>
                            <div class="dropdown-menu"
role="menu">
                                <a class="dropdown-item view_data"
href="javascript:void(0)" data-id ="<?php echo $row['id'] ?>"><span class="fa
fa-eye text-dark"></span> View</a>
                                <div class="dropdown-divider"></div>
```

```php
                                      <a class="dropdown-item edit_data"
href="javascript:void(0)" data-id ="<?php echo $row['id'] ?>"><span class="fa
fa-edit text-primary"></span> Edit</a>

                                      <div class="dropdown-divider"></div>

                                      <a class="dropdown-item delete_data"
href="javascript:void(0)" data-id="<?php echo $row['id'] ?>"><span class="fa
fa-trash text-danger"></span> Delete</a>

                                  </div>

                              </td>

                          </tr>

                      <?php endwhile; ?>

                  </tbody>

              </table>

          </div>

      </div>

  </div>

</div>

<script>

    $(document).ready(function(){

    $('#create_new').click(function(){

                uni_modal("Add New
Doctor","doctors/manage_doctor.php")

        })

    $('.edit_data').click(function(){

                uni_modal("Update Doctor
Details","doctors/manage_doctor.php?id="+$(this).attr('data-id'))

        })

        $('.delete_data').click(function(){

                _conf("Are you sure to delete this Doctor
permanently?","delete_doctor",[$(this).attr('data-id')])
```

```
            })
            $('.view_data').click(function(){
                uni_modal("Doctor
Details","doctors/view_doctor.php?id="+$(this).attr('data-id'))
            })
            $('.table td, .table th').addClass('py-1 px-2 align-middle')
            $('.table').dataTable({
        columnDefs: [
            { orderable: false, targets: 4 }
        ],
    });
        })
    function delete_doctor($id){
            start_loader();
            $.ajax({
                url:base_url+"classes/Master.php?f=delete_doctor",
                method:"POST",
                data:{id: $id},
                dataType:"json",
                error:err=>{
                    console.log(err)
                    alert_toast("An error occured.",'error');
                    end_loader();
                },
                success:function(resp){
                    if(typeof resp== 'object' && resp.status == 'success'){
                        location.reload();
                    }else{
```

```
                              alert_toast("An error occured.",'error');

                              end_loader();

                      }

                  }

              })

          }

</script>
```

DOCTOR LIST:

```php
<?php
require_once('../../config.php');
if(isset($_GET['id'])){
   $qry = $conn->query("SELECT * FROM `doctor_list` where id =
'{$_GET['id']}'");
   if($qry->num_rows > 0){
      $res = $qry->fetch_array();
      foreach($res as $k => $v){
         if(!is_numeric($k))
         $$k = $v;
      }
   }
}
?>
<style>
   #cimg{
      object-fit:scale-down;
      object-position:center center;
```

30

```
        height:200px;

        width:200px;

    }

</style>

<div class="container-fluid">

    <form action="" id="doctor-form">

        <input type="hidden" name="id" value="<?php echo isset($id) ? $id : "
?>">

        <div class="form-group">

            <label for="fullname" class="control-label">Fullname</label>

            <input type="text" name="fullname" id="fullname" class="form-control
form-control-border" placeholder="Enter Fullname" value ="<?php echo
isset($fullname) ? $fullname : " ?>" required>

        </div>

        <div class="form-group">

            <label for="specialization" class="control-label">Specialization</label>

            <textarea rows="3" name="specialization" id="specialization"
class="form-control form-control-sm rounded-0" placeholder="Write the
doctor's specialization here." required><?php echo isset($specialization) ?
$specialization : " ?></textarea>

        </div>

        <div class="form-group">

            <label for="email" class="control-label">Email</label>

            <input type="email" name="email" id="email" class="form-control
form-control-border" placeholder="Enter Email" value ="<?php echo
isset($email) ? $email : " ?>" required>

        </div>

        <div class="form-group">

            <label for="contact" class="control-label">Contact #</label>
```

```
        <input type="text" name="contact" id="contact" class="form-control
form-control-border" placeholder="Enter Contact #" value ="<?php echo
isset($contact) ? $contact : '' ?>" required>

      </div>

   </form>

</div>

<script>

  $(function(){

     $('#uni_modal #doctor-form').submit(function(e){

        e.preventDefault();

        var _this = $(this)

        $('.pop-msg').remove()

        var el = $('<div>')

          el.addClass("pop-msg alert")

          el.hide()

        start_loader();

        $.ajax({

           url:base_url+"classes/Master.php?f=save_doctor",

                        data: new FormData($(this)[0]),

           cache: false,

           contentType: false,

           processData: false,

           method: 'POST',

           type: 'POST',

           dataType: 'json',

                        error:err=>{

                              console.log(err)

                              alert_toast("An error occured",'error');
```

```
                              end_loader();
                          },
              success:function(resp){
                  if(resp.status == 'success'){
                      location.reload();
                  }else if(!!resp.msg){
                      el.addClass("alert-danger")
                      el.text(resp.msg)
                      _this.prepend(el)
                  }else{
                      el.addClass("alert-danger")
                      el.text("An error occurred due to unknown reason.")
                      _this.prepend(el)
                  }
                  el.show('slow')
                  $('html,body,.modal').animate({scrollTop:0},'fast')
                  end_loader();
              }
          })
      })
  })
</script>
```

VIEW DOCTOR:

```php
<?php
require_once('../../config.php');
if(isset($_GET['id'])){
   $qry = $conn->query("SELECT * FROM `doctor_list` where id =
'{$_GET['id']}'");
   if($qry->num_rows > 0){
      $res = $qry->fetch_array();
      foreach($res as $k => $v){
         if(!is_numeric($k))
         $$k = $v;
      }
   }
}
?>
<style>
   #uni_modal .modal-footer{
      display:none !important;
   }
</style>
<div class="container-fluid">
   <dl>
      <dt class="text-muted">Name</dt>
      <dd class='pl-4 fs-4 fw-bold'><?= isset($fullname) ? $fullname : '' ?></dd>
      <dt class="text-muted">Specialization</dt>
      <dd class='pl-4'>
```

```
      <p class=""><small><?= isset($specialization) ?
html_entity_decode($specialization) : '' ?></small></p>

    </dd>

    <dt class="text-muted">Email</dt>

    <dd class='pl-4 fs-4 fw-bold'><?= isset($email) ? ($email) : "N/A"
?></dd>

    <dt class="text-muted">Contact #</dt>

    <dd class='pl-4 fs-4 fw-bold'><?= isset($contact) ? ($contact) : "N/A"
?></dd>

  </dl>

  <div class="col-12 text-right">

    <button class="btn btn-flat btn-sm btn-dark" type="button" data-
dismiss="modal"><i class="fa fa-times"></i> Close</button>

  </div>

</div>
```

PATIENT:

```
<?php if($_settings->chk_flashdata('success')): ?>
<script>
     alert_toast("<?php echo $_settings->flashdata('success') ?>",'success')
</script>
<?php endif;?>

<style>
  .img-avatar{
    width:45px;
    height:45px;
    object-fit:cover;
```

```
            object-position:center center;

            border-radius:100%;

        }

</style>

<div class="card card-outline card-primary">

        <div class="card-header">

                <h3 class="card-title">List of Patients</h3>

                <div class="card-tools">

                        <a href="javascript:void(0)" id="create_new" class="btn
btn-flat btn-sm btn-primary"><span class="fas fa-plus"></span> Add New
Patient</a>

                </div>

        </div>

        <div class="card-body">

                <div class="container-fluid">

    <div class="container-fluid">

                        <table class="table table-hover table-striped">

                                <colgroup>

                                        <col width="5%">

                                        <col width="20%">

                                        <col width="25%">

                                        <col width="30%">

                                        <col width="20%">

                                </colgroup>

                                <thead>

                                        <tr>

                                                <th>#</th>

                                                <th>Date Added</th>
```

```php
                            <th>Code</th>
                            <th>Patient Name</th>
                            <th>Action</th>
                        </tr>
                    </thead>
                    <tbody>
                        <?php
                            $i = 1;
                            $qry = $conn->query("SELECT * from
`patient_list` where delete_flag = 0 order by fullname asc ");
                            while($row = $qry->fetch_assoc()):
                        ?>
                            <tr>
                                <td class="text-center"><?php
echo $i++; ?></td>
                                <td><?php echo date("Y-m-d
H:i",strtotime($row['date_created'])) ?></td>
                                <td><?php echo ($row['code'])
?></td>
                                <td><?php echo
ucwords($row['fullname']) ?></td>
                                <td align="center">
                                    <button type="button"
class="btn btn-flat btn-default btn-sm dropdown-toggle dropdown-icon" data-
toggle="dropdown">
                                        Action
                                        <span class="sr-only">Toggle
Dropdown</span>
                                    </button>
```

```html
                                    <div class="dropdown-menu" role="menu">
                                        <a class="dropdown-item edit_data" href="./?page=patients/view_patient&id=<?= $row['id'] ?>"><span class="fa fa-eye text-dark"></span> View Records</a>
                                        <div class="dropdown-divider"></div>
                                        <a class="dropdown-item edit_data" href="javascript:void(0)" data-id="<?php echo $row['id'] ?>"><span class="fa fa-edit text-dark"></span> Edit</a>
                                        <div class="dropdown-divider"></div>
                                        <a class="dropdown-item delete_data" href="javascript:void(0)" data-id="<?php echo $row['id'] ?>"><span class="fa fa-trash text-danger"></span> Delete</a>
                                    </div>
                                </td>
                            </tr>
                        <?php endwhile; ?>
                    </tbody>
                </table>
            </div>
        </div>
    </div>
</div>
<script>
    $(document).ready(function(){
        $('.delete_data').click(function(){
            _conf("Are you sure to delete this user permanently?","delete_patient",[$(this).attr('data-id')])
        })
```

```
$('#create_new').click(function(){
        uni_modal("Add New patient
Details","patients/manage_patient.php",'mid-large')
    })
    $('.edit_data').click(function(){
        uni_modal("Update patient
Details","patients/manage_patient.php?id="+$(this).attr('data-id'),'mid-large')
    })
    $('.table td,.table th').addClass('py-1 px-2 align-middle')
    $('.table').dataTable();
})
function delete_patient($id){
    start_loader();
    $.ajax({
        url:base_url+"classes/Master.php?f=delete_patient",
        method:"POST",
        data:{id: $id},
        dataType:"json",
        error:err=>{
            console.log(err)
            alert_toast("An error occured.",'error');
            end_loader();
        },
        success:function(resp){
            if(typeof resp== 'object' && resp.status == 'success'){
                location.reload();
            }else{
                alert_toast("An error occured.",'error');
```

```
                              end_loader();

                    }

               }

          })

     }
</script>
```

MANAGE PATIENT ADMISSION:

```php
<?php
require_once('../../config.php');
if(isset($_GET['id'])){
   $qry = $conn->query("SELECT * FROM `admission_history` where id =
'{$_GET['id']}'");
   if($qry->num_rows > 0){
      $res = $qry->fetch_array();
      foreach($res as $k => $v){
         if(!is_numeric($k))
         $$k = $v;
      }
   }
}
?>
<style>
   #cimg{
      object-fit:scale-down;
      object-position:center center;
      height:200px;
```

40

```
        width:200px;

    }

</style>

<div class="container-fluid">

    <form action="" id="patient-history-form">

        <input type="hidden" name="id" value="<?php echo isset($id) ? $id : ''
?>">

        <input type="hidden" name="patient_id" value="<?php echo
isset($_GET['pid']) ? $_GET['pid'] : '' ?>">

            <div class="row">

                <div class="form-group col-lg-6 col-md-8 cols-sm-12">

                    <label for="room_id" class="control-label">Room</label>

                    <select name="room_id" id="room_id" class="form-control form-
control-border select2">

                        <option value="" disabled <?= !isset($room_id) ? "selected" : ""
?>></option>

                        <?php

                        $qry = $conn->query("SELECT * FROM `room_list` where
delete_flag = 0 ".(isset($room_id) ? " or id = '{$room_id}' " : "")." order by
`name` asc ");

                        while($row = $qry->fetch_assoc()):

                        ?>

                            <option <?= $row['delete_flag'] == 1 ? "disabled" : "" ?> <?=
isset($room_id) && $room_id == $row['id'] ? "selected" : '' ?> value="<?=
$row['id'] ?>"><?= $row['name'] ?></option>

                        <?php endwhile; ?>

                    </select>

                </div>

            </div>

            <div class="row">
```

```
        <div class="form-group col-md-6">

            <label for="date_admitted" class="control-label">Adminission
Date</label>

            <input type="datetime-local" name="date_admitted"
id="date_admitted" class="form-control form-control-border" value="<?=
isset($date_admitted) ? date("Y-m-d\TH:i",strtotime($date_admitted)) : "" ?>"
required>

        </div>

        <div class="form-group col-md-6">

            <label for="date_discharged" class="control-label">Date
Discharged</label>

            <input type="datetime-local" name="date_discharged"
id="date_discharged" class="form-control form-control-border" value="<?=
isset($date_discharged) && strtotime($date_discharged) > 0 ? date("Y-m-d
H:i",strtotime($date_discharged)) : "" ?>">

        </div>

    </div> </div>

  </form>

</div>

<script>

  $(function(){

    $('#uni_modal').on('shown.bs.modal',function(){

      console.log('test')

      $(".select2").select2({

        placeholder:"Please Select Here",

        width:'100%',

        dropdownParent:$('#uni_modal')

      })

    })

    $('#uni_modal #patient-history-form').submit(function(e){
```

```javascript
e.preventDefault();
var _this = $(this)
$('.pop-msg').remove()
var el = $('<div>')
    el.addClass("pop-msg alert")
    el.hide()
start_loader();
$.ajax({
    url:base_url+"classes/Master.php?f=save_patient_admission",
                    data: new FormData($(this)[0]),
    cache: false,
    contentType: false,
    processData: false,
    method: 'POST',
    type: 'POST',
    dataType: 'json',
                    error:err=>{
                            console.log(err)
                            alert_toast("An error occured",'error');
                            end_loader();
                    },
    success:function(resp){
        if(resp.status == 'success'){
            location.reload();
        }else if(!!resp.msg){
            el.addClass("alert-danger")
            el.text(resp.msg)
```

```
                    _this.prepend(el)

                }else{

                    el.addClass("alert-danger")

                    el.text("An error occurred due to unknown reason.")

                    _this.prepend(el)

                }

                el.show('slow')

                $('html,body,.modal').animate({scrollTop:0},'fast')

                end_loader();

            }

        })

    })

})
</script>
```

VIEW PATIENT:

```php
<?php
if(isset($_GET['id'])){
    $qry = $conn->query("SELECT * FROM `patient_list` where id =
'{$_GET['id']}'");
    if($qry->num_rows > 0){
        $res = $qry->fetch_array();
        foreach($res as $k => $v){
            if(!is_numeric($k))
                $$k = $v;
        }
```

```php
    $details = $conn->query("SELECT * FROM `patient_details` where
patient_id ='{$id}' ");

    while($row = $details->fetch_assoc()){

        ${$row['meta_field']} = $row['meta_value'];

    }

  }else{

    echo "<script> alert('Unknown Patient ID.'); location.href =
'./?page=patients';</script>";

  }

}else{

  echo "<script> alert('Patient ID is required.'); location.href =
'./?page=patients';</script>";

}


$doctors_arr = [];

$doctors_qry = $conn->query("SELECT * FROM `doctor_list` where id in
(SELECT doctor_id FROM `patient_history` where patient_id ='{$id}') ");

if($doctors_qry->num_rows > 0)

$doctors_arr = array_column($doctors_qry-
>fetch_all(MYSQLI_ASSOC),'fullname','id');


$room_arr = [];

$room_qry = $conn->query("SELECT * FROM `room_list` where id in
(SELECT room_id FROM `admission_history` where patient_id ='{$id}') ");

if($room_qry->num_rows > 0)

$room_arr = array_column($room_qry-
>fetch_all(MYSQLI_ASSOC),'name','id');

?>

<div class="content py-3">

  <div class="card card-teal card-outline shadow rounded-0">
```

```
    <div class="card-header rounded-0">

        <h3 class="card-title"><b><span class="text-muted">Patient
Code:</span> <span><?= isset($code) ? $code : "N/A" ?></span></b></h3>

    </div>

    <div class="card-body rounded-0">

        <div class="container-fluid">

            <fieldset>

                <div class="row">

                    <div class="col-4 border bg-gradient-primary text-
white">Patient Code</div>

                    <div class="col-8 border"><?= isset($code) ? $code : " ?></div>

                    <div class="col-4 border bg-gradient-primary text-
white">Patient Fullname</div>

                    <div class="col-8 border"><?= isset($fullname) ? $fullname : "
?></div>

                    <div class="col-3 border bg-gradient-primary text-
white">Gender</div>

                    <div class="col-3 border"><?= isset($gender) ? $gender : "
?></div>

                    <div class="col-3 border bg-gradient-primary text-
white">Birthday</div>

                    <div class="col-3 border"><?= isset($dob) ? date("M d, Y",
strtotime($dob)) : " ?></div>

                    <div class="col-3 border bg-gradient-primary text-
white">Address</div>

                    <div class="col-9 border"><?= isset($address) ? $address : "
?></div>

                </div>

            </fieldset>

            <div class="row">

                <div class="col-md-6">
```

```
                <div class="col-md-6">
```

```html
<fieldset>
    <legend class="text-primary border-bottom">History</legend>
    <div class="col-12 text-right">
        <button class="btn btn-primary btn-sm btn-flat" type="button" id="add_history"><i class="fa fa-plus"></i> Add Record</button>
    </div>
    <table class="table table-striped table-bordered">
        <colgroup>
            <col width="20%">
            <col width="35%">
            <col width="25%">
            <col width="20%">
        </colgroup>
        <thead>
            <tr class="bg-gradient-dark">
                <th class="px-2 py-1">Date</th>
                <th class="px-2 py-1">Diagnosis</th>
                <th class="px-2 py-1">Doctor</th>
                <th class="px-2 py-1"></th>
            </tr>
        </thead>
        <tbody>
            <?php
                $history = $conn->query("SELECT * FROM `patient_history` where patient_id = '{$id}' order by unix_timestamp(date_created) asc");
                while($row = $history->fetch_assoc()):
```

```
                    ?>
                    <tr>
                        <td class="px-2 py-1"><?= date("Y-m-
d",strtotime($row['date_created'])) ?></td>
                        <td class="px-2 py-1"><p class="m-0 truncate-1"><?=
$row['diagnosis'] ?></p></td>
                        <td class="px-2 py-1"><p class="m-0 truncate-1"><?=
isset($doctors_arr[$row['doctor_id']]) ? $doctors_arr[$row['doctor_id']] : "N/A"
?></p></td>
                        <td class='px-2 py-1 text-center'><a
href="javascript:void(0)" data-id='<?= $row['id'] ?>' class="view_history text-
dark"><i class="fa fa-eye text-dark"></i> View</a></td>
                    </tr>
                    <?php endwhile; ?>
                </tbody>
            </table>
        </fieldset>
    </div>
    <div class="col-md-6">
    <fieldset>
        <legend class="text-primary border-bottom">Admission
History</legend>
        <div class="col-12 text-right">
            <button class="btn btn-primary btn-sm btn-flat"
type="button" id="add_admission"><i class="fa fa-plus"></i> Add
Record</button>
        </div>
        <table class="table table-striped table-bordered">
            <colgroup>
                <col width="20%">
```

```php
            <col width="35%">
            <col width="25%">
            <col width="20%">
         </colgroup>
         <thead>
           <tr class="bg-gradient-dark">
              <th class="px-2 py-1">Admission Date</th>
              <th class="px-2 py-1">Room ID</th>
              <th class="px-2 py-1">Date Discharge</th>
              <th class="px-2 py-1"></th>
           </tr>
         </thead>
         <tbody>
           <?php
              $admission = $conn->query("SELECT * FROM
`admission_history` where patient_id = '{$id}' order by
unix_timestamp(date_created) asc");
                 while($row = $admission->fetch_assoc()):
              ?>
              <tr>
                 <td class="px-2 py-1"><?= date("Y-m-
d",strtotime($row['date_admitted'])) ?></td>
                 <td class="px-2 py-1"><p class="m-0 truncate-1"><?=
isset($room_arr[$row['room_id']]) ? $room_arr[$row['room_id']] : "N/A"
?></p></td>
                 <td class="px-2 py-1"><?=
isset($row['date_discharged']) && strtotime($row['date_discharged']) > 0 ?
date("Y-m-d",strtotime($row['date_discharged'])) : "N/A" ?></td>
```

```
                                    <td class='px-2 py-1 text-center'><a
href="javascript:void(0)" data-id='<?= $row['id'] ?>' class="view_admission
text-dark"><i class="fa fa-eye text-dark"></i> View</a></td>
                        </tr>
                        <?php endwhile; ?>
                    </tbody></table>
                </fieldset>
            </div>
        </div>
    </div>
</div>
<script>
    $(function(){
        $('#add_history').click(function(){
            uni_modal("Add New Record","patients/manage_history.php?pid=<?=
isset($id) ? $id : '' ?>",'mid-large')
        })
        $('#add_admission').click(function(){
            uni_modal("Add New
Admission","patients/manage_admission.php?pid=<?= isset($id) ? $id : ''
?>",'mid-large')
        })
        $('.view_history').click(function(){
            uni_modal("Record
Details","patients/view_history.php?id="+$(this).attr('data-id'),'mid-large')
        })
        $('.view_admission').click(function(){
```

```
        uni_modal("Admission
Details","patients/view_admission.php?id="+$(this).attr('data-id'))
    })
  })
</script>
```

USER:

```php
<?php
$user = $conn->query("SELECT * FROM users where id ="'".$_settings-
>userdata('id')."'");
foreach($user->fetch_array() as $k =>$v){
     $meta[$k] = $v;
}
?>
<?php if($_settings->chk_flashdata('success')): ?>
<script>
     alert_toast("<?php echo $_settings->flashdata('success') ?>",'success')
</script>
<?php endif;?>
<div class="card card-outline card-primary">
     <div class="card-body">
          <div class="container-fluid">
               <div id="msg"></div>
               <form action="" id="manage-user">
                    <input type="hidden" name="id" value="<?php echo
$_settings->userdata('id') ?>">
                    <div class="form-group">
```

```
                                        <label for="name">First Name</label>

                                        <input type="text" name="firstname"
id="firstname" class="form-control" value="<?php echo
isset($meta['firstname']) ? $meta['firstname']: '' ?>" required>

                              </div>

                              <div class="form-group">

                                        <label for="name">Last Name</label>

                                        <input type="text" name="lastname"
id="lastname" class="form-control" value="<?php echo isset($meta['lastname'])
? $meta['lastname']: '' ?>" required>

                              </div>

                              <div class="form-group">

                                        <label for="username">Username</label>

                                        <input type="text" name="username"
id="username" class="form-control" value="<?php echo
isset($meta['username']) ? $meta['username']: '' ?>" required
autocomplete="off">

                              </div>

                              <div class="form-group">

                                        <label for="password">Password</label>

                                        <input type="password" name="password"
id="password" class="form-control" value="" autocomplete="off">

                                        <small><i>Leave this blank if you dont want to
change the password.</i></small>

                              </div>

                              <div class="form-group">

                                        <label for="" class="control-
label">Avatar</label>

                                        <div class="custom-file">

                              <input type="file" class="custom-file-input rounded-
circle" id="customFile" name="img" onchange="displayImg(this,$(this))">
```

```html
                              <label class="custom-file-label"
for="customFile">Choose file</label>
                    </div>
                        </div>
                        <div class="form-group d-flex justify-content-
center">
                            <img src="<?php echo
validate_image(isset($meta['avatar']) ? $meta['avatar'] :'') ?>" alt="" id="cimg"
class="img-fluid img-thumbnail">
                        </div>
                    </form>
            </div>
        </div>
        <div class="card-footer">
                    <div class="col-md-12">
                        <div class="row">
                                <button class="btn btn-sm btn-primary"
form="manage-user">Update</button>
                        </div></div>
            </div>
</div>
<style>
    img#cimg{
            height: 15vh;
            width: 15vh;
            object-fit: cover;
            border-radius: 100% 100%;
    }
</style>
```

```
<script>
     function displayImg(input,_this) {
        if (input.files && input.files[0]) {
           var reader = new FileReader();
           reader.onload = function (e) {
             $('#cimg').attr('src', e.target.result);
           }


           reader.readAsDataURL(input.files[0]);
        }
     }
     $('#manage-user').submit(function(e){
           e.preventDefault();
var _this = $(this)
           start_loader()
           $.ajax({
                 url:base_url+'classes/Users.php?f=save',
                 data: new FormData($(this)[0]),
              cache: false,
              contentType: false,
              processData: false,
              method: 'POST',
              type: 'POST',
                 success:function(resp){
                       if(resp ==1){
                             location.reload()
                       }else{
```

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```
                              $('#msg').html('<div class="alert alert-
danger">Username already exist</div>')

                         end_loader()}})

            })

</script>
```

LOGIN:

```
<?php require_once('../config.php') ?>
<!DOCTYPE html>
<html lang="en" class="" style="height: auto;">
 <?php require_once('inc/header.php') ?>
<body class="hold-transition ">
 <script>
   start_loader()
 </script>
 <style>
  html, body{
   height:calc(100%) !important;
   width:calc(100%) !important;
  }
  body{
   background-image: url("<?php echo validate_image($_settings-
>info('cover')) ?>");
   background-size:cover;
   background-repeat:no-repeat;
  }
  .login-title{
```

```
    text-shadow: 2px 2px black
  }
  #login{
   flex-direction:column !important
  }
  #logo-img{
    height:150px;
    width:150px;
    object-fit:scale-down;
    object-position:center center;
    border-radius:100%;
  }
  #login .col-7,#login .col-5{
   width: 100% !important;
   max-width:unset !important
  }
 </style>
 <div class="h-100 d-flex align-items-center w-100" id="login">
  <div class="col-7 h-100 d-flex align-items-center justify-content-center">
   <div class="w-100">
    <center><img src="<?= validate_image($_settings->info('logo')) ?>"
alt="" id="logo-img"></center>
    <h1 class="text-center py-5 login-title"><b><?php echo $_settings-
>info('name') ?> - Admin</b></h1>
   </div>


  </div>
  <div class="col-5 h-100 bg-gradient">
```

```html
    <div class="d-flex w-100 h-100 justify-content-center align-items-center">
     <div class="card col-sm-12 col-md-6 col-lg-3 card-outline card-teal rounded-0 shadow">
      <div class="card-header rounded-0">
       <h4 class="text-purle text-center"><b>Login</b></h4>
      </div>
      <div class="card-body rounded-0">
       <form id="login-frm" action="" method="post">
        <div class="input-group mb-3">
         <input type="text" class="form-control" autofocus name="username" placeholder="Username">
          <div class="input-group-append">
           <div class="input-group-text">
            <span class="fas fa-user"></span>
           </div>
          </div>
        </div>
        <div class="input-group mb-3">
         <input type="password" class="form-control" name="password" placeholder="Password">
          <div class="input-group-append">
           <div class="input-group-text">
            <span class="fas fa-lock"></span>
           </div>
          </div>
        </div>
        <div class="row">
         <div class="col-8">
```

```html
            <!-- <a href="<?php echo base_url ?>">Go to Website</a> -->
          </div>
          <!-- /.col -->
          <div class="col-4">
            <button type="submit" class="btn btn-primary btn-block btn-flat">Sign In</button>
          </div>
          <!-- /.col -->
        </div>
      </form>
    </div>
  </div>
  </div>
 </div>
<!-- jQuery -->
<script src="plugins/jquery/jquery.min.js"></script>
<!-- Bootstrap 4 -->
<script src="plugins/bootstrap/js/bootstrap.bundle.min.js"></script>
<!-- AdminLTE App -->
<script src="dist/js/adminlte.min.js"></script>
<script>
  $(document).ready(function(){
    end_loader();
  })
</script>
</body>
</html>
```