

**PROJECT REPORT**

**Employee Record Management System**

**Submitted By**

**Silpa Krishna**

**ADIT/TVM/19/014**

**ADIT (2019-2021)**

**National Skill Training Institute for Women, Trivandrum**

## **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.

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## 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,

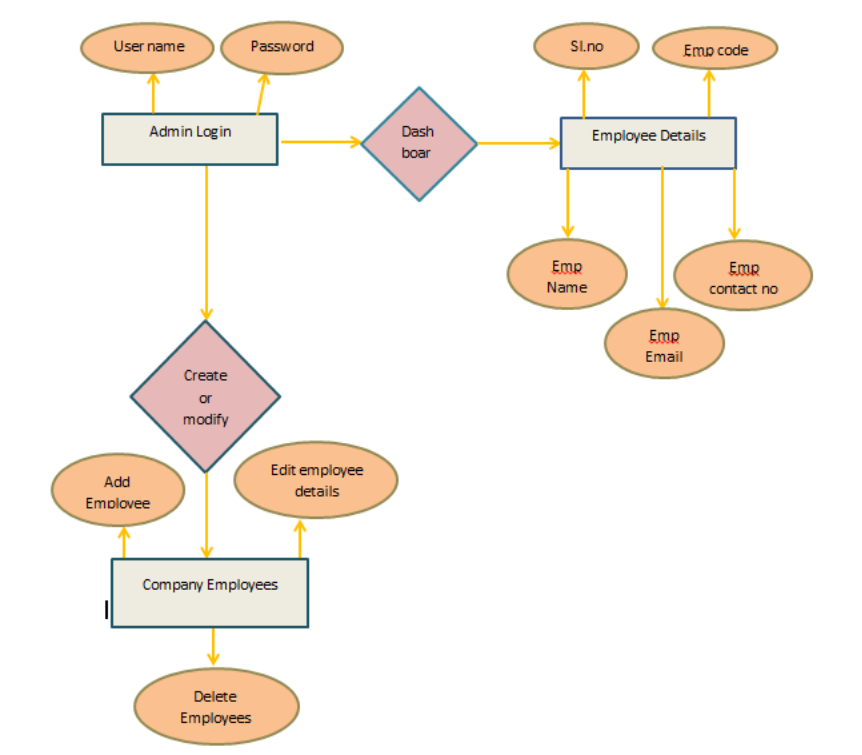
- Administrator

The administrator will be the authorized person to upload, update and remove details on this company. This person is using particular userid and password for login.

## 2. SYSTEM DESIGN

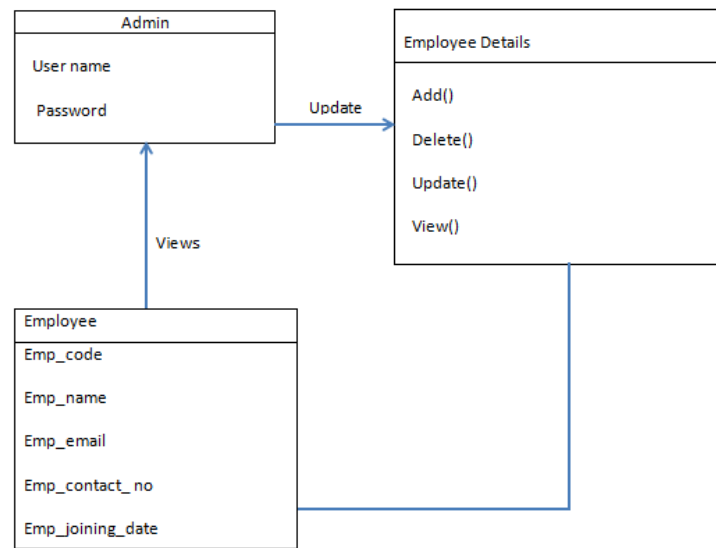
### 2.2 ER DIAGRAM

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.



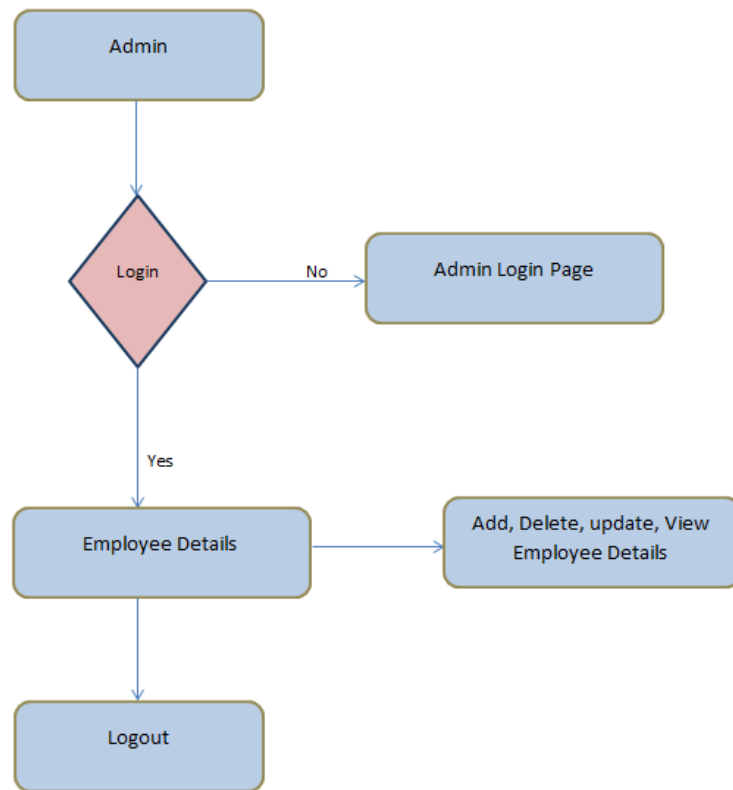
## 2.3 CLASS DIAGRAM

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.



## 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

Server: 127.0.0.1 » Database: ermsdb » Table: tbladmin

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 ID	int(11)			No	None		AUTO_INCREMENT	<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	2 AdminuserName	varchar(50)	latin1_swedish_ci		Yes	NULL			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	3 Password	varchar(45)	latin1_swedish_ci		Yes	NULL			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

☐ Check all With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Spatial](#) [Fulltext](#)

[Add to central columns](#) [Remove from central columns](#)

[Print](#) [Propose table structure](#) [Track table](#) [Move columns](#) [Normalize](#)

[Add](#) 1 column(s) after Password [Go](#)

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<a href="#">Edit</a> <a href="#">Rename</a> <a href="#">Drop</a>	PRIMARY	BTREE	Yes	No	ID	0	A	No	

Create an index on 1 columns [Go](#)

table/structure&db=ermsdb&table=tbladmin

#### 2. TABLE-EMPLOYEE\_DETAILS



Server: 127.0.0.1 » Database: ermsdb » Table: employeeedetail

[Browse](#)
[Structure](#)
[SQL](#)
[Search](#)
[Insert](#)
[Export](#)
[Import](#)
[Privileges](#)
[Operations](#)
[Tracking](#)
[Triggers](#)

[Table structure](#)
[Relation view](#)

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

```

<title>Welcome to Employee Record 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,300,300i,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 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">
</div>
</body>
</html>
?>

```

## 2. index.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">
```

```

        <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="text" 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>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>
</body>

</html>

```

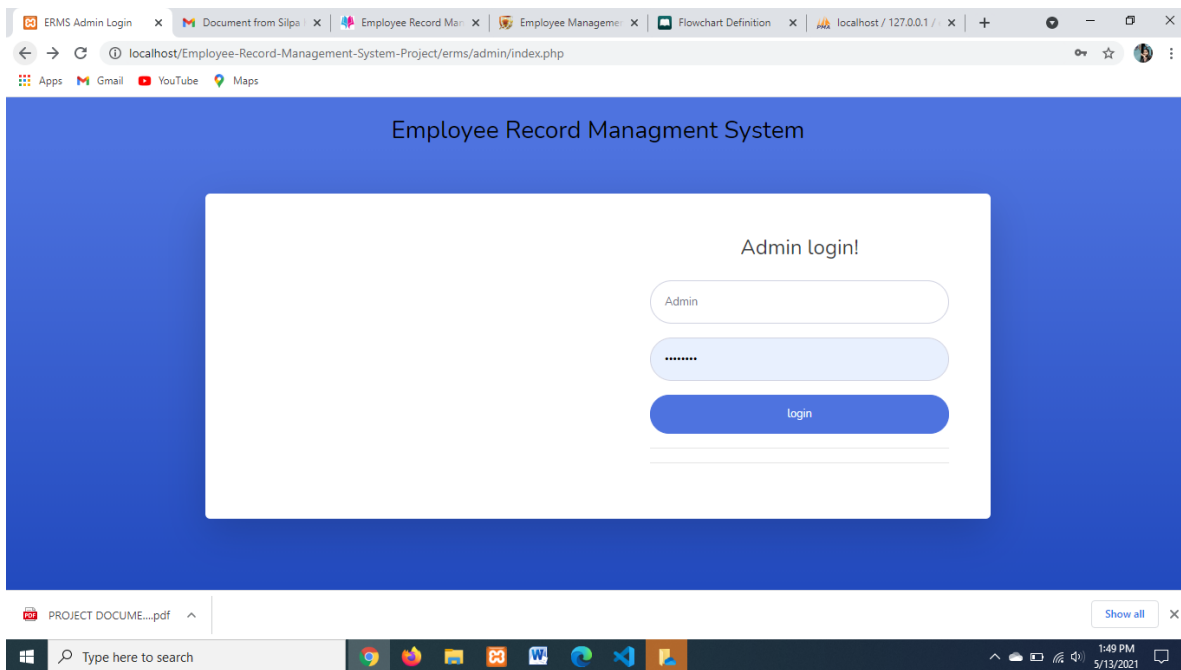
### 3. connection.php

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

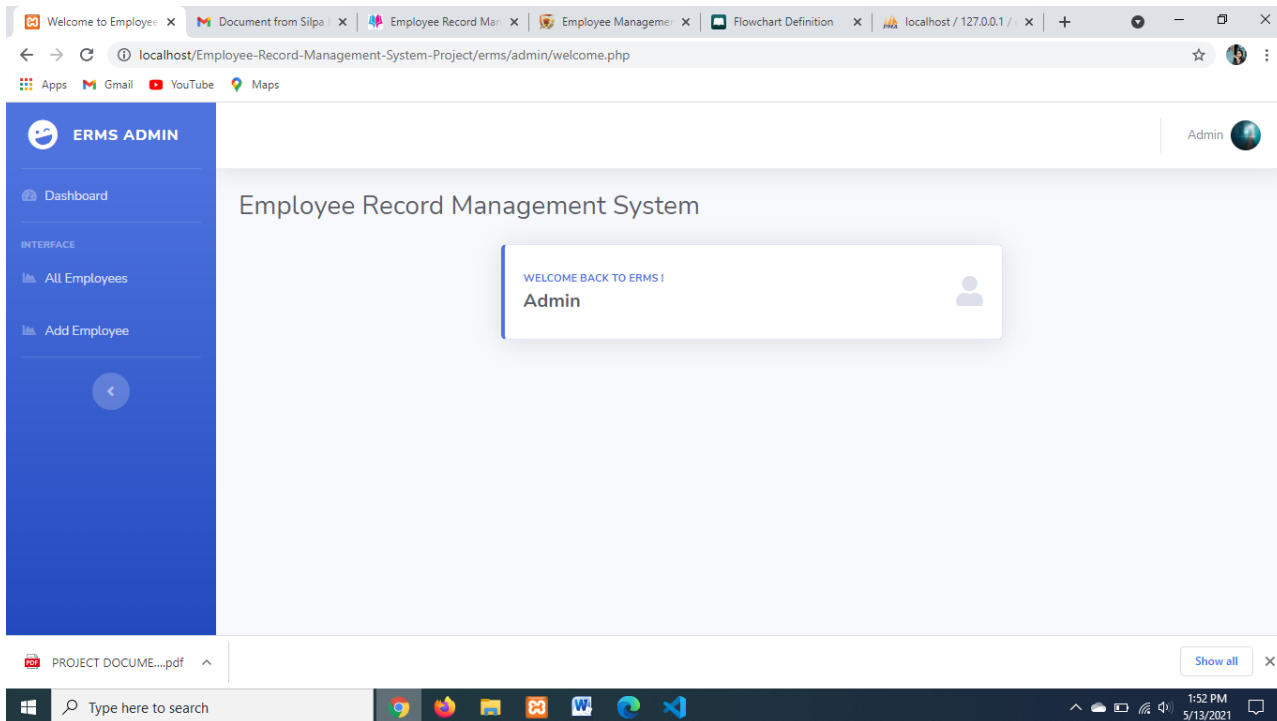
?>
```

### 4.3 SCREENSHOTS

#### 1. Home page

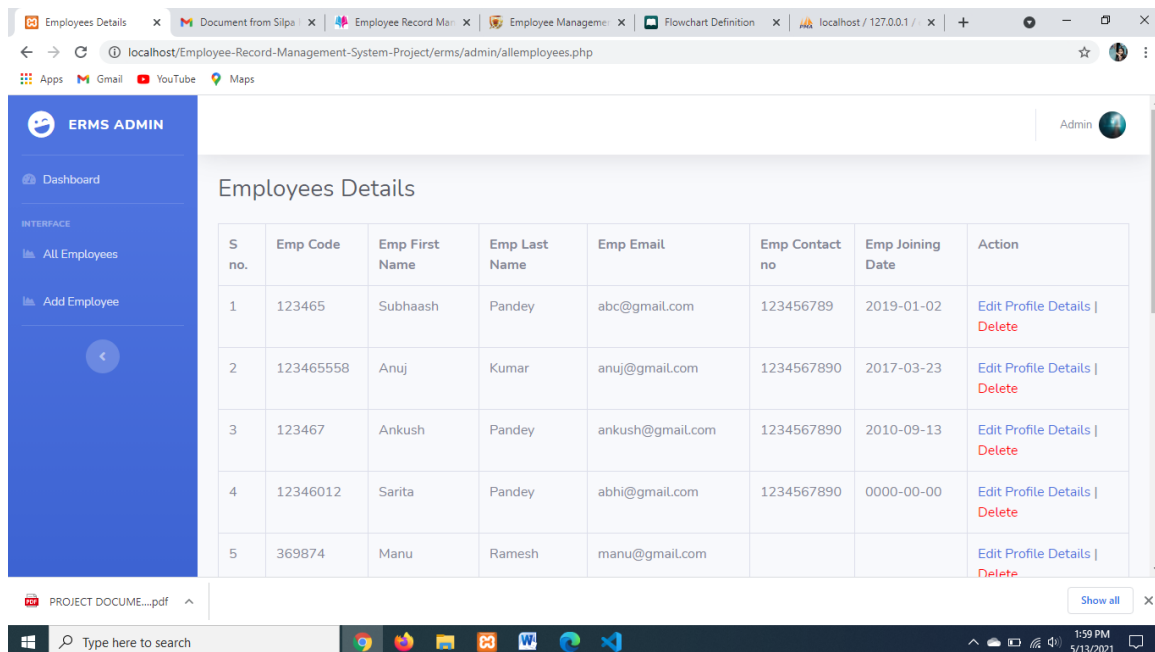


#### 2. Admin Login page



The screenshot shows the ERMS Admin Dashboard. The left sidebar contains a menu with 'Dashboard', 'INTERFACE', 'All Employees', and 'Add Employee'. The main content area displays 'Employee Record Management System' and a welcome message: 'WELCOME BACK TO ERMS! Admin'. The browser's address bar shows 'localhost/Employee-Record-Management-System-Project/erms/admin/welcome.php'. The Windows taskbar at the bottom shows the time as 1:52 PM on 5/13/2021.

### 3. Viewing of employee details



The screenshot shows the ERMS Admin Employees Details page. The left sidebar is the same as the dashboard. The main content area displays 'Employees Details' and a table with employee information. The table has columns for S no., Emp Code, Emp First Name, Emp Last Name, Emp Email, Emp Contact no, Emp Joining Date, and Action. The Action column contains links for 'Edit Profile Details' and 'Delete'.

S no.	Emp Code	Emp First Name	Emp Last Name	Emp Email	Emp Contact no	Emp Joining Date	Action
1	123465	Subhaash	Pandey	abc@gmail.com	123456789	2019-01-02	<a href="#">Edit Profile Details</a>   <a href="#">Delete</a>
2	123465558	Anuj	Kumar	anuj@gmail.com	1234567890	2017-03-23	<a href="#">Edit Profile Details</a>   <a href="#">Delete</a>
3	123467	Ankush	Pandey	ankush@gmail.com	1234567890	2010-09-13	<a href="#">Edit Profile Details</a>   <a href="#">Delete</a>
4	12346012	Sarita	Pandey	abhi@gmail.com	1234567890	0000-00-00	<a href="#">Edit Profile Details</a>   <a href="#">Delete</a>
5	369874	Manu	Ramesh	manu@gmail.com			<a href="#">Edit Profile Details</a>   <a href="#">Delete</a>

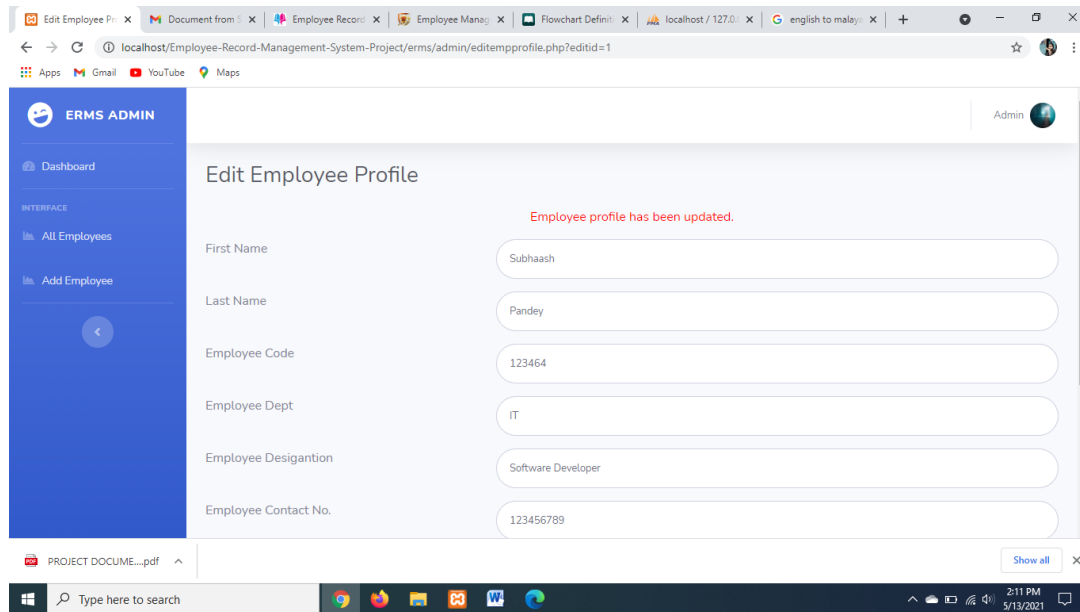
## 4. Employee details edited

The screenshot shows a web browser window with the URL `localhost/Employee-Record-Management-System-Project/erms/admin/editempprofile.php?editid=1`. The page displays a form for editing employee details. The form has a blue sidebar on the left with a back arrow and the text 'Add Employee'. The main content area contains the following fields:

Field	Value
Employee Code	123464
Employee Dept	IT
Employee Designation	Software Developer
Employee Contact No.	123456789
Email	abc@gmail.com
Employee Joining Date(yyyy-mm-dd)	2019-01-02
Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female

An 'Update' button is located at the bottom right of the form. The browser's taskbar at the bottom shows the Windows logo, a search bar, and several application icons. The system clock indicates 2:11 PM on 5/13/2021.

## 5. Employee details Updated



## 6. Employee details Remove



Employees Detail x Document from x Employee Record x Employee Manag x Flowchart Definit x localhost / 127.0.1 x english to malay x +

localhost/Employee-Record-Management-System-Project/erms/admin/allemployees.php

Apps Gmail YouTube Maps

localhost says  
Do you really want to delete

OK Cancel

Admin

### ERMS ADMIN

Dashboard

INTERFACE

- All Employees
- Add Employee

## Employees Details

S no.	Emp Code	Emp First Name	Emp Last Name	Emp Email	Emp Contact no	Emp Joining Date	Action
1	123464	Subhaash	Pandey	abc@gmail.com	123456789	2019-01-02	<a href="#">Edit Profile Details</a>   <a href="#">Delete</a>
2	123465558	Anuj	Kumar	anuj@gmail.com	1234567890	2017-03-23	<a href="#">Edit Profile Details</a>   <a href="#">Delete</a>
3	123467	Ankush	Pandey	ankush@gmail.com	1234567890	2010-09-13	<a href="#">Edit Profile Details</a>   <a href="#">Delete</a>
4	12346012	Sarita	Pandey	abhi@gmail.com	1234567890	0000-00-00	<a href="#">Edit Profile Details</a>   <a href="#">Delete</a>
5	369874	Manu	Ramesh	manu@gmail.com			<a href="#">Edit Profile Details</a>   <a href="#">Delete</a>

localhost/Employee-Record-Management-System-Project/erms/admin/allemployees.php?delid=1

PROJECT DOCUME....pdf

Show all

Type here to search

2:20 PM 5/13/2021

## 7. Employee details will be removed

localhost/Employee x Document from x Employee Record x Employee Manag x Flowchart Definit x localhost / 127.0.1 x english to malay x +

localhost/Employee-Record-Management-System-Project/erms/admin/allemployees.php?delid=1

Apps Gmail YouTube Maps

localhost says  
Record Deleted successfully

OK

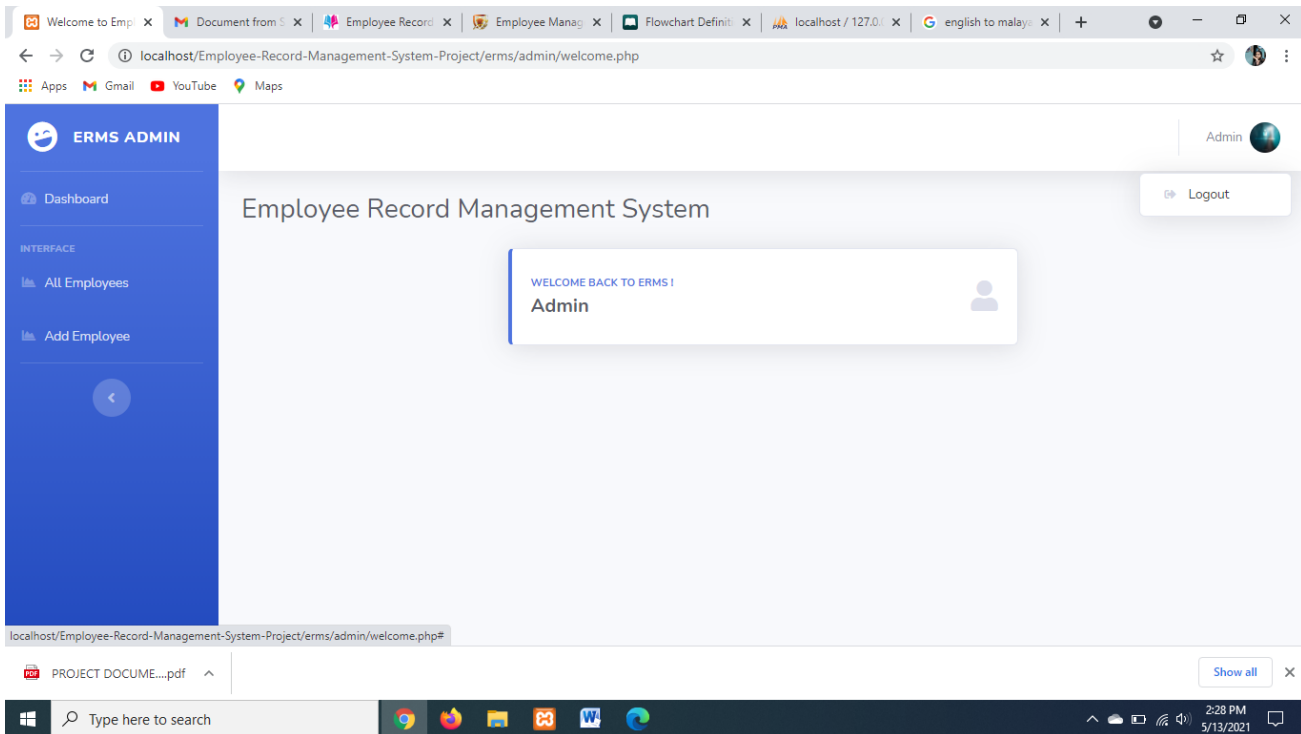
PROJECT DOCUME....pdf

Show all

Type here to search

2:23 PM 5/13/2021

## 7. 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>