

Chapter 1.

INTRODUCTION

Visitor management system is the system that manages the Visitors, Students and other traffic which is maintained more efficiently.

The current solution is Paper logs, in which a visitor writes his or her name, ID and purpose of visit.

If we have the proper log of the people entering the college, whether be it a student or a faculty or non-teaching staff or a visitor, it would increase the security of the campus. And in case of emergency we will have the details of the people who entered the campus and who are still in campus.

Given below are some reasons why schools and colleges need to upgrade to a visitor management system:

1. Ineffectiveness of using manual logs
2. Managing Visitor Traffic: No single entry channel allotted for visitors
3. Pre – registering of people related to the organization, eg. Students, teachers etc.
4. Restricted access options

Chapter 2.

2.1 SYSTEM REQUIREMENTS

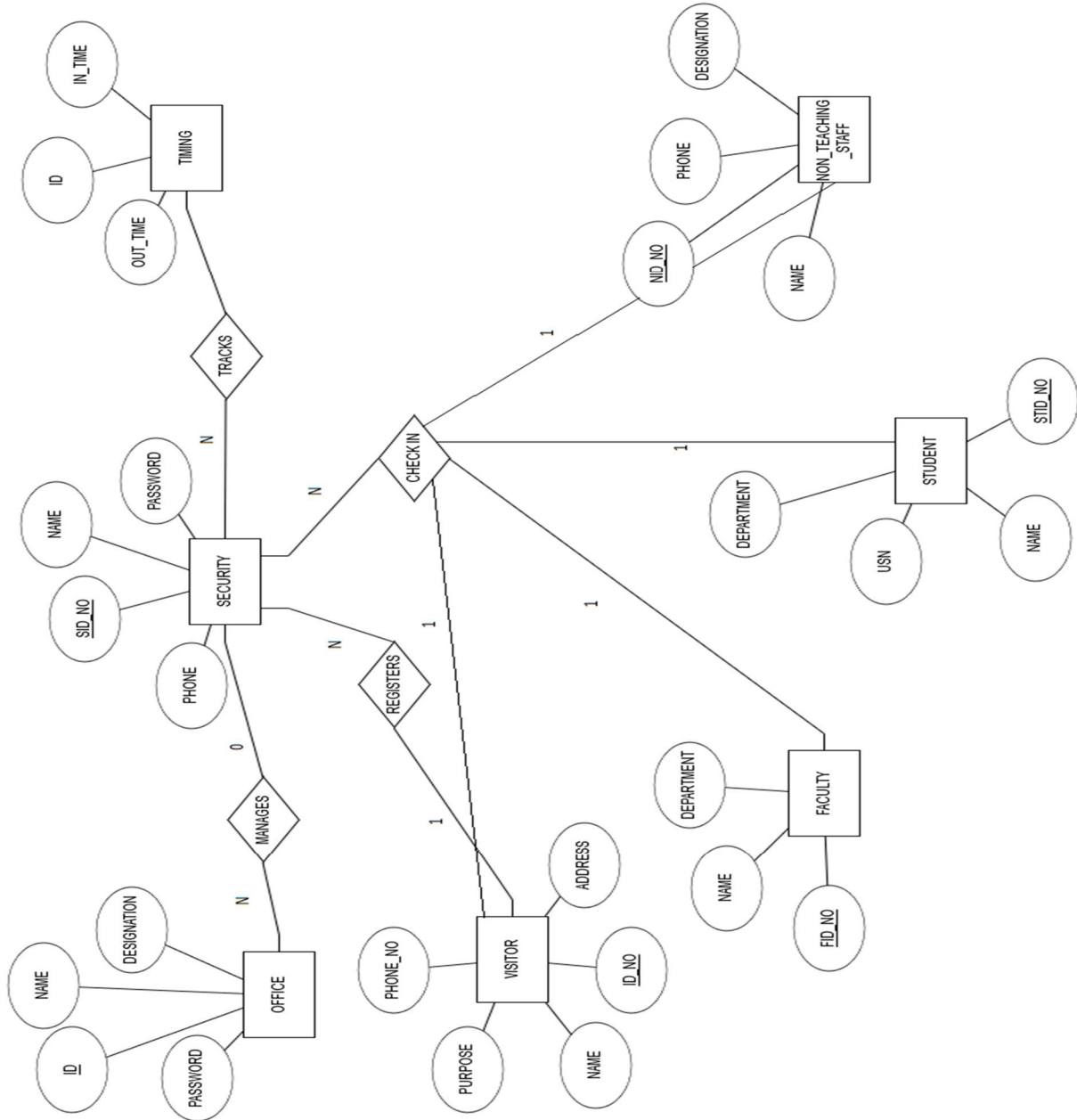
1. Intel i3 processor
2. 1.9Ghz
3. 4GB ram
4. Hard disk 1TB

2.2 SOFTWARE CONFIGURATION

1. Operating system: ubuntu
2. Front end: HTLM and CSS
3. Backend: PHP, MYSQL
4. Text editor: sublime text 3

Chapter 3

3.1 ER DIAGRAM



3.2 SCHEMA DIAGRAM

OFFICE

<u>ID_no</u>	username	Designation	Password
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SECURITY

<u>ID_no</u>	Name	Password	Phone no
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VISITOR

<u>ID_no</u>	Name	Purpose	Phone_no	Address	IN_time	OUT_time	S.I.N.
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STUDENT

<u>ID_no</u>	Name	USN	Department	IN_time	OUT_time	S.I.N.
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FACULTY

<u>ID_no</u>	Name	Department	In_time	Out_time	S.I.N.
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NON-TEACHING STAFF

<u>ID_no</u>	Name	Phone_no	Designation	IN_time	Out_time	S.I.N.
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TIMING

ID	IN_TIME	OUT_TIME
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Chapter 4

4.1 IMPLIMENTATION

TABLES

SECURITY

Field	Type	Key
SID_NO	INT(5)	PRI
NAME	VARCHAR(50)	
PHONE	INT(11)	
PASSWORD	VARCHAR(20)	

OFFICE

Field	Type	Key
ID	INT(11)	PRI
NAME	VARCHAR(40)	
DESIGNATION	VARCHAR(30)	
PASSWORD	VARCHAR(30)	

STUDENT

FIELD	TYPE	KEY
STID_NO	INT(5)	PRI
NAME	VARCHAR(50)	
USN	VARCHAR(12)	
DEPARTMENT	VARCHAR(50)	

FACULTY

FIELD	TYPE	KEY
FID_NO	INT(5)	PRI
NAME	VARCHAR(50)	
DEPARTMENT	VARCHAR(50)	

Visitor Management

VISITOR

FIELD	TYPE	KEY
NAME	VARCHAR(40)	PRI
ID_NO	INT(11)	
PHONE_NO	INT(11)	
ADDRESS	TEXT	
PURPOSE	VARCHAR(30)	
ID	INT(11)	MUL

NON_TEACHING_STAFF

FIELD	TYPE	KEY
NID_NO	INT(11)	PRI
NAME	VARCHAR(50)	
PHONE	INT(10)	
DESIGNATION	VARCHAR(50)	

TIMING

FIELD	TYPE	KEY
ID	INT(11)	
IN_TIME	DATETIME	
OUT_TIME	DATETIME	

Triggers

Trigger	Event	Table	Statement	Timing	Created	sql_mode	Definer
OUT_TIME	UPDATE	time	BEGIN IF NEW.id=NEW.id THEN	BEFORE	2017-11-23 14:30:38.98	ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_...	root@localhost

Trigger created on TIMING table: ON (OUT_TIME) Before Update.

4.2 SECURITY AND OFFICE LOGIN

CODE:

```
File Edit Selection Find View Goto Tools Project Preferences Help
index.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="UTF-8">
5 <title>WELCOME TO CMRIT</title>
6 <link rel="stylesheet" href="css/style.css">
7 </head>
8
9 <body>
10 <div class="bodydiv">
11 <form name="Login" action="http://localhost/project/auth.php" method="post">
12 <header>Login</header>
13 <label>ID Number </label>
14 <input type="Number" name="ID" min="1" max="99999" required="" />
15
16 <label>Password</label>
17 <input type="Password" name="PASSWORD" required="" />
18
19
20 <div class="drop"> <select name="department">
21 <option value="OFFICE">OFFICE</option>
22 <option value="SECURITY">SECURITY</option>
23 </select>
24 <button input type="submit" name="login">LOGIN</button>
25 </form>
26 </div>
27
28 </div>
29
30 <ul>
31 <li><a href="#contact">Contact</a></li>
32 <li><a href="http://localhost/project/about.php">About</a></li>
33 </ul>
34 </body>
35
```

Fig. 3.1

Visitor Management

OVERVIEW:

Contact About

Login

ID Number

Password

OFFICE

LOGIN

Fig. 3.1.1

SECURITY HOME PAGE

CODE:

```
File Edit Selection Find View Goto Tools Project Preferences Help
new.php x
1 <?php
2 session_start();
3 if(isset($_SESSION['userid'])==false)
4 {
5     header("location:/project/index.html");
6 }
7 }
8
9
10 <!DOCTYPE html>
11 <html>
12 <head>
13     <title>Visitor Registration Form</title>
14 </head>
15 <style>
16
17 /* Full-width input fields */
18 input[type=text], input[type=password], input[type=number], input[type=tel]{
19     width: 100%;
20     padding: 12px 20px;
21     margin: 8px 0;
22     display: inline-block;
23     border: 1px solid #ccc;
24     box-sizing: border-box;
25     border-radius: 10px;
26 }
27
28
29
30 /* Set a style for all buttons */
31 button {
32     background-color: #4CAF50;
33
34     color: white;
35     padding: 14px 20px;
36     font-size: 20px;
37     margin: 4px 20px;
38     border: none;
39     cursor: pointer;
40     border-radius: 10px;
41     width: 28%;
42     box-shadow: 0px 0px 0px rgba(0, 0, 0, 7);
43 }
44
45 body {
46     background-color: #f2f2f2;
47 }
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```

OVERVIEW

[Contact](#)
[About](#)

23-11-2017 || 13:35:29

[MY PROFILE](#)
[Log Out](#)

Visitor Registration Form

Name

Address

Id No.

Phone

Purpose

[Store Details](#)

Check in .!

ID number

[Enter](#)

Fig. 3.2.1

SECURITY PROFILE

Visitor Management

CODE:

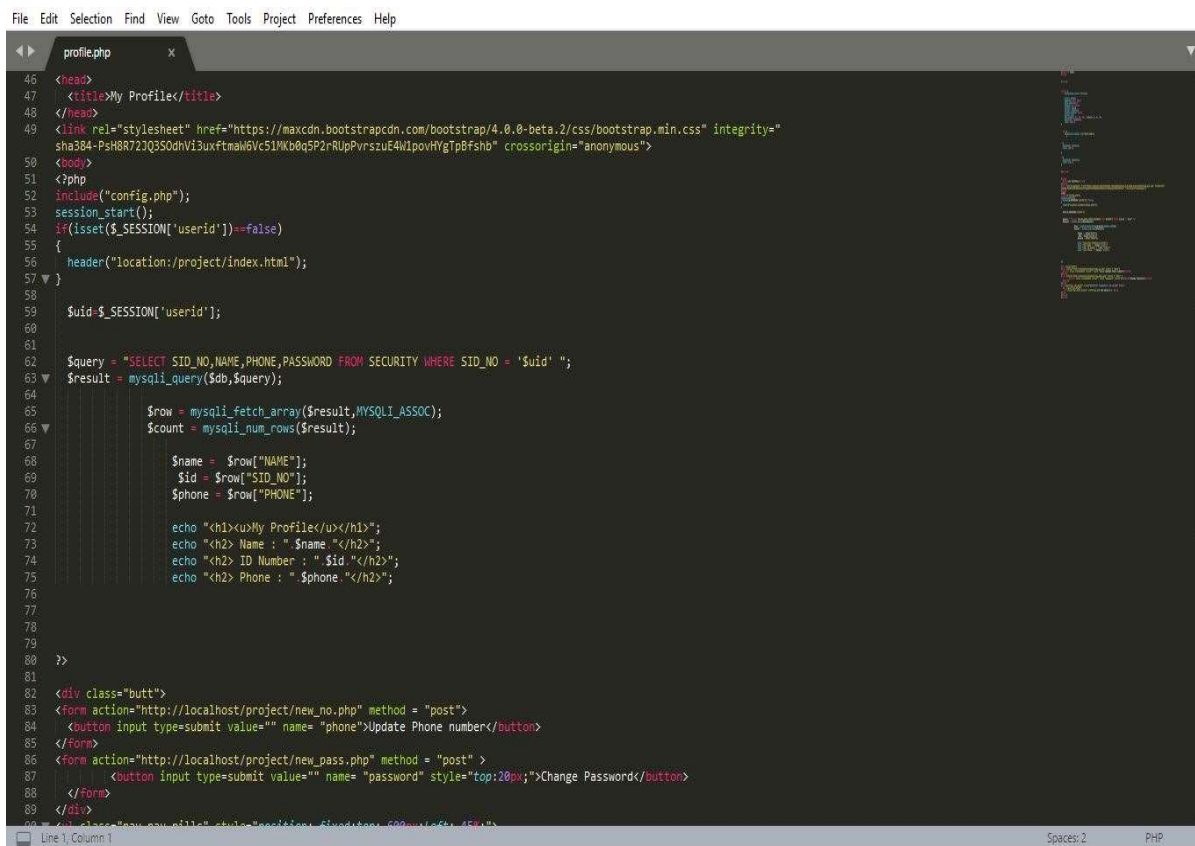


Fig. 3.3

Overview

Visitor Management

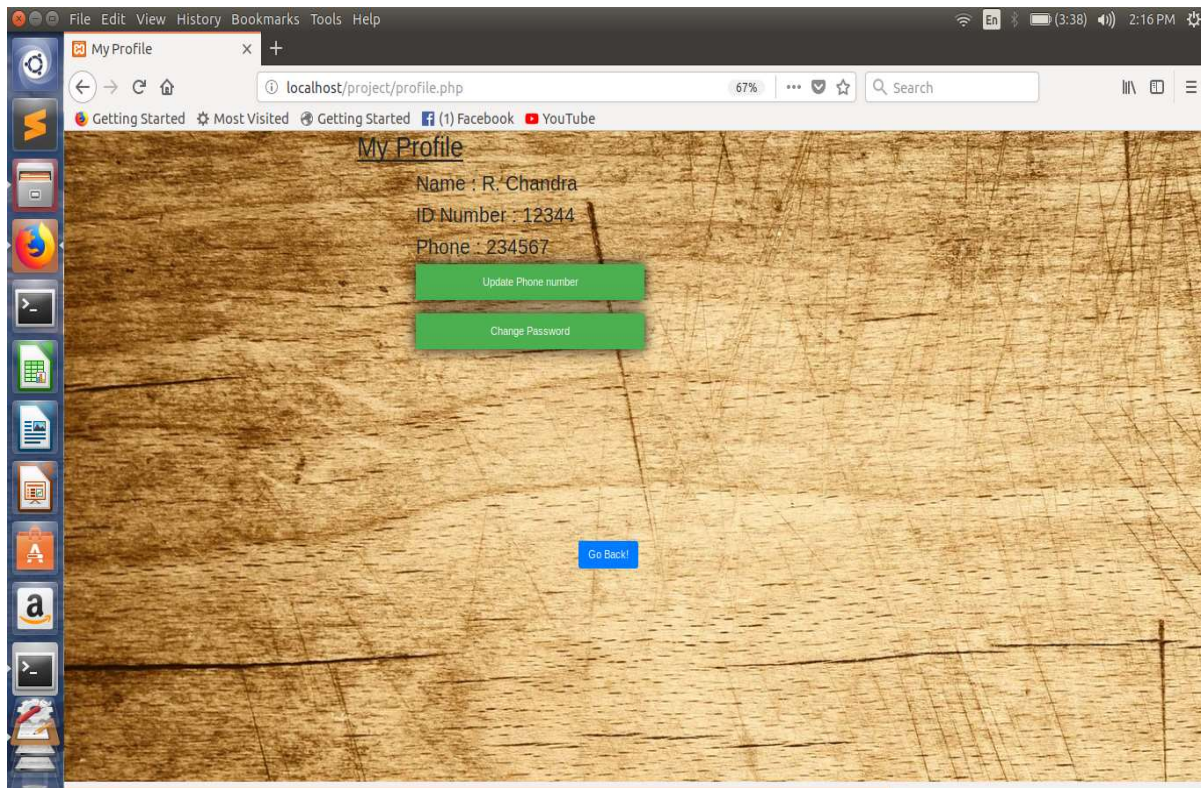


Fig. 3.3.1

VISITOR REGISTRATION:

Visitor Management

```
File Edit Selection Find View Goto Tools Project Preferences Help
visitorReg.php x
1 <?php
2 include_once 'config.php';
3 session_start();
4 if(isset($_SESSION['userid'])==false)
5 {
6     header("location:/project/index.html");
7 }
8 if(isset($_POST['store']))
9 {
10     $sid = $_SESSION['userid'];
11     $name = $_POST['NAME'];
12     $id = $_POST['ID_NO'];
13     $phone = $_POST['PHONE_NO'];
14     $address = $_POST['ADDRESS'];
15     $purpose = $_POST['PURPOSE'];
16     $statement = "INSERT INTO VISITOR VALUES ('$name','$id','$phone','$address','$purpose','$sid')";
17     $result = mysqli_query($db,$statement);
18     if ($result)
19     {
20         $query = "INSERT INTO TIMING(ID,IN_TIME) VALUES ('$id',SYSDATE()) ";
21         $result1 = mysqli_query($db,$query);
22         if($result1){
23             header("location:/project/data_enter.html");
24         }
25     }
26     else
27     {
28         //echo "ERROR OCCURED".mysqli_error();
29     }
30
31
32
33
34
```

Fig. 3.4

CHECK IN :

Visitor Management

FOR COLLEGE MEMBERS AND VISITORS:

```

File Edit Selection Find View Goto Tools Project Preferences Help
query.php
1 <?php
2 include ("config.php");
3 if(! $db ) {
4     die("Could not connect: " . mysqli_connect_error());
5 }
6 $id = $_POST['ID'];
7 $statement = "SELECT * FROM FACULTY,TIMING WHERE FACULTY.FID_NO = '$id'and TIMING.ID='$id' " ;
8 $statement1 = "SELECT * FROM NON_TEACHING_STAFF,TIMING WHERE NON_TEACHING_STAFF.NID_NO = '$id' and TIMING.ID='$id'";
9 $statement2 = "SELECT * FROM STUDENT,TIMING WHERE STUDENT.STID_NO = '$id' AND TIMING.ID='$id'";
10 $statement3 = "SELECT * FROM VISITOR,TIMING WHERE VISITOR.ID_NO = '$id'and TIMING.ID='$id' " ;
11 $stmt = "update time set id=$id where id='$id'";
12 $result = mysqli_query($db,$statement);
13 $result1 = mysqli_query($db,$statement1);
14 $result2 = mysqli_query($db,$statement2);
15 $result3 = mysqli_query($db,$statement3);
16 if((mysqli_num_rows($result)>0)|| (mysqli_num_rows($result1)>0)|| (mysqli_num_rows($result2) > 0)|| (mysqli_num_rows($result3) > 0))
17 {
18     $query = "UPDATE TIMING SET ID='$id' WHERE ID='$id'";
19     if($result3 = mysqli_query($db,$query)){
20         echo "OUT TIME INSERTED";
21         $query1 = "INSERT INTO LOG SELECT * FROM TIMING WHERE ID='$id'";
22         $result4 = mysqli_query($db,$query1);
23         $query2 = "DELETE FROM TIMING WHERE ID='$id'";
24         $result5 = mysqli_query($db,$query2);
25     }
26 }
27 else {
28     $query = "INSERT INTO TIMING(ID,IN_TIME) VALUES ('$id',SYSDATE())";
29     if($result = mysqli_query($db,$query)){
30         echo("In Time Inserted");
31     }
32 }
33

```

Fig. 3.5

OFFICE HOME PAGE:

Visitor Management

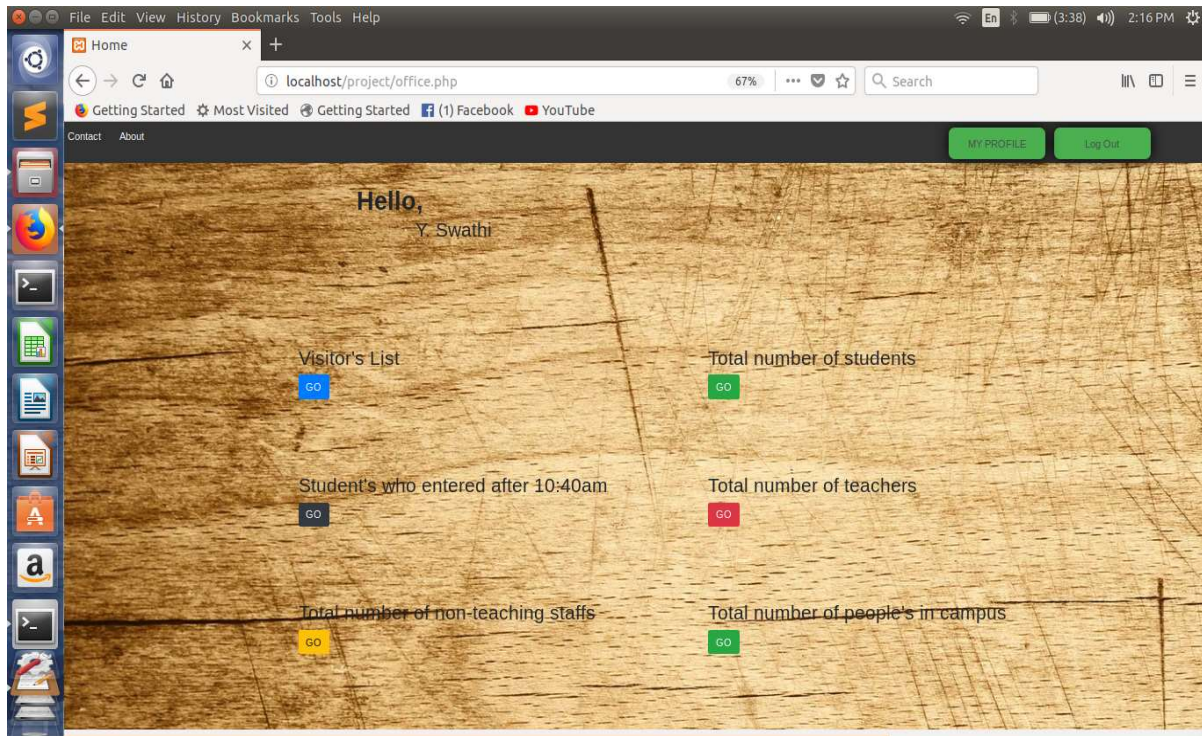
CODES:

```
File Edit Selection Find View Goto Tools Project Preferences Help
office.php x
1 <?php
2 error_reporting(0);
3 include 'config.php';
4 session_start();
5 if(isset($_SESSION['userid'])==false)
6 {
7     header("location:/project/index.html");
8 }
9 $id=$_SESSION['userid'];
10 $sql = "SELECT NAME FROM OFFICE WHERE ID='$id'";
11 $res=mysqli_query($db,$sql);
12 $row = mysqli_fetch_array($res,MYSQLI_ASSOC);
13 $name=$row["NAME"];
14 ?>
15
16
17 <!DOCTYPE html>
18 <html>
19 <style>
20
```

Fig. 3.6

Overview

Visitor Management



OFFICE QUERY:

Visitor Management

```
File Edit Selection Find View Goto Tools Project Preferences Help
office_query.php x
3 <?php
4 include 'config.php';
5 session_start();
6 if(isset($_SESSION['userid'])==false)
7 {
8     header("location:/project/index.html");
9 }
10 if(isset($_POST['find1']))
11 {
12     //myDate = date('m/d/Y');
13
14     $statement = "SELECT V.NAME,V.PURPOSE,T.IN_TIME FROM VISITOR V,TIMING T WHERE DATE(T.IN_TIME) =DATE(SYSDATE()) AND V.ID_NO =
15     T.ID";
16     $result = mysqli_query($db,$statement);
17     if($result)
18     { while($row = mysqli_fetch_array($result, MYSQLI_ASSOC))
19     {
20         $name = $row["NAME"];
21         $purpose = $row["PURPOSE"];
22         $time = $row["IN_TIME"];
23         echo "<table>";
24         echo "<tr>";
25         echo "<td><h3>NAME:". $name."</h3></td>";
26         echo "</tr>";
27         echo "<tr>";
28         echo "<td><h3>PURPOSE:". $purpose."</h3></td>";
29         echo "</tr>";
30         echo "<tr>";
31         echo "<td><h3>TIME:". $time."</h3></td>";
32         echo "</tr>";
33         echo "</table>";
34     }
35 }
```

Fig. 3.7.1

```
File Edit Selection Find View Goto Tools Project Preferences Help
office_query.php x
35 }
36 }
37 if(isset($_POST['find2']))
38 {
39     $statement = "SELECT NAME FROM STUDENT , TIMING WHERE STUDENT.STID_NO=TIMING.ID AND TIME(IN_TIME)>'10:40:00' AND DATE(IN_TIME)
40     =DATE(SYSDATE())";
41     $result = mysqli_query($db,$statement);
42     if($result)
43     {
44         echo "<h2> Students who came college after 10:40 am </h2>";
45         while($row = mysqli_fetch_array($result, MYSQLI_ASSOC))
46         {
47             $name = $row["NAME"];
48             echo "<h4>". $name."</h4>";
49             echo "";
50         }
51     }
52 }
53 }
54 if(isset($_POST['find3']))
55 {
56     $statement = "SELECT count(NAME) FROM STUDENT , TIMING WHERE STUDENT.STID_NO=TIMING.ID AND DATE(IN_TIME)= DATE(SYSDATE())";
57     $result = mysqli_query($db,$statement);
58     if($result)
59     {
60         while($row = mysqli_fetch_array($result, MYSQLI_ASSOC))
61         {
62             $count = $row["count(NAME)"];
63             echo "Total number of students in college";
64             echo "<h3>". $count."</h3>";
65             echo "<br>";
66         }
67     }
```

Fig. 3.7.2

Visitor Management

```
File Edit Selection Find View Goto Tools Project Preferences Help
office_query.php x
73 if(isset($_POST['find4']))
74 {
75
76     $statement = "SELECT count(NAME) FROM FACULTY , TIMING WHERE FACULTY.FID_NO=TIMING.ID AND DATE(IN_TIME)= DATE(SYSDATE())";
77     $result = mysqli_query($db,$statement);
78     if($result)
79     {
80         while($row = mysqli_fetch_array($result, MYSQLI_ASSOC))
81         {
82             $count = $row["count(NAME)"];
83             echo "Total number of Teachers in college";
84             echo "<h3>" $count."</h3>";
85             echo "<br>";
86         }
87     }
88
89 }
90
91 if(isset($_POST['find5']))
92 {
93
94     $statement = "SELECT count(NAME) FROM NON_TEACHING_STAFF , TIMING WHERE NON_TEACHING_STAFF.NID_NO=TIMING.ID AND DATE(IN_TIME)
95     = DATE(SYSDATE())";
96     $result = mysqli_query($db,$statement);
97     if($result)
98     {
99         while($row = mysqli_fetch_array($result, MYSQLI_ASSOC))
100         {
101             $count = $row["count(NAME)"];
102             echo "Total number of Non teaching staffs in college";
103             echo "<h3>" $count."</h3>";
104             echo "<br>";
105         }
106     }
107
108 }
109
110 if(isset($_POST['find6']))
111 {
112
113     $statement = "SELECT COUNT(ID) FROM TIMING WHERE DATE(IN_TIME)=DATE(SYSDATE())";
114     $result = mysqli_query($db,$statement);
115     if($result)
116     {
117         while($row = mysqli_fetch_array($result, MYSQLI_ASSOC))
118         {
119             $count = $row["COUNT(ID)"];
120             echo "Total number of peoples's in college";
121             echo "<h3>" $count."</h3>";
122             echo "<br>";
123         }
124     }
125
126 }
127
128 }
129
130 }
131 ?>
132 </body>
133 </html>
```

Fig. 3.7.2

```
File Edit Selection Find View Goto Tools Project Preferences Help
office_query.php x
102     echo "Total number of Non teaching staffs in college";
103     echo "<h3>" $count."</h3>";
104     echo "<br>";
105 }
106 }
107
108 }
109
110 if(isset($_POST['find6']))
111 {
112
113     $statement = "SELECT COUNT(ID) FROM TIMING WHERE DATE(IN_TIME)=DATE(SYSDATE())";
114     $result = mysqli_query($db,$statement);
115     if($result)
116     {
117         while($row = mysqli_fetch_array($result, MYSQLI_ASSOC))
118         {
119             $count = $row["COUNT(ID)"];
120             echo "Total number of peoples's in college";
121             echo "<h3>" $count."</h3>";
122             echo "<br>";
123         }
124     }
125
126 }
127
128 }
129
130 }
131 ?>
132 </body>
133 </html>
```

Fig. 3.7.2

Visitor Management

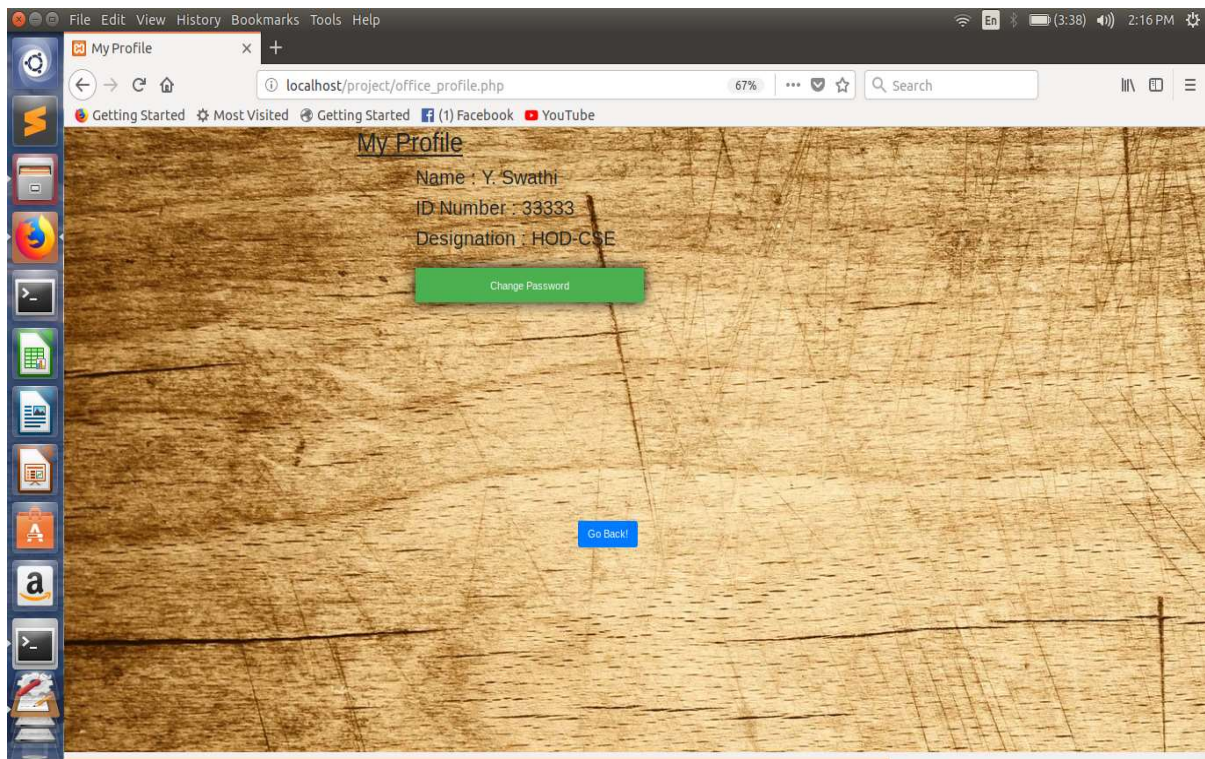
OFFICE PROFILE:

```
File Edit Selection Find View Goto Tools Project Preferences Help
office_profile.php
54 <?php
55 include "config.php";
56 session_start();
57 if(isset($_SESSION['userid'])==false)
58 {
59     header("location:/project/index.html");
60 }
61
62 $uid=$_SESSION['userid'];
63
64
65 $query = "SELECT ID,NAME,DESIGNATION,PASSWORD FROM OFFICE WHERE ID = '$uid' ";
66 $result = mysqli_query($db,$query);
67
68 $row = mysqli_fetch_array($result,MYSQLI_ASSOC);
69 $count = mysqli_num_rows($result);
70
71 $name = $row["NAME"];
72 $id = $row["ID"];
73 $desg = $row["DESIGNATION"];
74
75 echo "<h1><u>My Profile</u></h1>";
76 echo "<h2> Name : ".$name."</h2>";
77 echo "<h2> ID Number : ".$id."</h2>";
78 echo "<h2> Designation : ".$desg."</h2>";
79
80
81 <div class="butt">
82
83 <form action="http://localhost/project/office_pass.php" method = "post" >
84     <button input type=submit value="" name= "pass" style="top:20px;">Change Password</button>
85 </form>
86 </div>
87 <ul class="nav nav-pills" style="position: fixed;top: 600px;left: 45%;>
88 <li class="nav-item">
```

Fig. 3.8

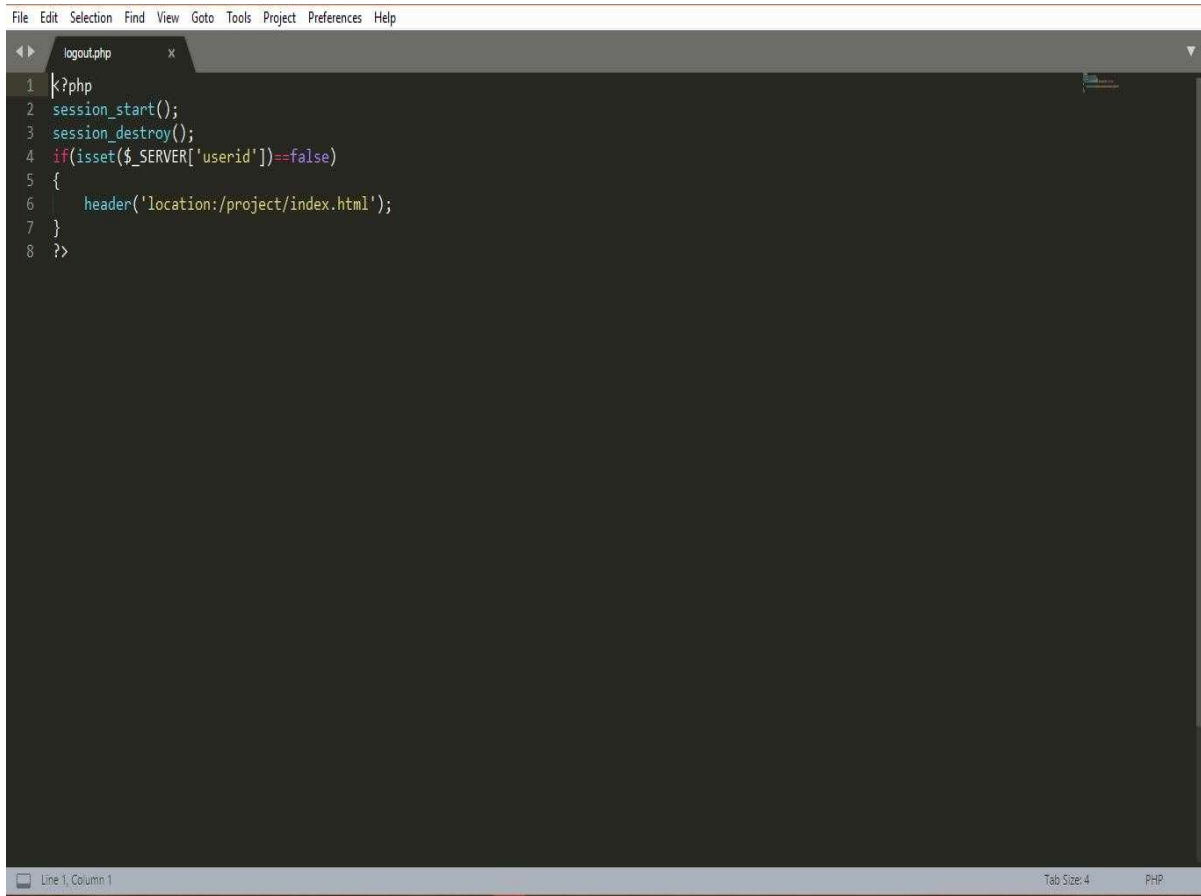
Visitor Management

Overview



Visitor Management

LOGOUT:



```
File Edit Selection Find View Goto Tools Project Preferences Help
logout.php x
1 <?php
2 session_start();
3 session_destroy();
4 if(isset($_SERVER['userid'])==false)
5 {
6     header('location:/project/index.html');
7 }
8 ?>
```

Line 1, Column 1 Tab Size: 4 PHP

Fig. 3.9