PROJECT REPORT

Employee Record Management System

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ABSTRACT

Employee Record Management System project used to manage the data of the employees personal details. This project will reduce the paper work of the company through this project company can manage all data online. This project will allow admin to add new employees, update employee details and delete employees.

CONTENTS

ABSTRACT

1. INTRODUCTION

1.1 OBJECTIVE

The objective of this project is to simplify the task of maintaining records of the employees of Company. To develop an well designed database to store employee information Provides full functional reports to management of Company Helps in maintaining the computerized employee details.

1.2 PROJECT DESCRIPTION

Employee Management System is a distributed application, developed to maintain the details of employees working in any organization. The objective of this project is to provide a comprehensive approach towards the management of employee information. The records are maintained in registers.

The users of this web application includes,

- Administrator

The administrator will be the authorized person to upload, update and remove details on their employees. This person is using particular userid and password for login.
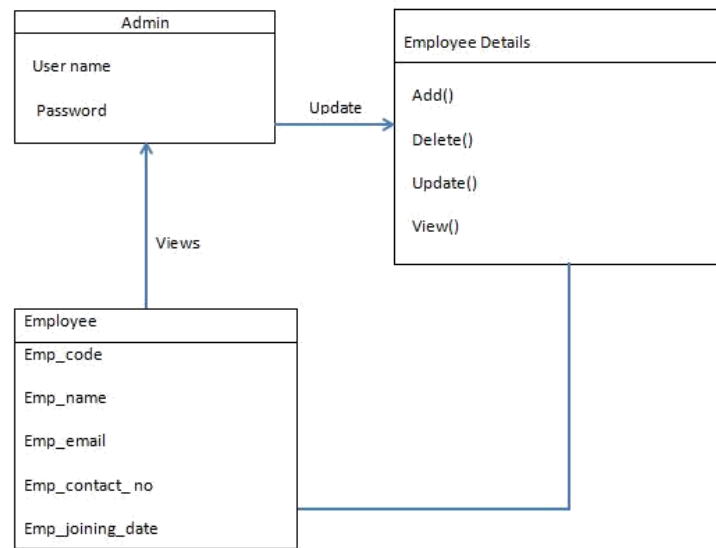
2. SYSTEM DESIGN

2.2 ER DIAGRAM

An Entity–relationship model (ER model) describes the structure of a database with the help of a diagram, which is known as Entity Relationship Diagram (ER Diagram). An ER model is a design or blueprint of a database.
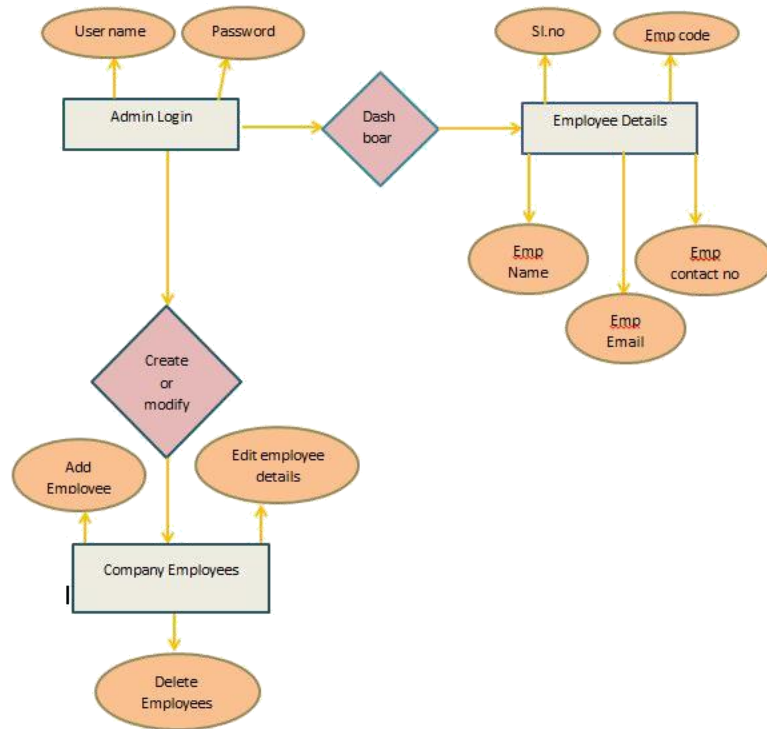
2.3 CLASS DIAGRAM

A class diagram is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations or methods, and the relationships among objects.

```
        Admin                        Employee Details
    ┌──────────────┐            ┌──────────────────────┐
    │ User name    │            │  Add()               │
    │              │  Update    │                      │
    │ Password     │ ─────────→ │  Delete()            │
    │              │            │                      │
    └──────────────┘            │  Update()            │
                                │                      │
                    Views       │  View()              │
                                └──────────────────────┘
        Employee
    ┌──────────────┐
    │ Emp_code     │
    │ Emp_name     │
    │ Emp_email    │
    │ Emp_contact_ no │
    │ Emp_joining_date │
    └──────────────┘
```

2.4 FLOW CHART

A flowchart is a diagram that describes a process or operation. It includes multiple steps, which the process "flows" through from start to finish. Common uses for flowcharts include developing business plans, defining troubleshooting steps, and designing mathematical algorithms.
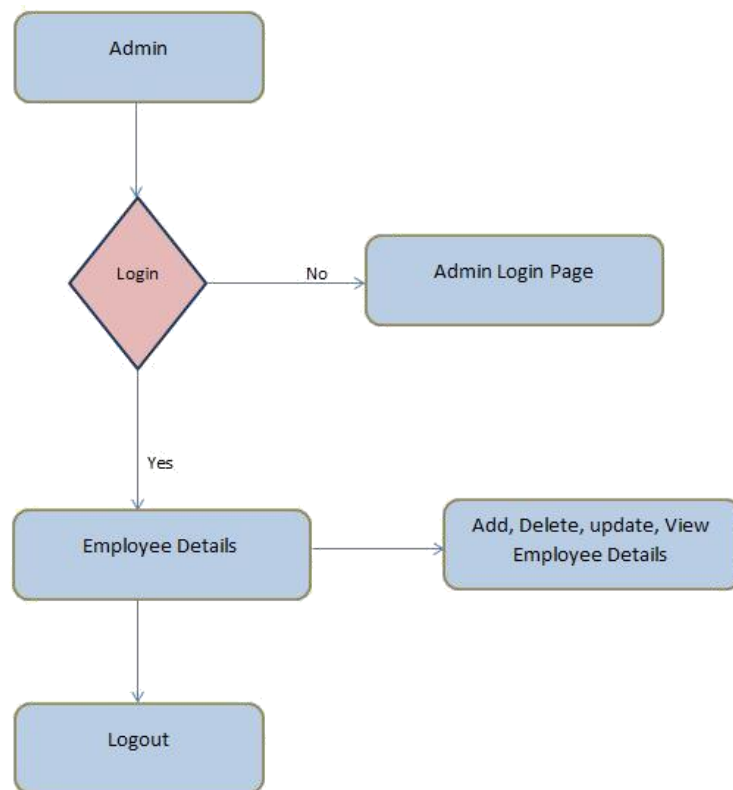
3. SYSTEM REQUIRMENTS

3.1 SOFTWARE REQUIREMENTS

Operating System: Windows 10

Front End   :   HTML, CSS, JavaScript, Bootstrap, Ajax

Back End   :   PHP, MySQL

Code Editor   :   Notepad++, Visual Studio Code

Software   :   XAMPP Server

Server   :   Apache Web

Browser   :   Google Chrome

3.2 HARDWARE REQUIREMENTS

RAM   :   4 GB

 Processor   :   1GHz or more

Hard Drive   :   1 TB hard disk

Network Connectivity   :   LAN or Wi-Fi

4. APPENDICES

3.1 DATABASE TABLES

1. TABLE-ADMIN

2. TABLE-EMPLOYEE_DETAILS

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	ID	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	EmpFname	varchar(50)	latin1_swedish_ci		Yes	NULL			Change Drop More
3	EmpLName	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
4	EmpCode	varchar(50)	latin1_swedish_ci		Yes	NULL			Change Drop More
5	EmpDept	varchar(120)	latin1_swedish_ci		Yes	NULL			Change Drop More
6	EmpDesignation	varchar(120)	latin1_swedish_ci		Yes	NULL			Change Drop More
7	EmpContactNo	bigint(10)			Yes	NULL			Change Drop More
8	EmpGender	enum('Male', 'Female')	latin1_swedish_ci		Yes	NULL			Change Drop More
9	EmpEmail	varchar(200)	latin1_swedish_ci		Yes	NULL			Change Drop More
10	EmpJoingdate	date			Yes	NULL			Change Drop More

Check all   With selected: Browse   Change   Drop   Primary   Unique   Index   Spatial   Fulltext

Add to central columns   Remove from central columns

3.1 SOURCE CODE

1. Welcome.php

```php
<?php
session_start();
include('includes/dbconnection.php');
if(strlen($_SESSION['aid']==0)){
  header('location:logout.php');
}
else {
?>
<!DOCTYPE html>
<html lang="en">

<head>

  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <meta name="description" content="">
  <meta name="author" content="">
```

```php
    <title>Welcome to Employee Rocord Management System </title>

    <!-- Custom fonts for this template-->
    <link href="../vendor/fontawesome-
free/css/all.min.css" rel="stylesheet" type="text/css">
    <link href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300
i,400,400i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">

    <!-- Custom styles for this template-->
    <link href="../css/sb-admin-2.min.css" rel="stylesheet">

</head>

<body id="page-top">

    <!-- Page Wrapper -->
    <div id="wrapper">

        <!-- Sidebar -->
        <?php include_once('includes/sidebar.php');?>
        <!-- End of Sidebar -->

        <!-- Content Wrapper -->
        <div id="content-wrapper" class="d-flex flex-column">

            <!-- Main Content -->
            <div id="content">

                <!-- Topbar -->
            <?php include_once('includes/header.php');?>
                <!-- End of Topbar -->

                <!-- Begin Page Content -->
                <div class="container-fluid">

                    <!-- Page Heading -->
                    <div class="d-sm-flex align-items-center justify-content-
between mb-4">
</body>
</html>
?>
```

2. index.php

```php
<?php
session_start();
include('includes/dbconnection.php');

if(isset($_POST['login']))
  {
    $uname=$_POST['username'];
    $Password=$_POST['Password'];
    $query=mysqli_query($con,"select ID from tbladmin where AdminuserName='$uname' && Password='$Password' ");
    $ret=mysqli_fetch_array($query);
    if($ret>0){
      $_SESSION['aid']=$ret['ID'];
      header('location:welcome.php');
    }
    Else
{
      echo "Invalid Details";
    }
  }
  ?>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="Employee Record management System in php and mysql">
  <meta name="description" content="Employee Record management System in php and mysql">
  <meta name="author" content="Sarita
  Pandey"> <title>ERMS Admin Login</title>
  <!-- Custom fonts for this template-->
  <link href="../vendor/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
  <link href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
  <!-- Custom styles for this template-->
  <link href="../css/sb-admin-2.min.css" rel="stylesheet">
</head>
<body class="bg-gradient-primary">

  <div class="container">
```

```html
        <h3 align="center" style="color: black; padding-
top: 2%">Employee Record Managment System</h3>

    <!-- Outer Row -->
    <div class="row justify-content-center">

        <div class="col-xl-10 col-lg-12 col-md-9">

            <div class="card o-hidden border-0 shadow-lg my-5">
                <div class="card-body p-0">
                    <!-- Nested Row within Card Body -->
                    <div class="row">
                        <div class="col-lg-6 d-none d-lg-block bg-login-
                        image"></div> <div class="col-lg-6">
                            <div class="p-5">
                                <div class="text-center">
                                    <h1 class="h4 text-gray-900 mb-4">Admin login!</h1>
                                </div>
                                <form class="user" method="post" action="">
                                    <div class="form-group">
                                        <input type="test" class="form-control form-
control-user" id="username" name="username" aria-
describedby="emailHelp" required="true" placeholder="Enter username
                                        ..."> </div>
                                        <div class="form-group">
                                            <input type="password" class="form-control form-control-
user" id="Password" name="Password" placeholder="Password" required="true">
                                        </div>



                                        <p> <input type="submit" class="btn btn-primary btn-user btn-
block" name="login" value="login"></p>

                                        <hr>

                                </form>
                                <hr>
</body>

</html>
```
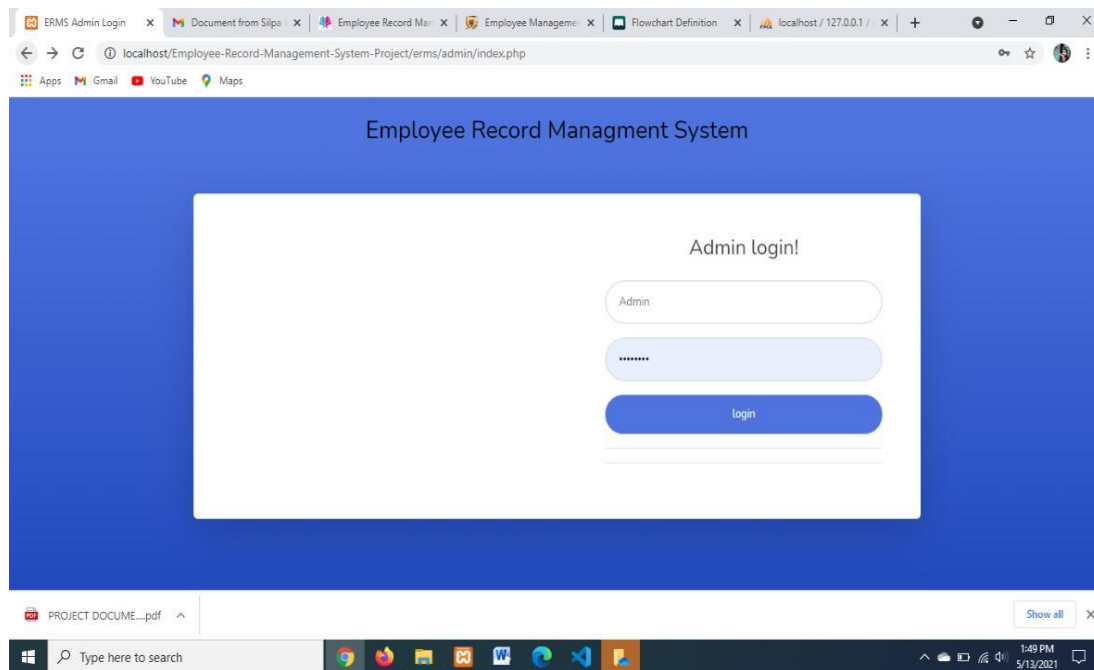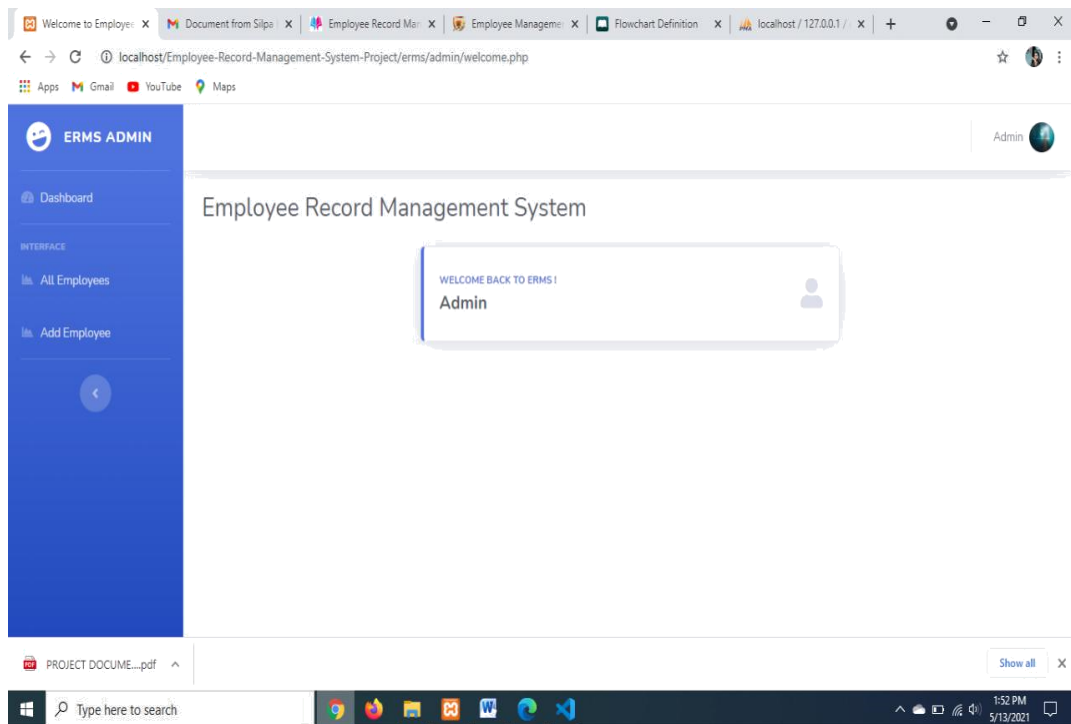
3. connection.php

```php
<?php
$con=mysqli_connect("Localhost", "root", "",
"ermsdb"); if(mysqli_connect_errno()){
echo "Connection Fail".mysqli_connect_error();
}
  ?>
```
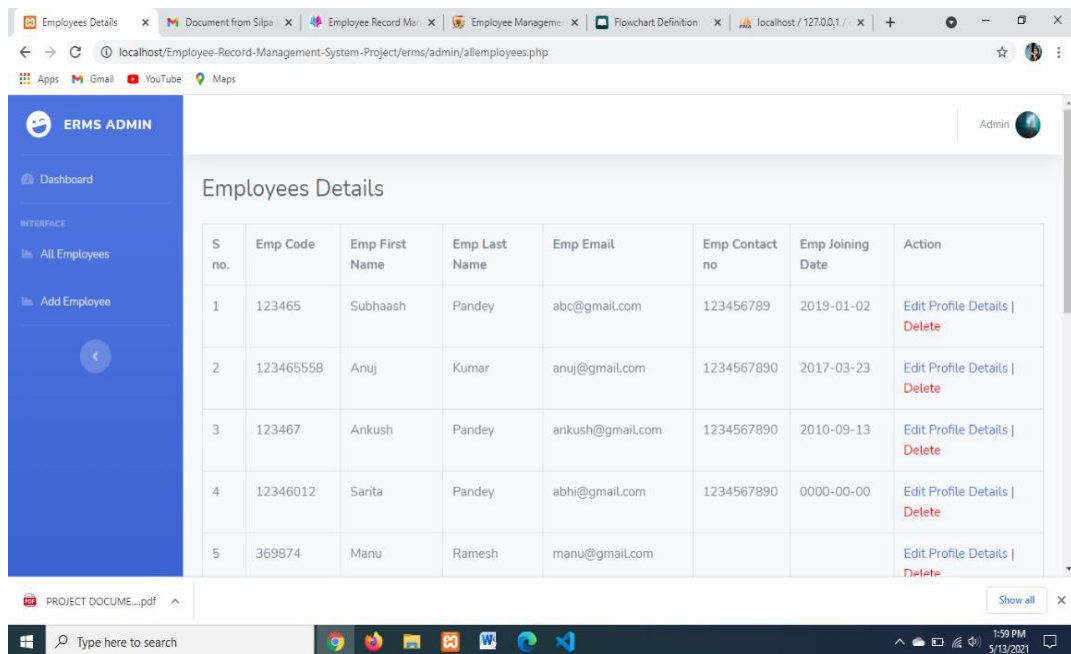
4.3 SCREENSHOTS

1. Home page

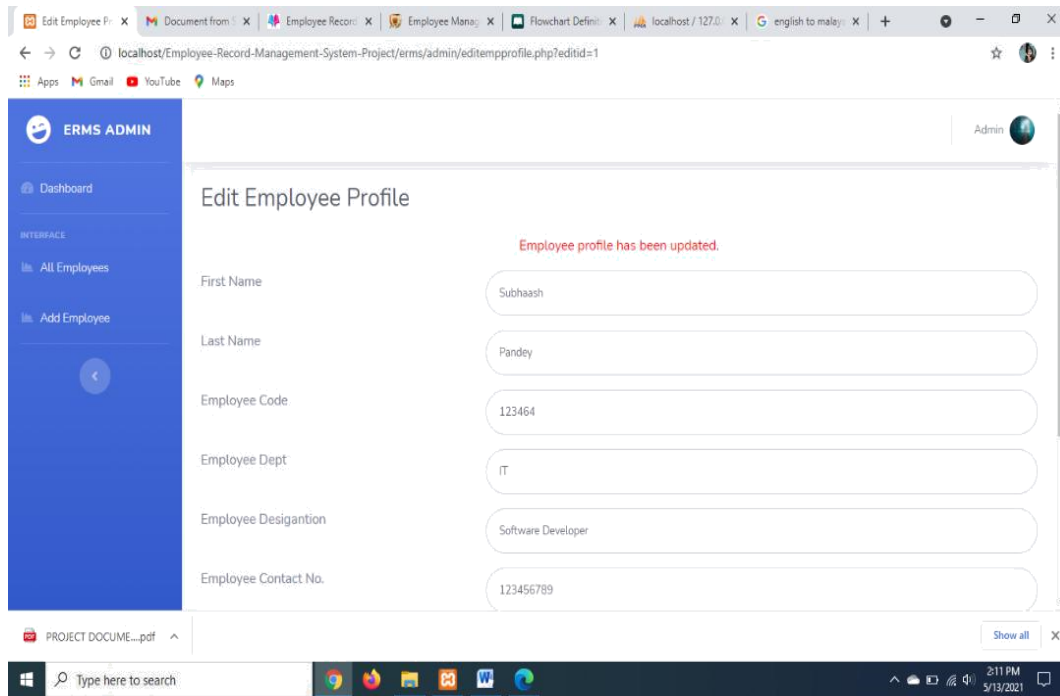

2. Admin Login page

3. Viewing of employee details

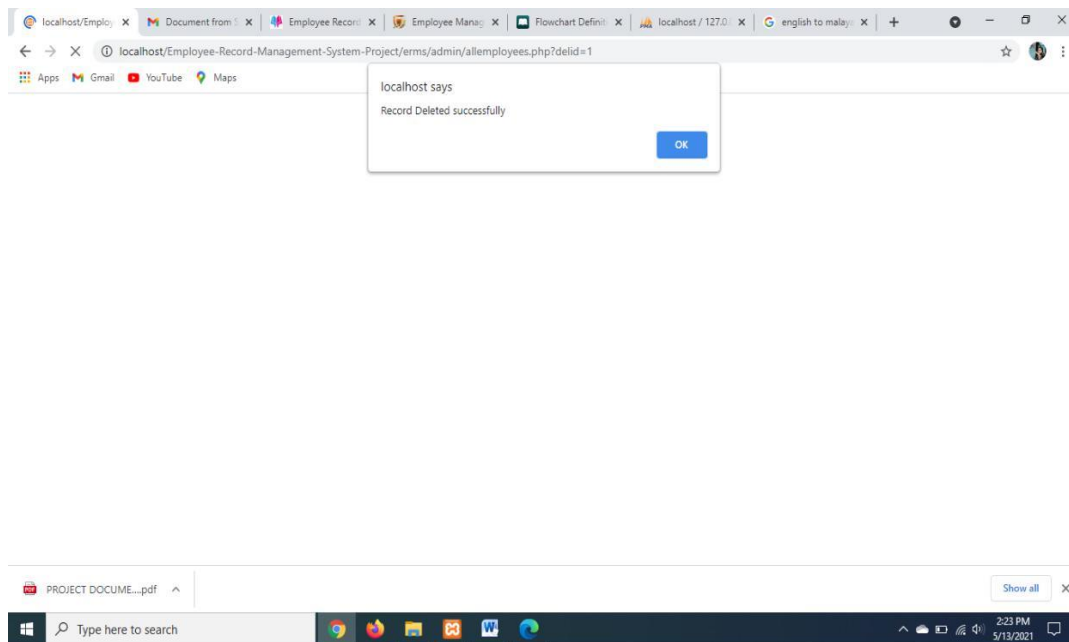## 4. Employee details edited

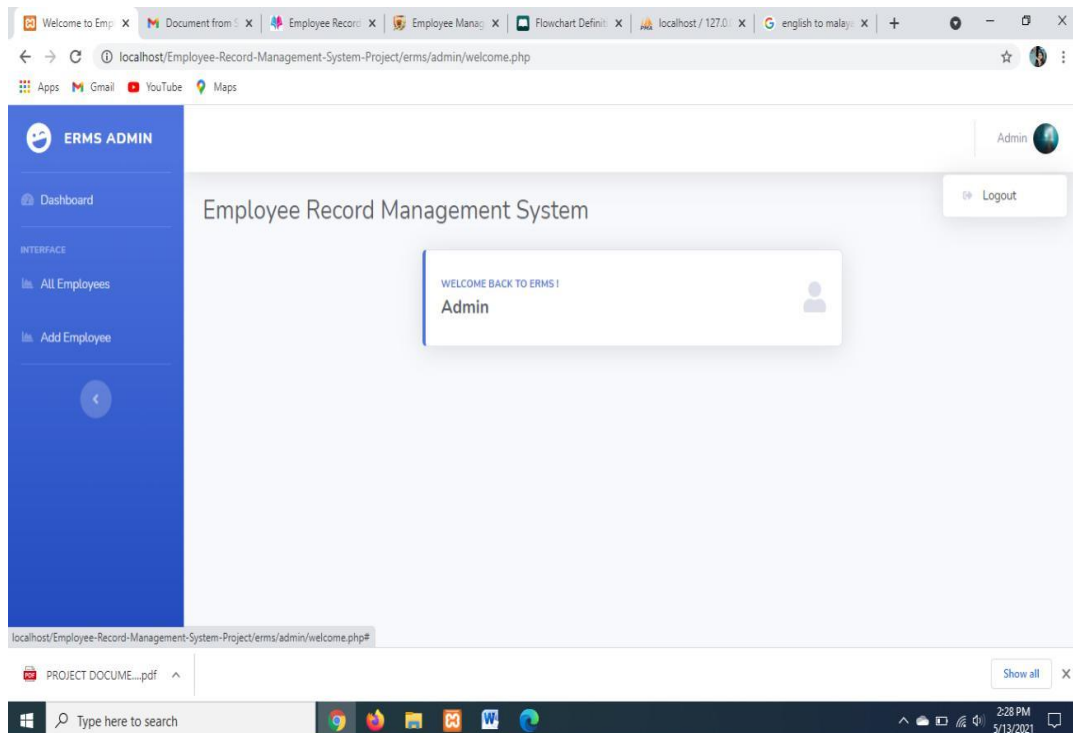## 5. Employee details Updated

6. Employee details Remove
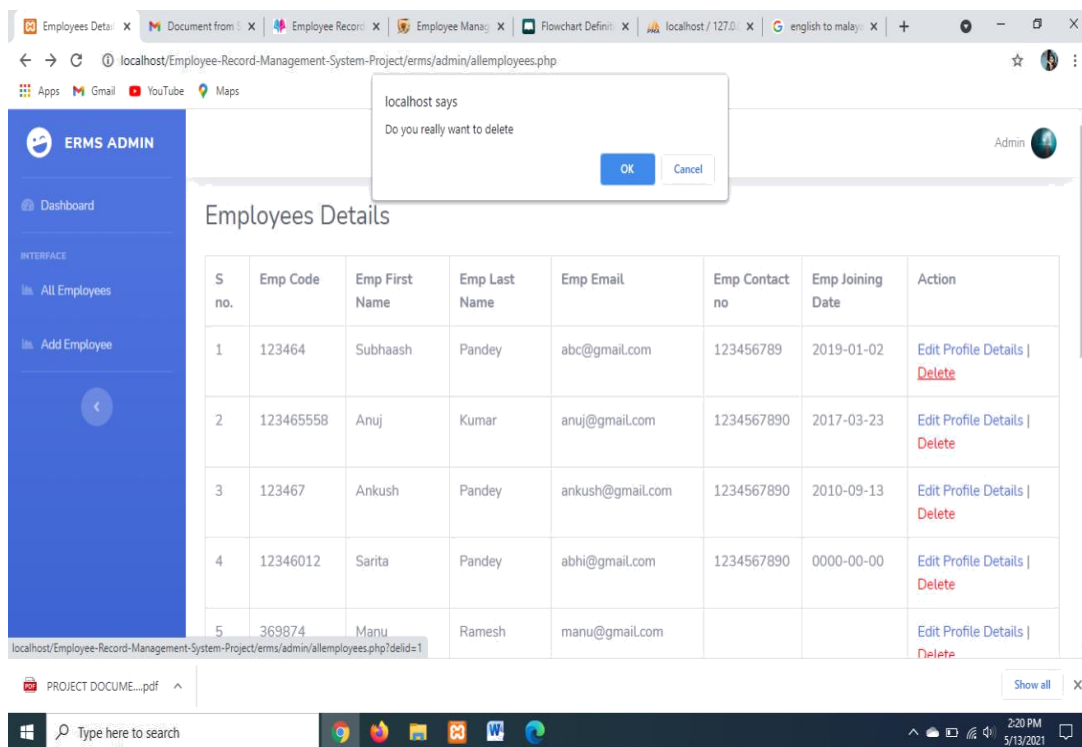
7.   Employee details will be removed

8. Admin Logout

4 CONCLUSION

This project is used for computerizing employee management work in companies. The software is capable of easy storage of information related to employee through database.

5 REFERENCE

1. https://phpgurukul.com
2. https://geeksforgeeks.com