Human Resource Management System

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Roll no: 1951

INTRODUCTION TO THE SYSTEM

The human resource management system can be used to manage the human resource of a company. The system helps the company to add new employee, add new department, make notice for a particular department, employee can apply for a leave, manage the salary and attendances of the employees.

It keeps the admin updated with the progress of employee and to know which employee works for which department and which employee wants to take leave on which day.

FEATURES OF THE PROPOSED SYSTEM

Features of the Admin

- **Profile:** In this module the Employee can view his profile details.

- **Add Admin:** The Admin can add one more person as the admin of the system.

- **Add Employee:** The Admin can add the new employees joined in the company.

- **View Employees:** This module consists of all the records of the employee. It also allows insertion and deletion of employee records. If the admin wants to find out which employees are working in a particular department than he can search for the department and afterwards the records will be displayed in the table according to the department.

- **Add Department:** In this module the admin can add Department.

- **View Departments:** This module consists of all the records of the Departments. It also allows insertion and deletion of Departments records. The existing Departments can also be updated.

- **Leave Status:** In this module the admin can Approve or Reject the leave form send by the employee.

- **Payroll:** In this module the admin manages the salary of the employees.

- **Notice:** In this Module the Admin can send notice to a particular Department or to all Departments if some events or training is to be held.

- **Attendance:** in this module the admin manages the attendance of the employees.

Features of the Employee

- **Profile:** In this module the Employee can view his profile details.

- **Take Leave:** In this module the Employee can take leave.

- **View:** In this module the Employee would be able to see the notices send by the employee.

- **Net pay:** in this module the employee can view the net salary payable to him.

REQUIREMENTS

Website

1) Hardware Requirements

- Pc with intel core processor or equivalent 1GB RAM or above

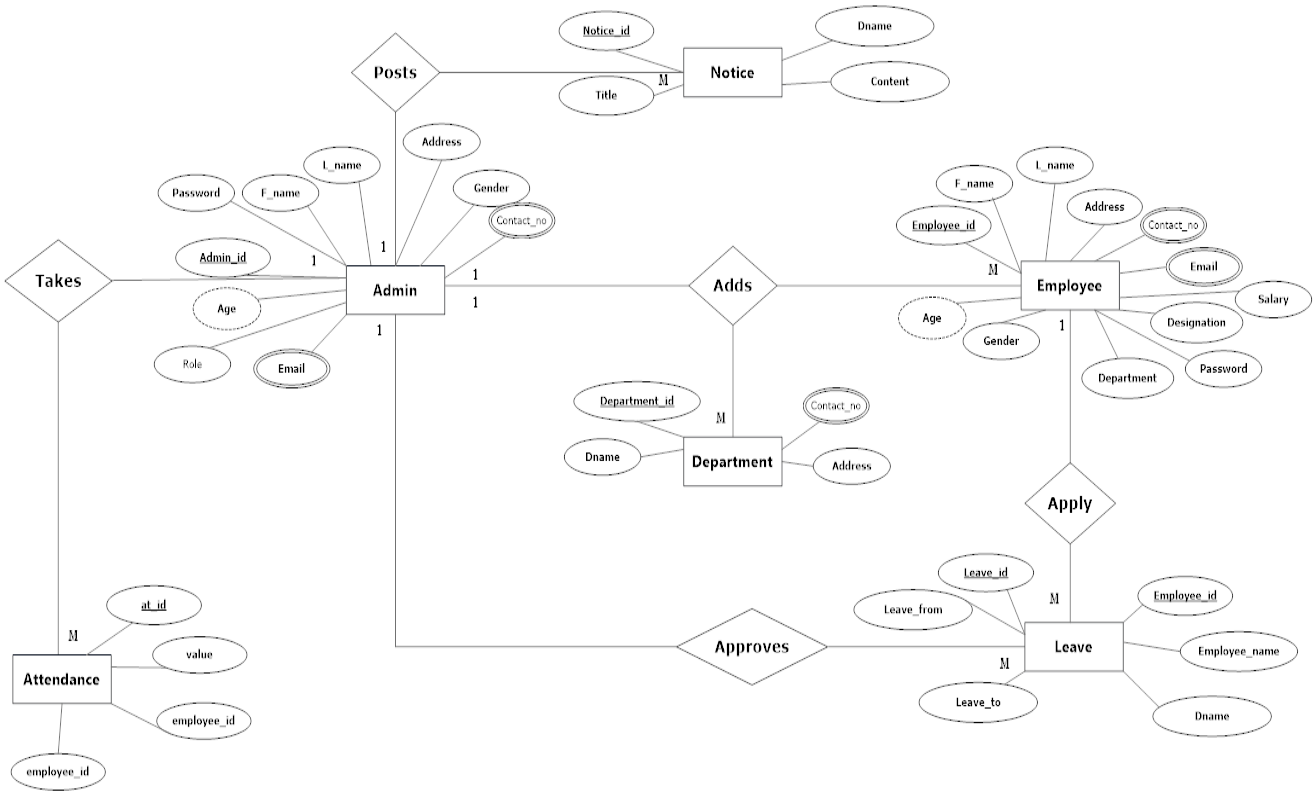
2) Software Requirement

- **FRONTEND SOFTWARE TOOLS**
  - HTML5
  - CSS3
  - JQUERY
  - JAVASCRIPT
  - BOOTSTRAP
  - AJAX
  - PHP

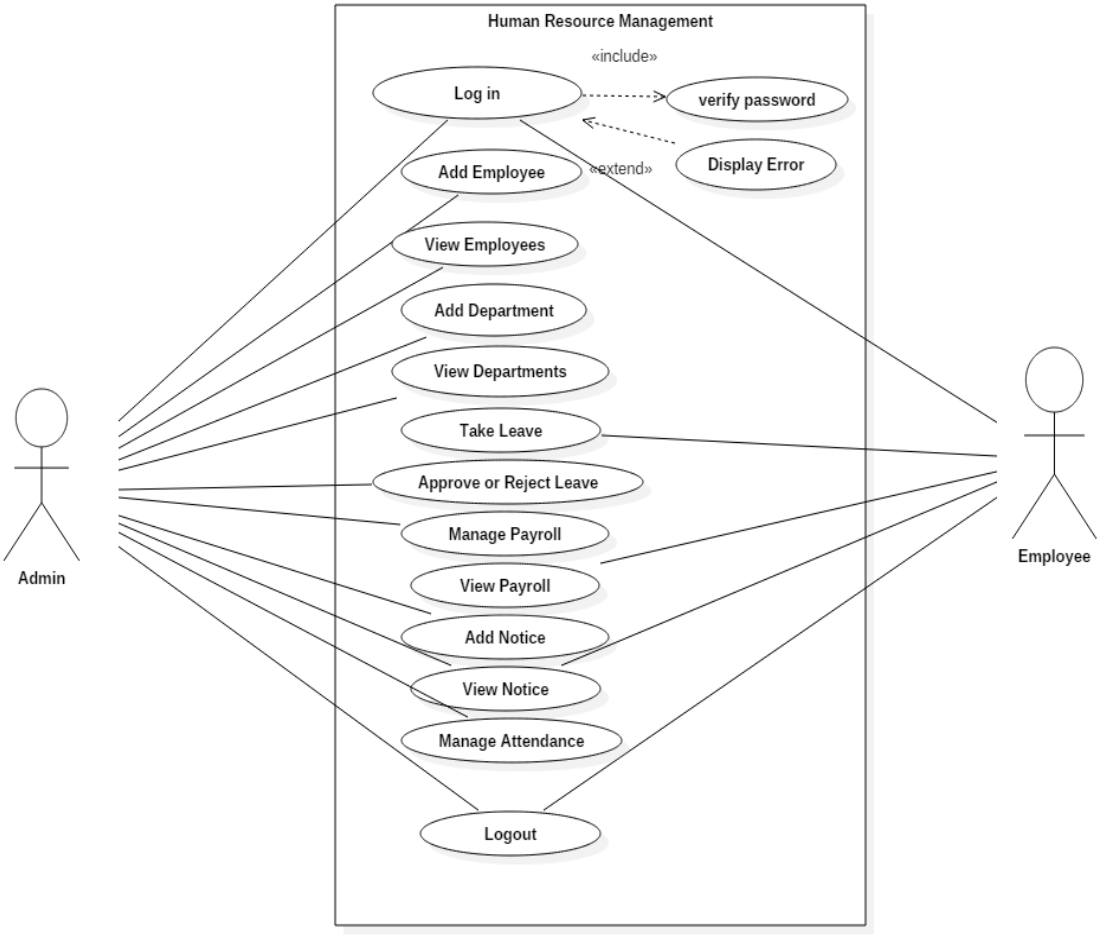
- **BACKEND SOFTWARE TOOLS**
  - MySQL

DESIGN OF SYSTEM

ENTITY RELATIONSHIP DIAGRAM



USE CASE DIAGRAM



DATABASE DESIGN

Table Name: employee

Description: To store Employee details.

Primary Key: Employee_id

Sr. No	Field Name	Description	Data Type	Constraints
1	Employee_id	Stores the id	Int(11)	Primary Key
2	F_name	Stores the Employee First name	Varchar(40)	
3	L_name	Stores the Employee Last name	Varchar(40)	
4	Address	Stores the Address	Varchar(40)	
5	Contact_No	Stores the contact no	Varchar(40)	
6	Age	Stores the age	Int(40)	
7	Gender	Stores the Employee's Gender	Varchar(40)	
8	Department	Stores the Employee's Department	Varchar(40)	
9	Designation	Stores the Employee's Designation	Varchar(40)	
10	Email	Stores the email	Varchar(40)	
11	Salary	Stores the Salary	Int(25)	
12	Password	Stores the Employee's Password	Varchar(90)	
13	Deduction	Stores the amount deducted	Int(10)	

14	Advance	Stores the advance amount taken	Int(10)	
15	Overtime	Stores the Overtime amount	Int(10)	
16	Bonus	Stores the Bonus amount	Int(10)	
17	Employee_image	Stores the Employee's Profile	Varchar(60)	
18	Employee_cover	Stores the Employee's cover photo	Varchar(60)	
19	Data_time_Created	Stores the date	DATETIME	

Table Name: admin

Description: To store admin details.

Primary Key: Admin_id

Sr. No	Field Name	Description	Data Type	Constraints
1	Admin_id	Stores the id	Int(11)	Primary Key
2	F_name	Stores the Employee First name	Varchar(40)	
3	L_name	Stores the Employee Last name	Varchar(40)	
4	Address	Stores the Address	Varchar(40)	
5	Gender	Stores the Admin's Gender	Varchar(40)	
6	Contact_No	Stores the contact no	Varchar(255)	
7	Age	Stores the age	Int(15)	
8	Role	Stores the Admin's Role	Varchar(40)	
9	Email	Stores the email	Varchar(40)	

10	Password	Stores the Admin's Password	Varchar(255)	
11	Admin_image	Stores the Admin's Profile	Varchar(40)	
12	Admin_cover	Stores the Admin's cover photo	Varchar(40)	
13	Data_time_Created	Stores the date	DATETIME	

Table Name: department

Description: To store department details.

Primary Key: Department_id

Sr. No	Field Name	Description	Data Type	Constraints
1	Department_id	Stores the id	Int(11)	Primary Key
2	Dname	Stores the Department name	Varchar(40)	
3	Contact_No	Stores the contact no	Varchar(40)	
4	Address	Stores the Address	Varchar(40)	
5	Data_time_Created	Stores the date	DATETIME	
6	Is_deleted	Used for deleting the record	Tinyint(4)	

Table Name: leaves

Description: To store leave details.

Primary Key: Leave_id

Sr. No	Field Name	Description	Data Type	Constraints
1	Leave_id	Stores the id	Int(11)	Primary Key

2	Employee_id	Stores the Employee id	Int(11)	
3	Employee_name	Stores the Employee	Varchar(40)	
4	Leave_type	Stores the Leave type	Varchar(40)	
5	Dname	Stores the Department name	Varchar(40)	
6	Leave_from	Stores the date	DATETIME	
7	Leave_to	Stores the date	DATETIME	
8	Description	Stores the leave descripion	Varchar(255)	
9	Status	Stores the status	Varchar(255)	

Table Name: leave_type

Description: To store leave details.

Primary Key: Leave_id

Sr. No	Field Name	Description	Data Type	Constraints
1	id	Stores the id	Int(11)	Primary Key
2	Leave_type	Stores the Leave_type	varchar(40)	

Table Name: notice

Description: To store notice details.

Primary Key: Notice_id

Sr. No	Field Name	Description	Data Type	Constraints
1	id	Stores the id	Int(11)	Primary Key
2	Title	Stores the Title	varchar(255)	

3	Dname	Stores the Department name	varchar(255)	
4	Content	Stores the Content	text	

Table Name: overtime

Description: To store overtime details.

Primary Key: ot_id

Sr. No	Field Name	Description	Data Type	Constraints
1	ot_id	Stores the id	Int(11)	Primary Key
2	rate	Stores the rate	Int(11)	
3	none	Stores the Details	Int(11)	

Table Name: attendance

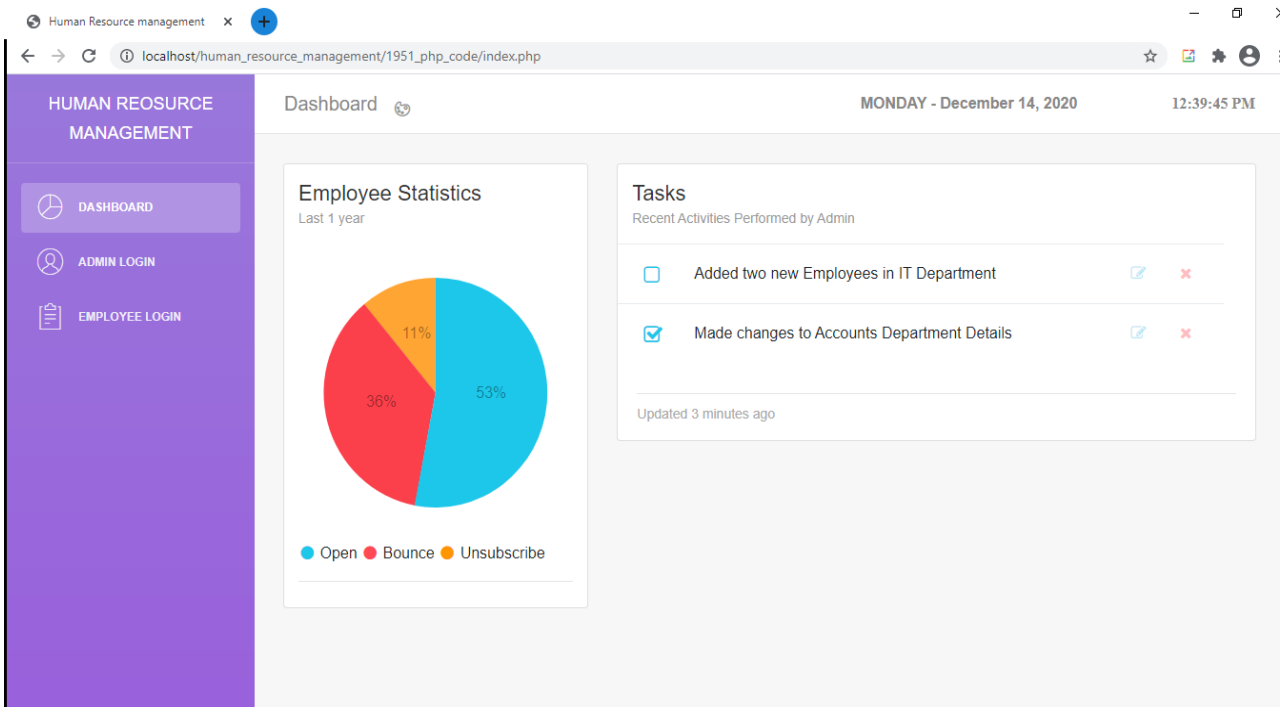
Description: To store attendance details.

Primary Key: at_id

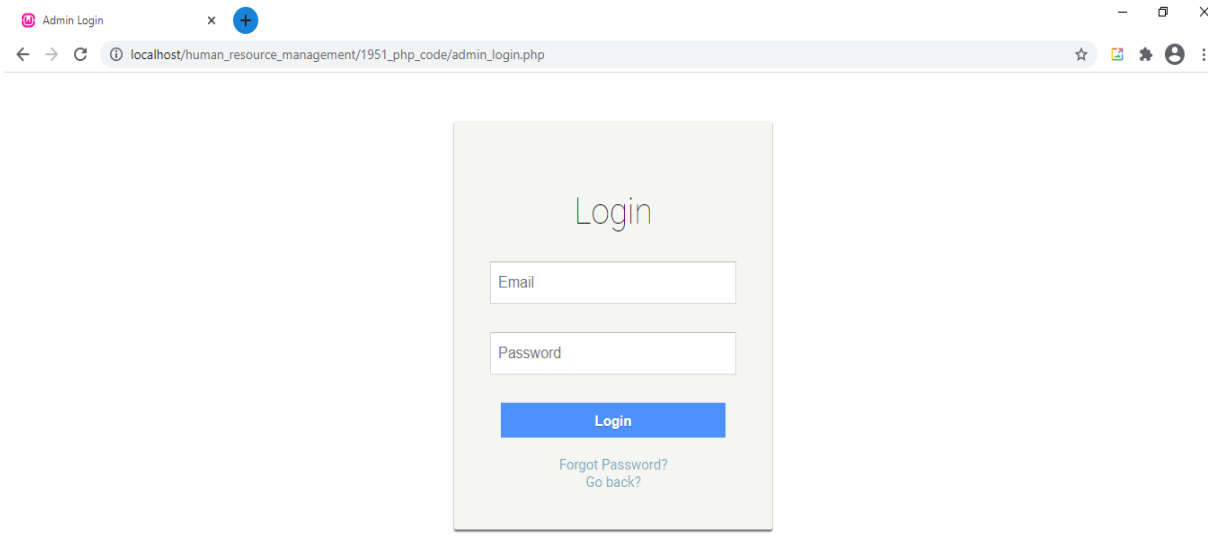
Sr. No	Field Name	Description	Data Type	Constraints
1	ot_id	Stores the id	Int(11)	Primary Key
2	value	Stores the value Present or Absent	Varchar(255)	
3	employee_id	Stores the Employee id	Int(11)	Foreign Key
4	date	Stores the date	Varcha(255)	

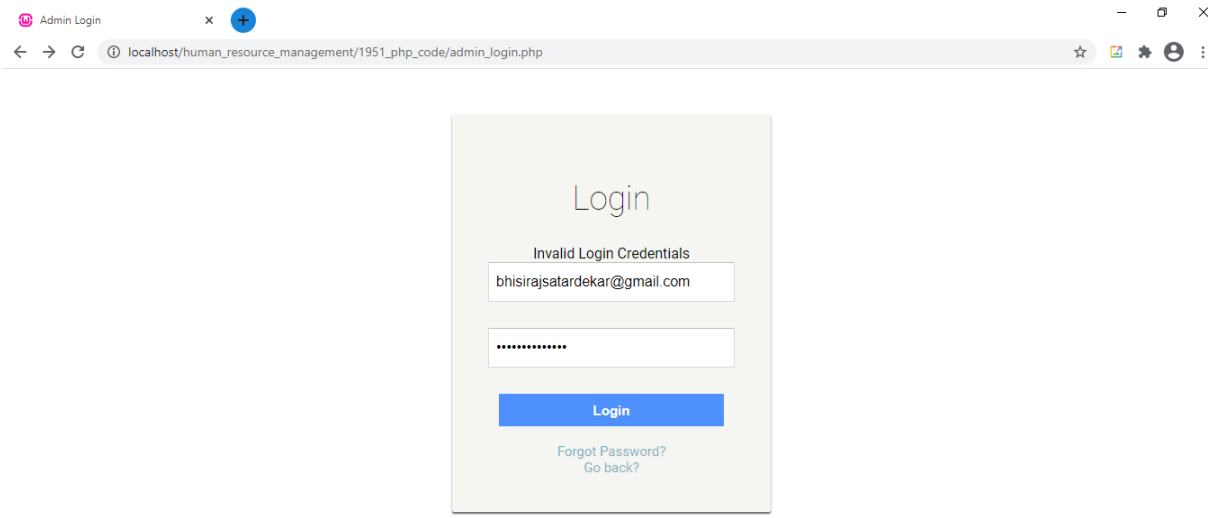
IMPLEMENTATION

Following Screenshot Shows the Homepage of the Application

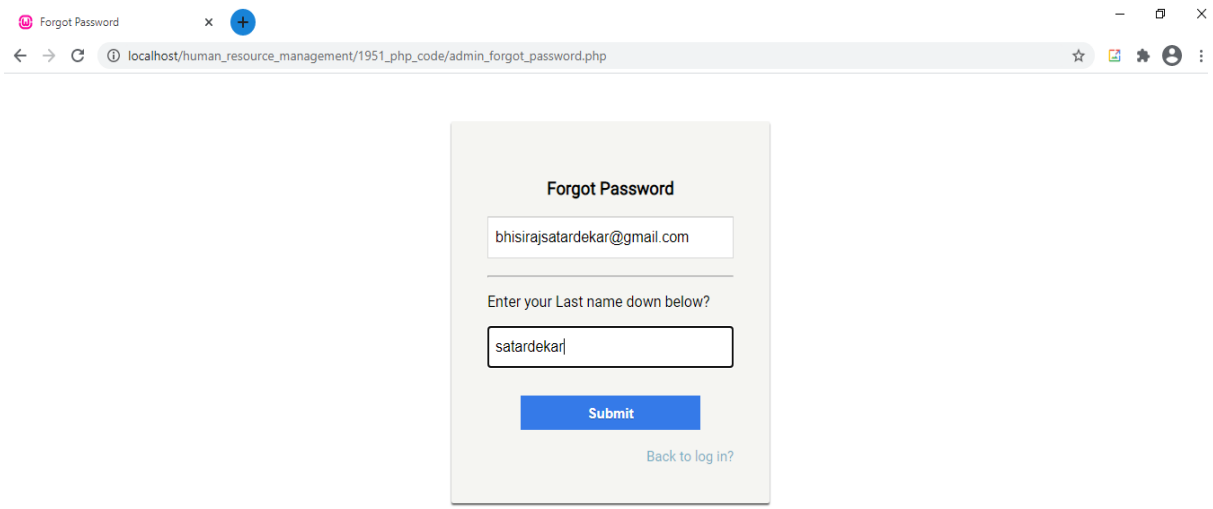


Following Screenshot Shows the Login Page of the Admin

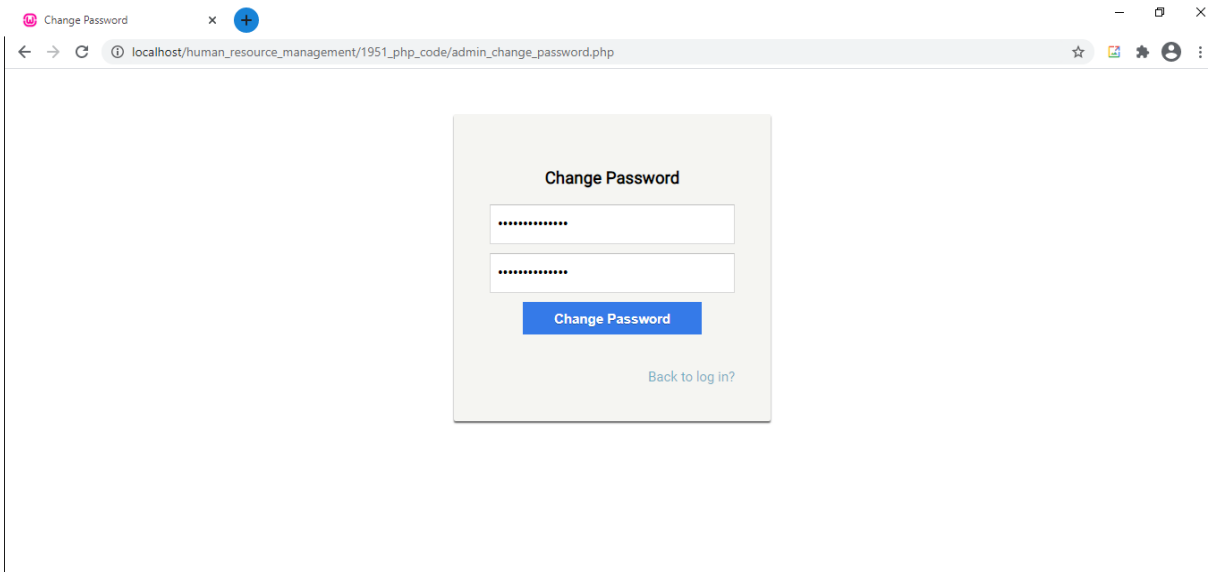

Admin Login
localhost/human_resource_management/1951_php_code/admin_login.php
Login
Email
Password
Login
Forgot Password?
Go back?

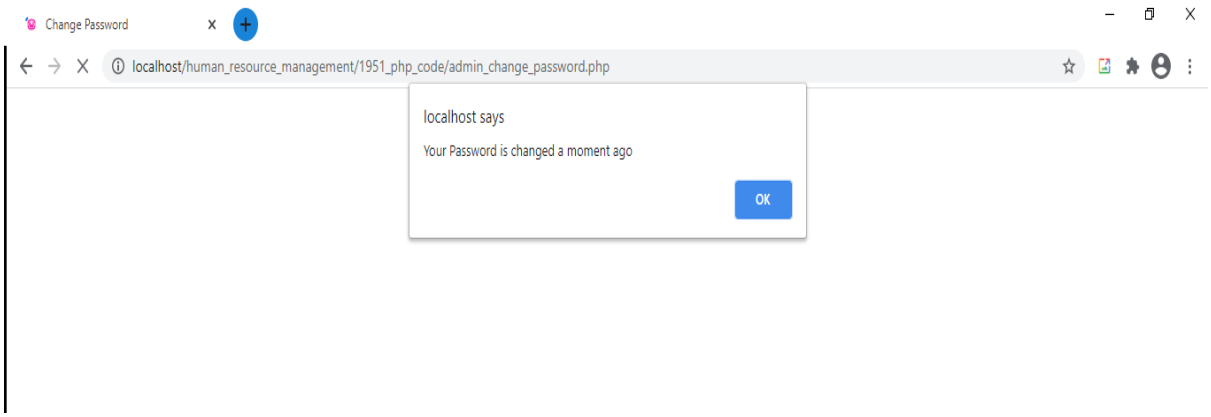

Admin Login
localhost/human_resource_management/1951_php_code/admin_login.php
Login
Invalid Login Credentials
bhisirajsatardekar@gmail.com
Login
Forgot Password?
Go back?

Following Screenshot Shows the Forgot password Page of the Admin

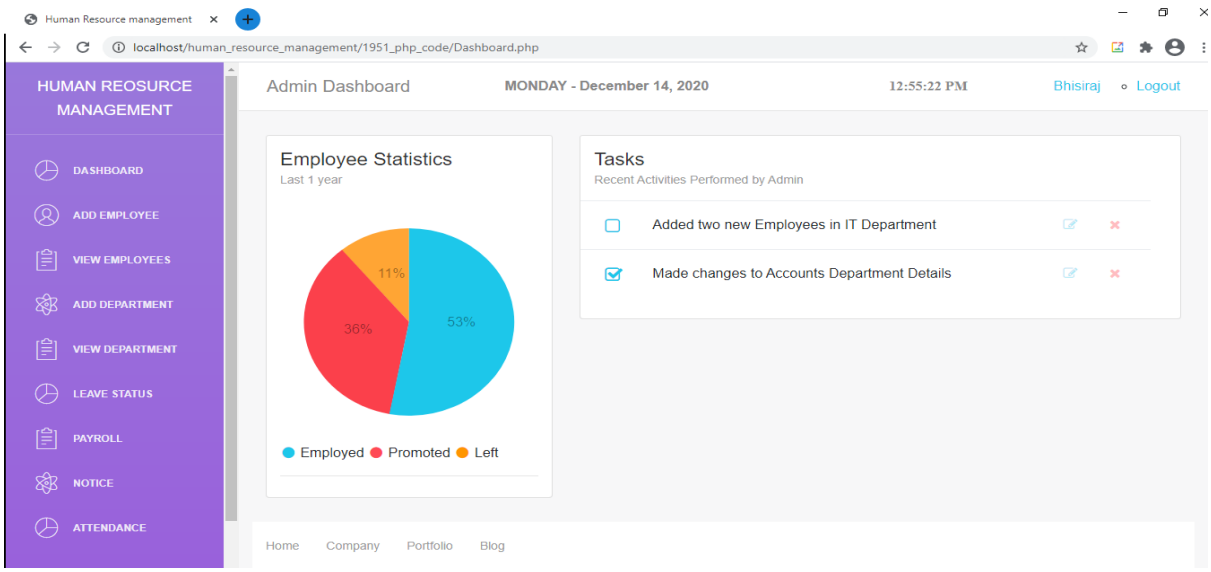


Following Screenshot Shows the Change password Page of the Admin

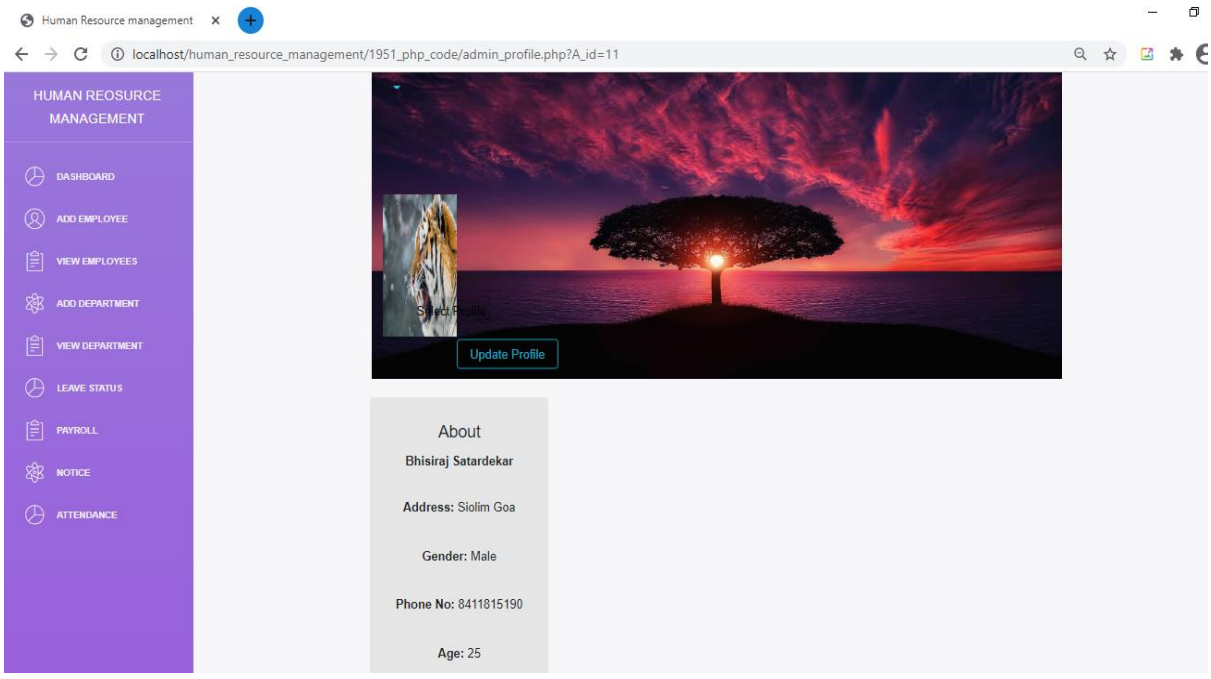




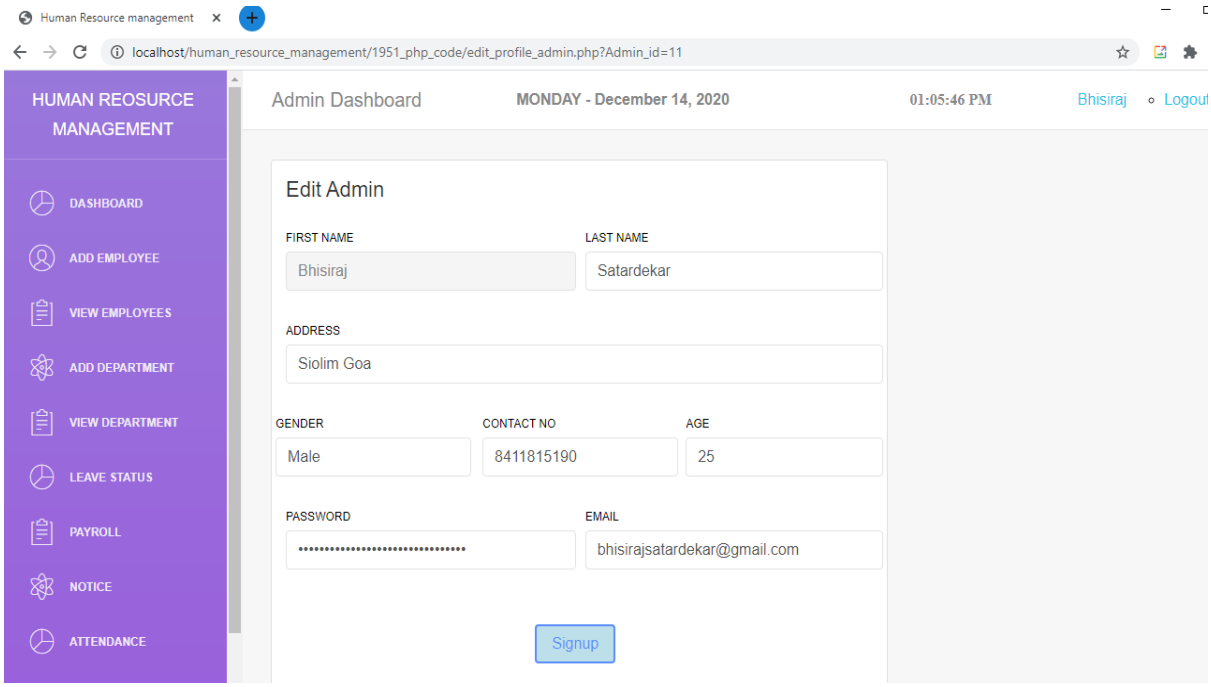
Following Screenshot Shows the Homepage of the Admin



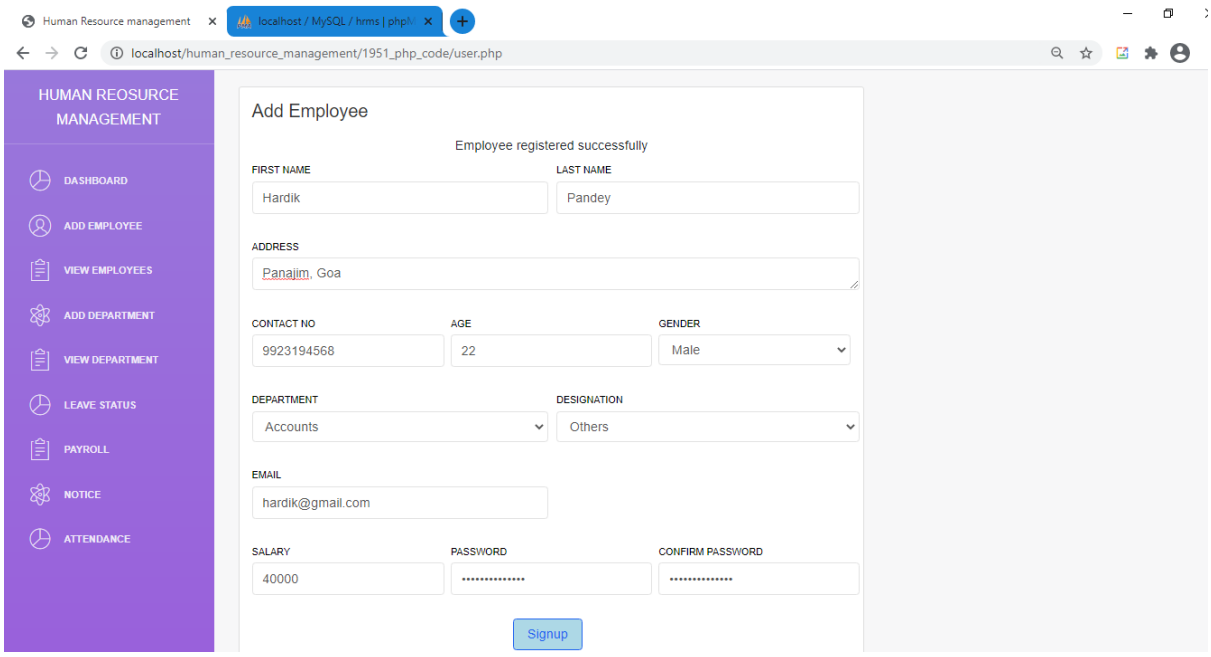
Following Screenshot Shows the Profile page of the Admin



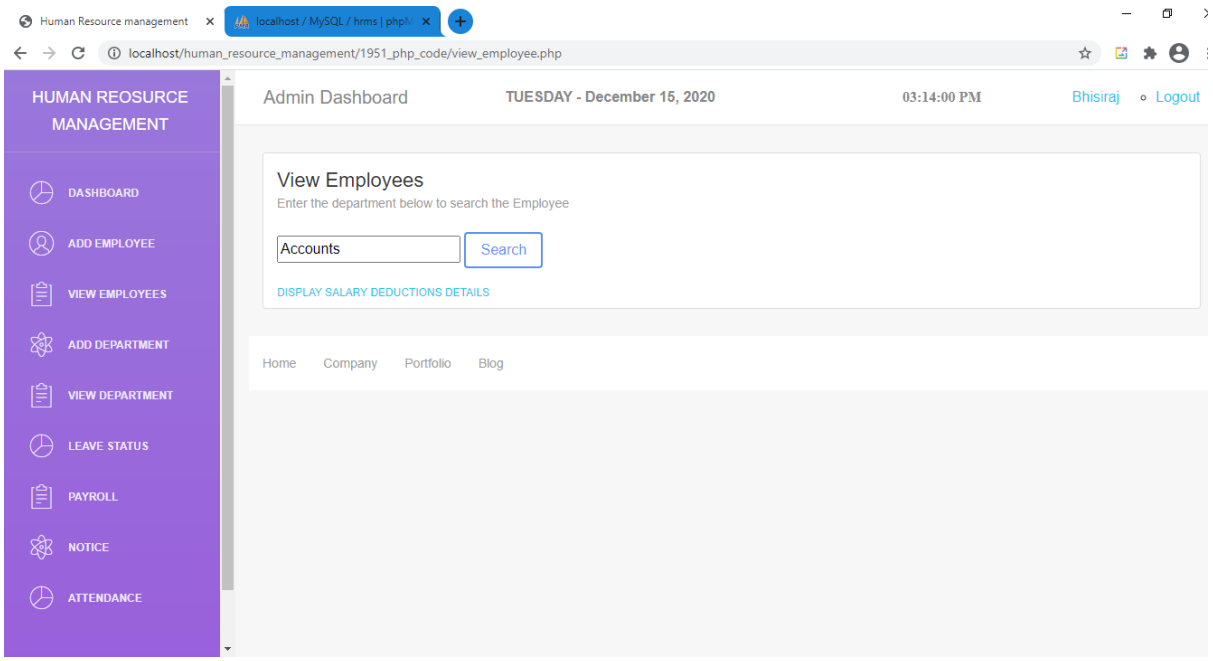
Following Screenshot Shows the Edit Profile page of the Admin

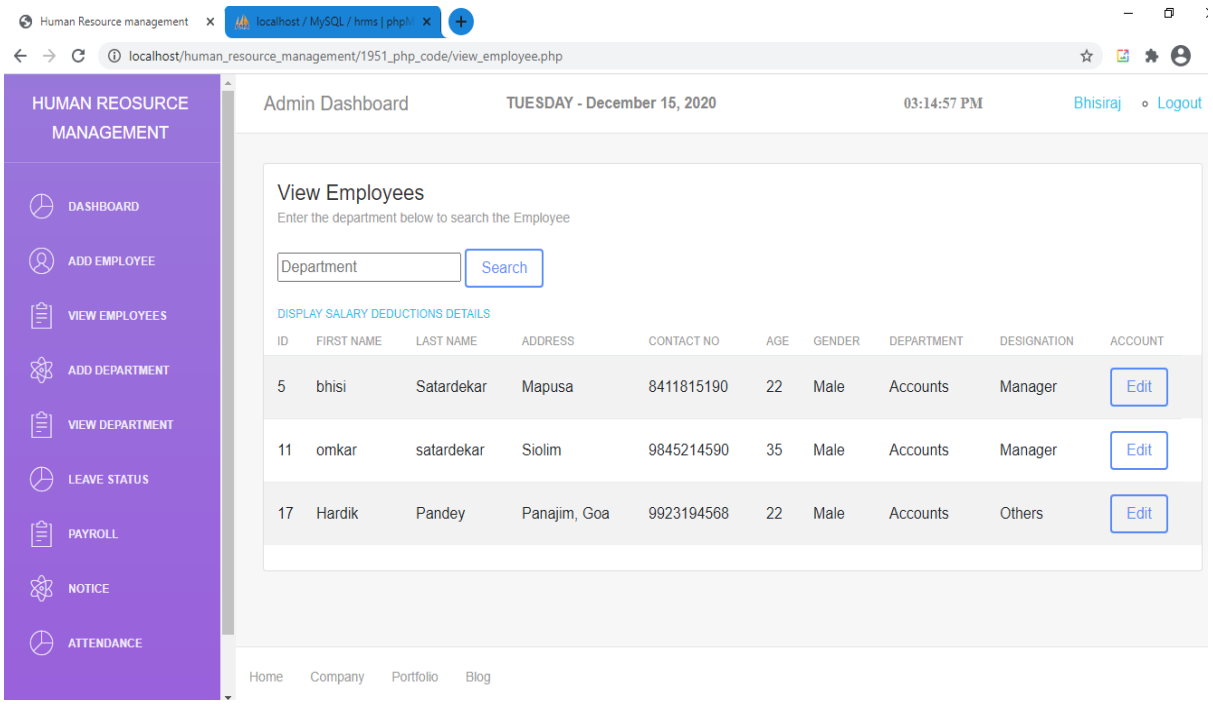


Following Screenshot Shows the Add Employee page

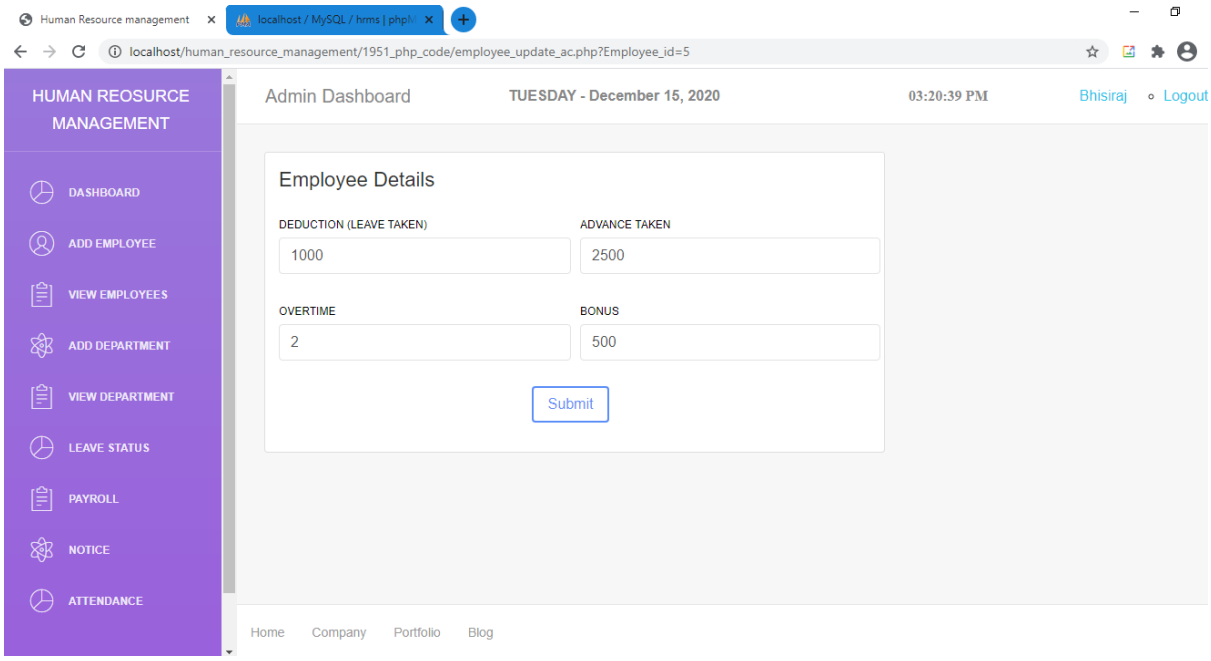


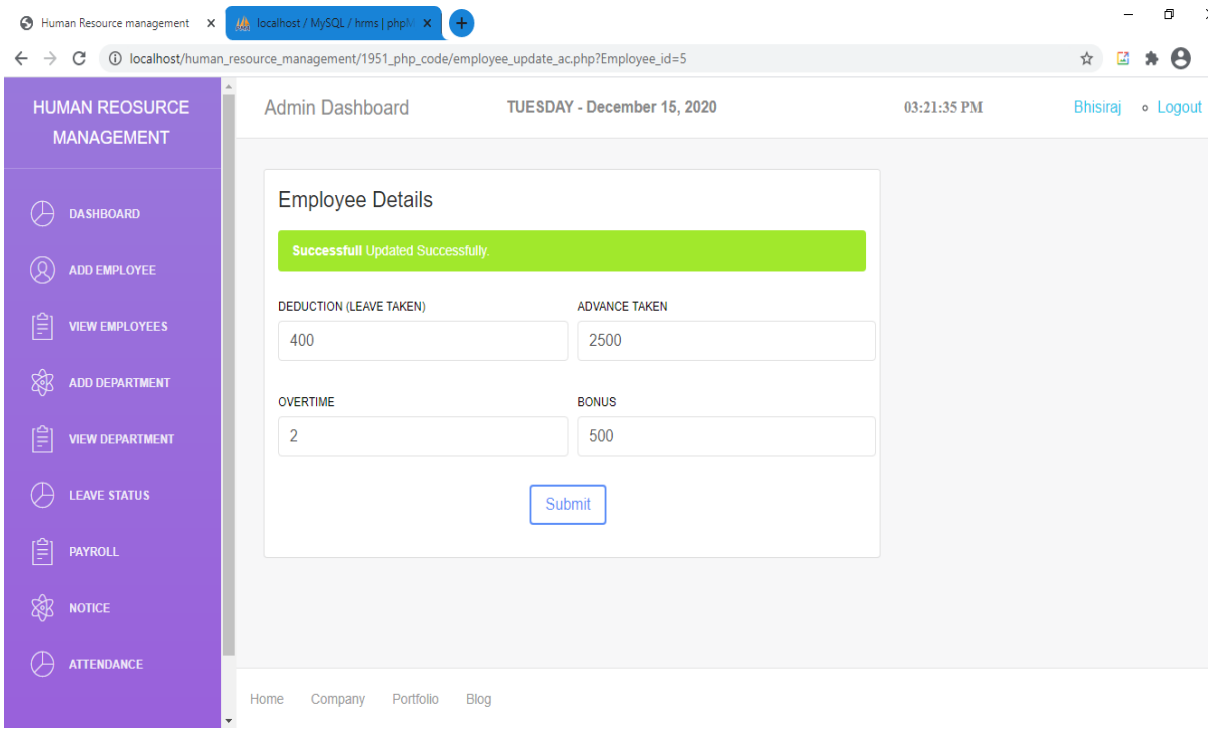
Following Screenshot Shows the view Employee page, Employees can be searched by they departments.



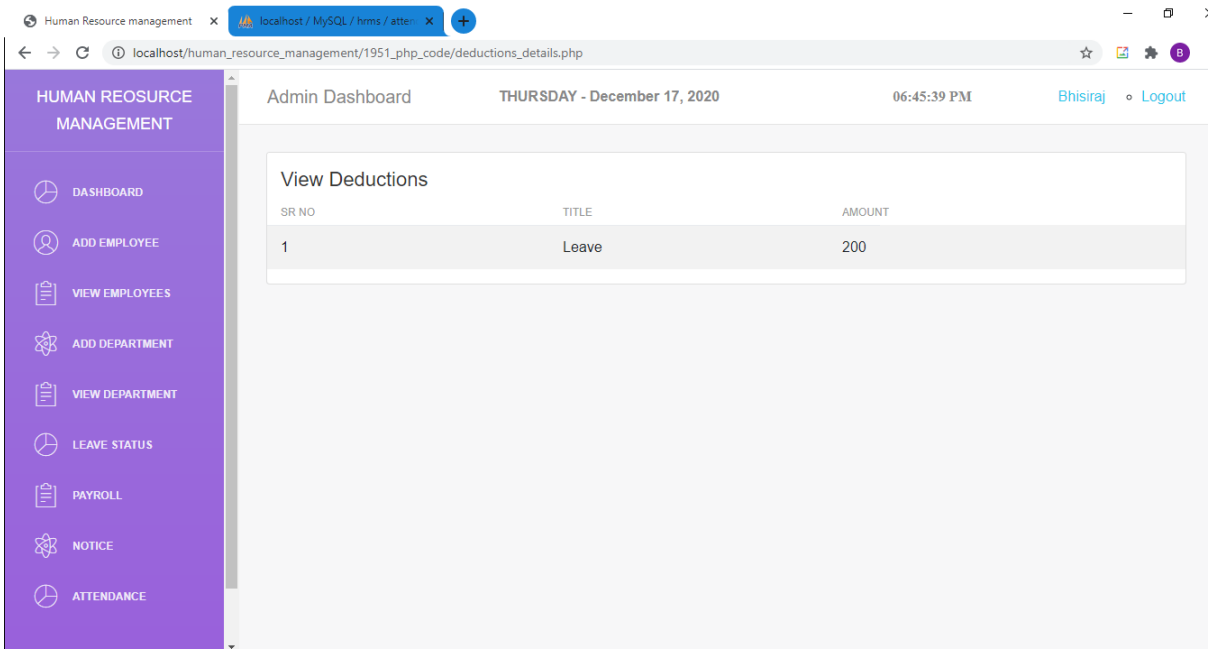


Following Screenshot shows that the Admin manages the employee basic salary details.

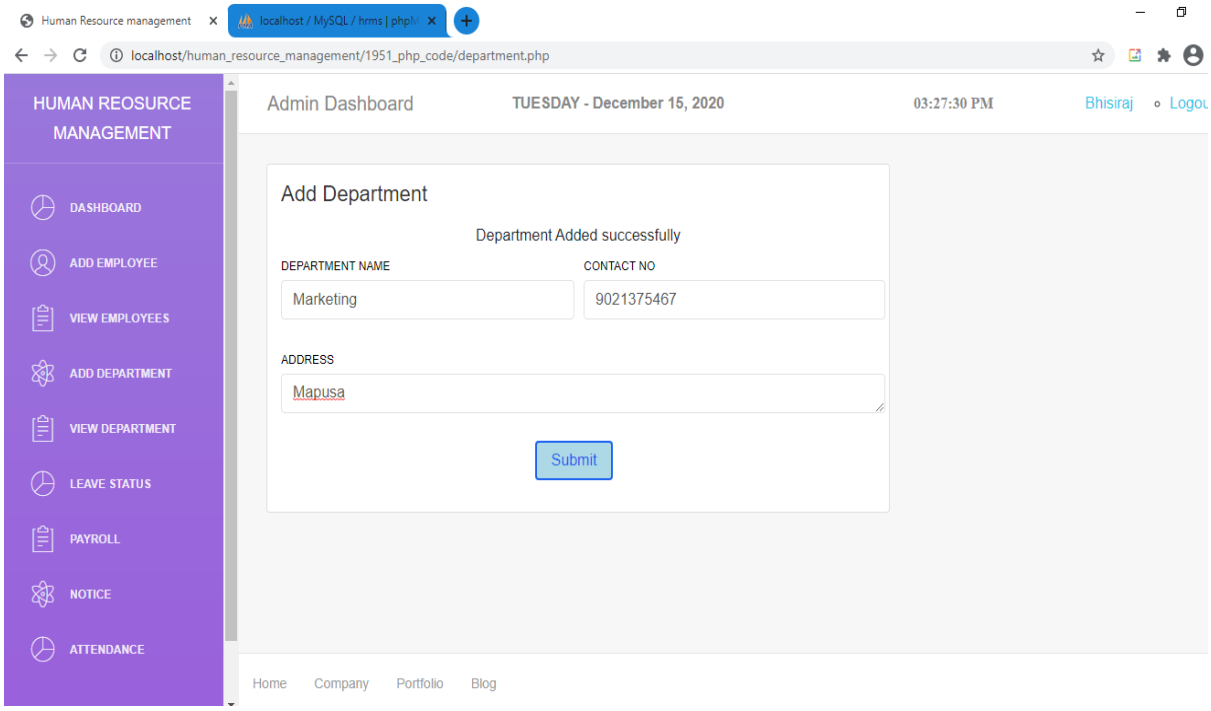




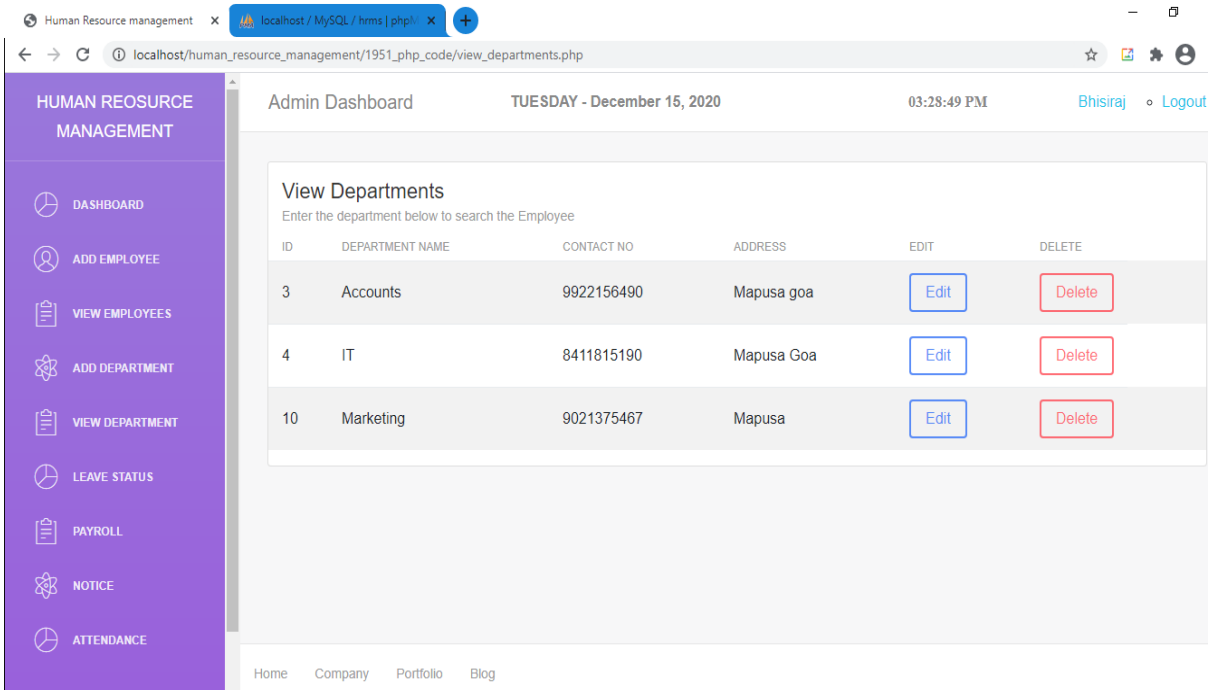
Following Screenshot shows the leave amount deduction per day of employee.



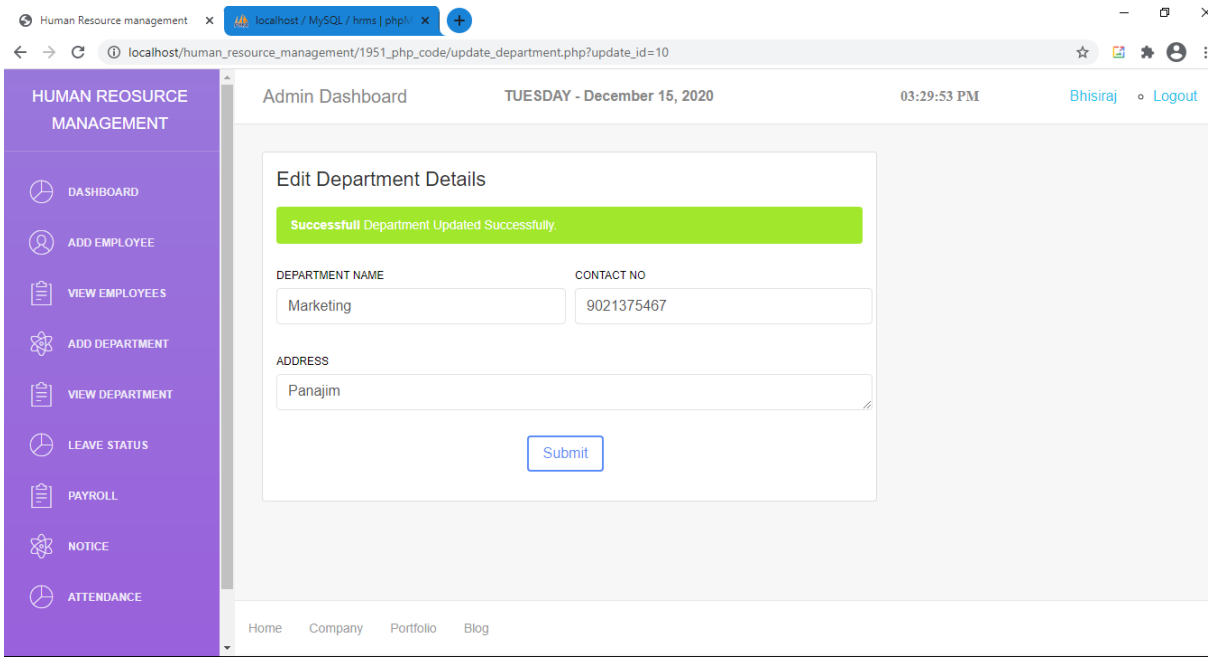
Following Screenshot Shows the Add Department page



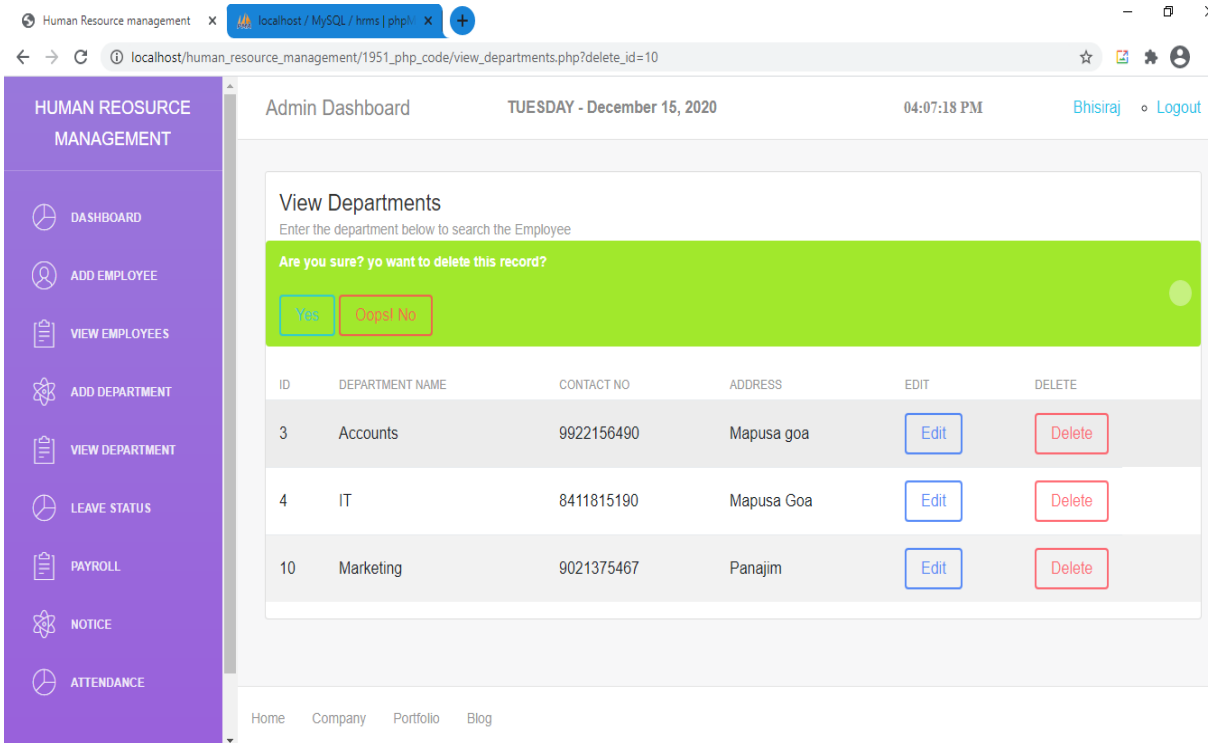
Following Screenshot Shows the View Departments page

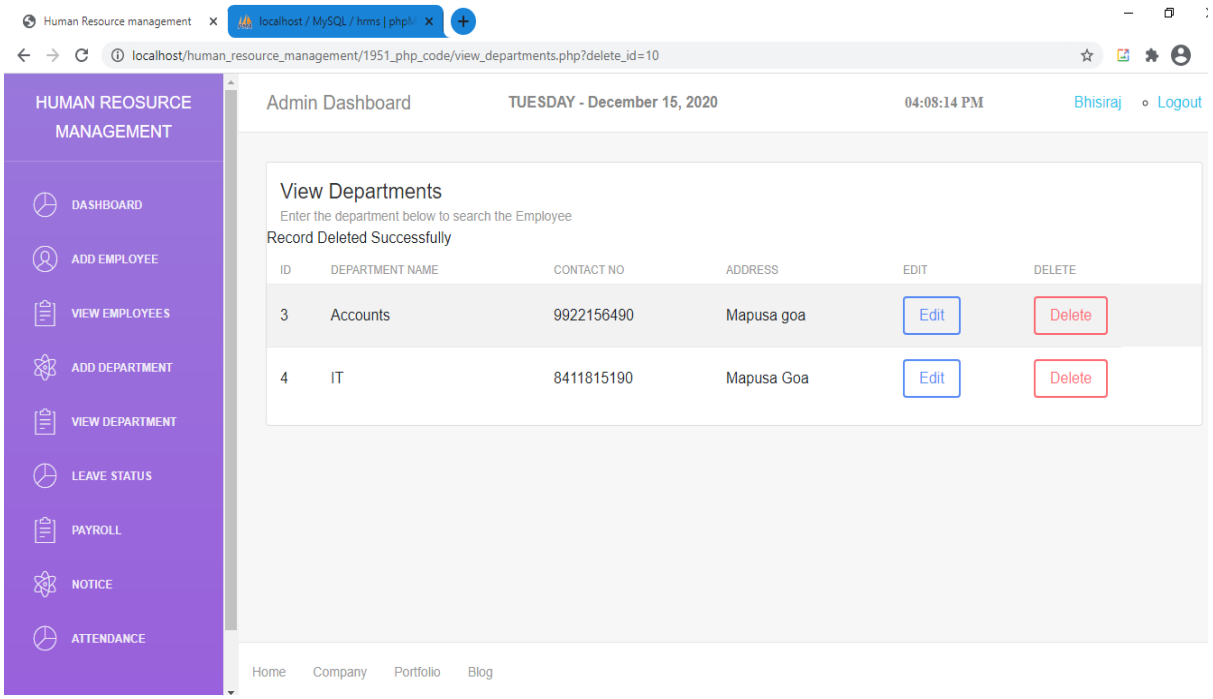


Following Screenshot Shows the Edit Departments page

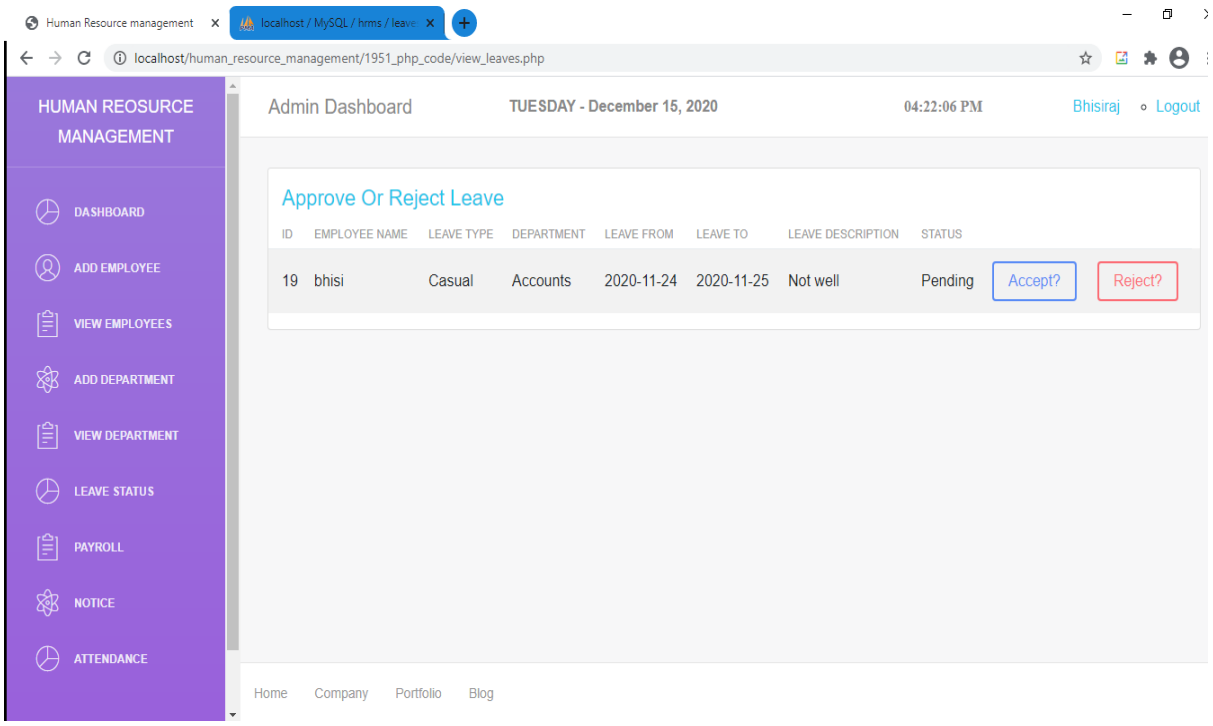


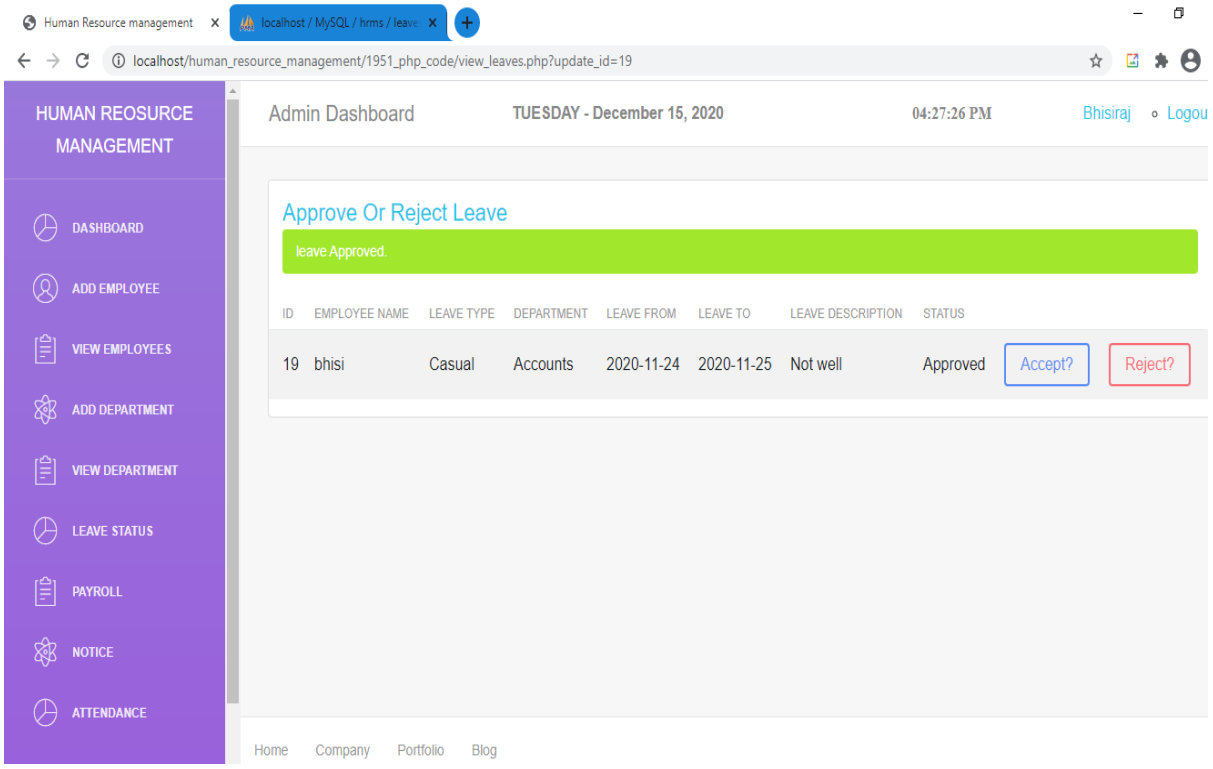
Following Screenshot Shows the delete Department



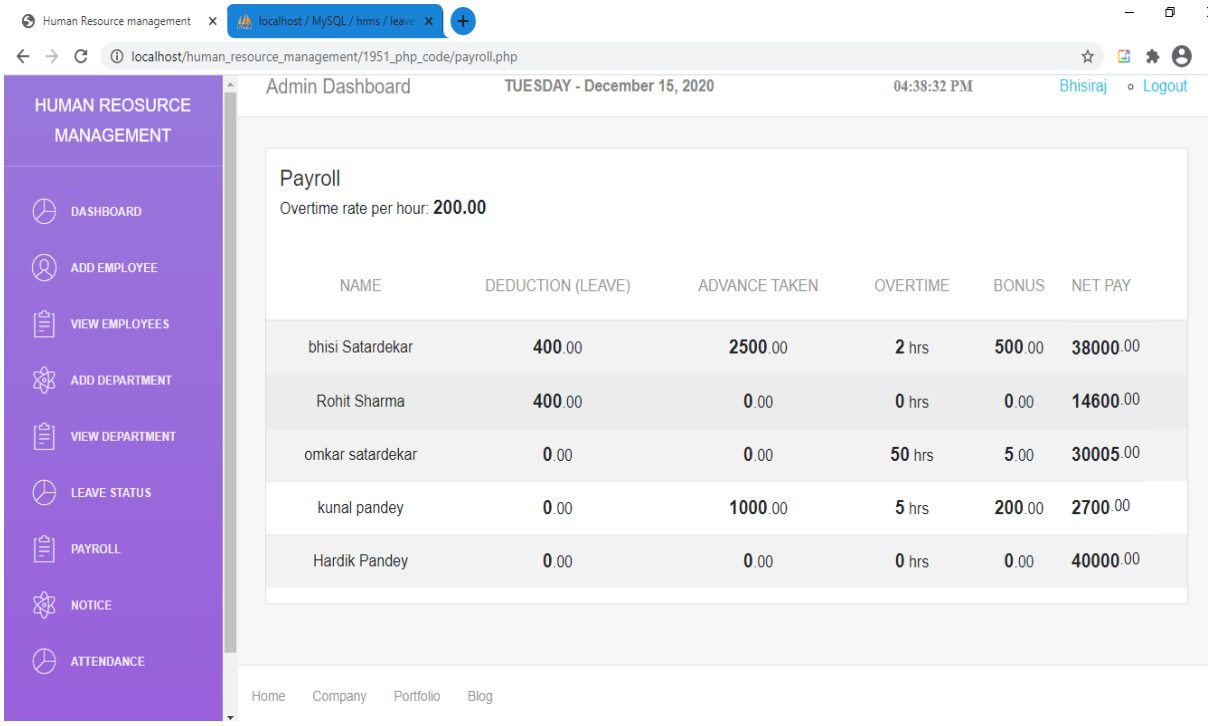


Following Screenshot Shows how Admin approves the leave of employees

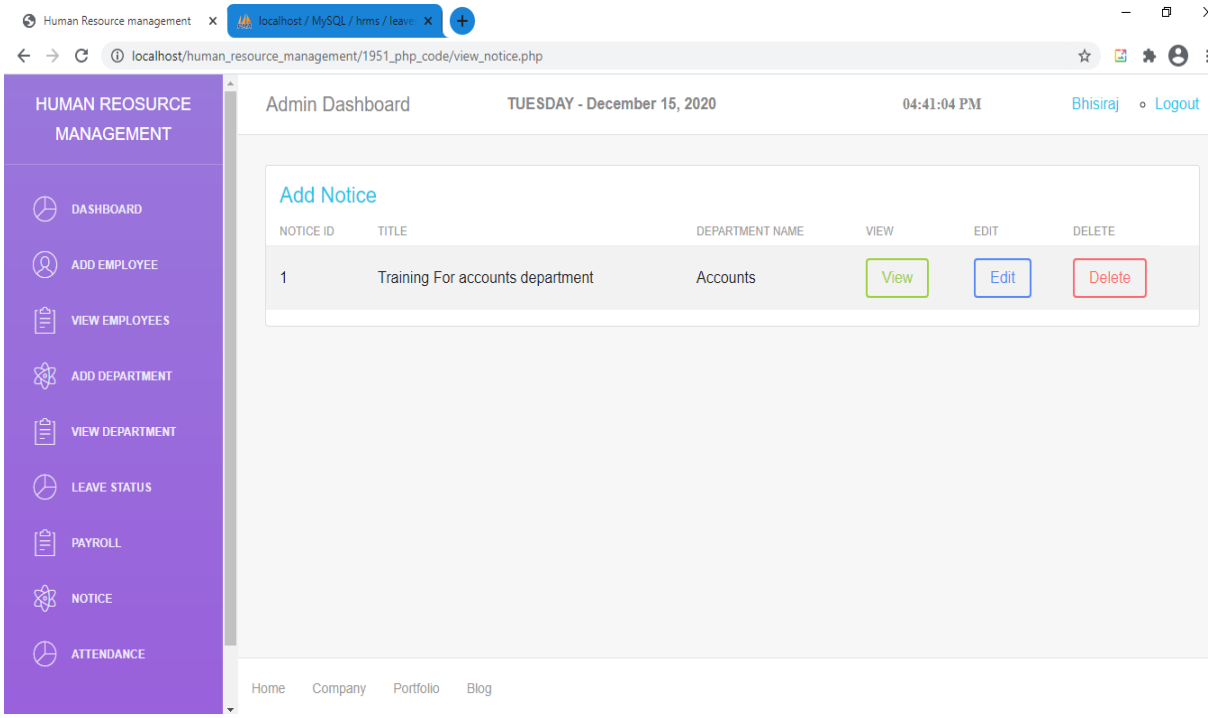




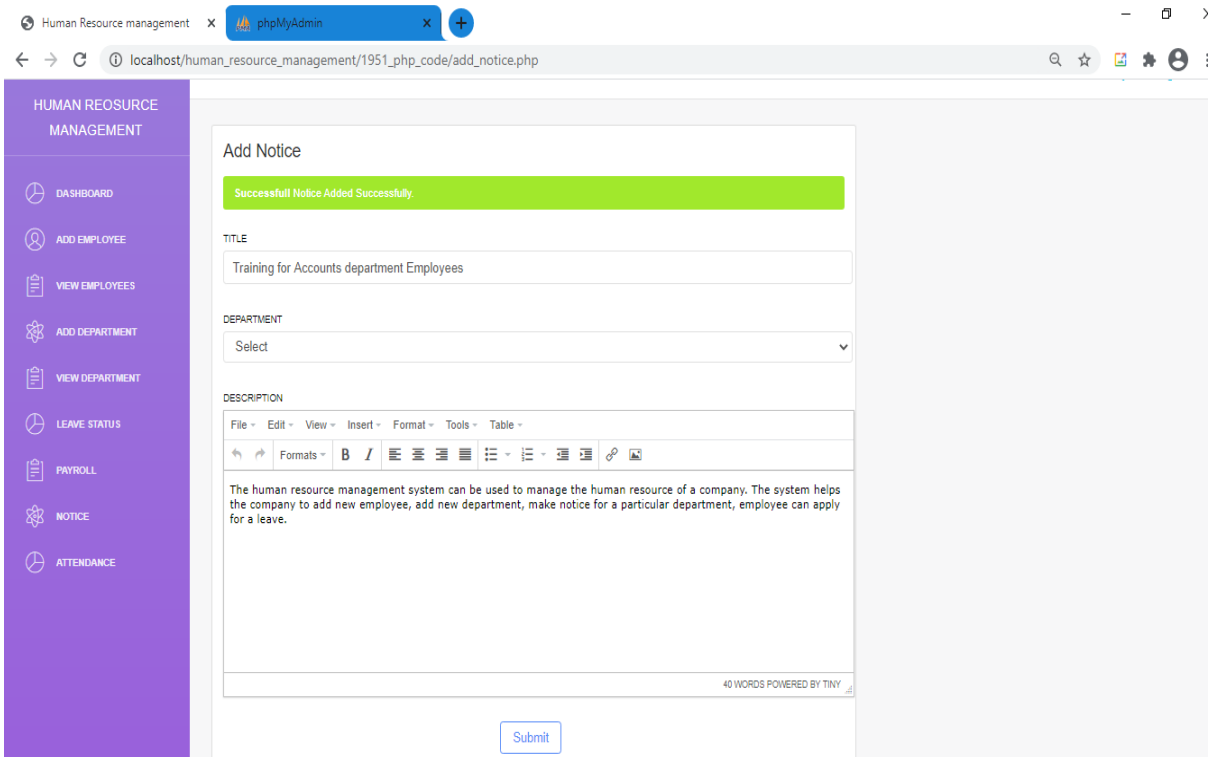
Following Screenshot displays the payroll details of all Employees



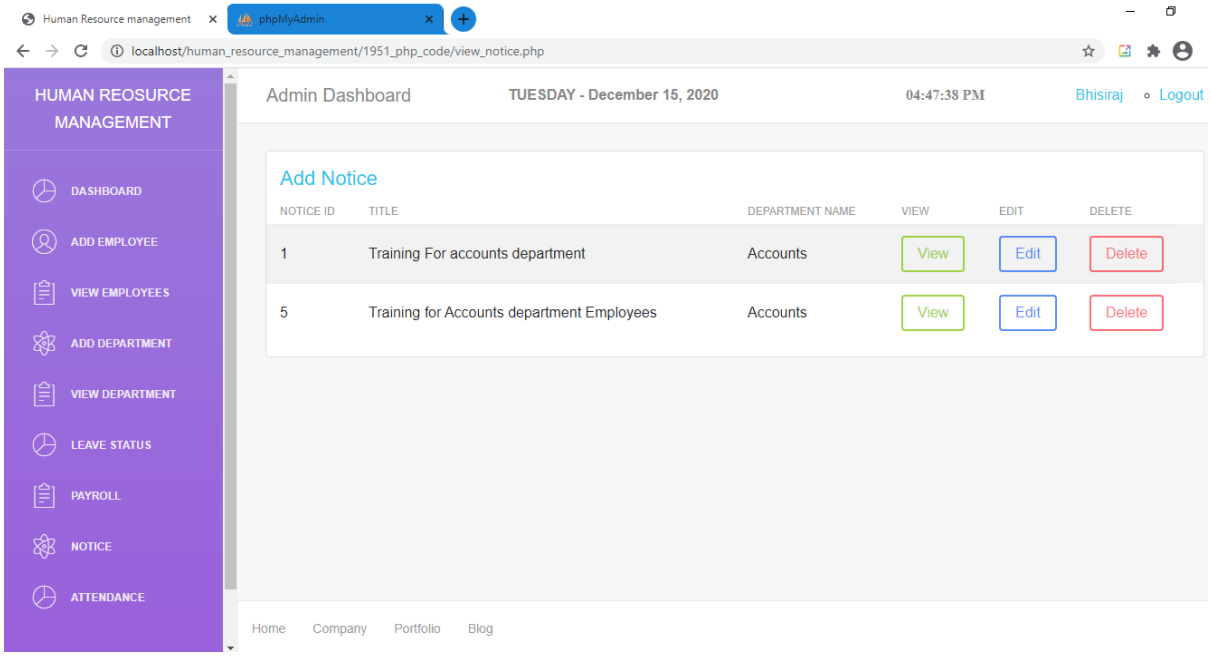
Following Screenshot displays all the Notices Added by the Admin



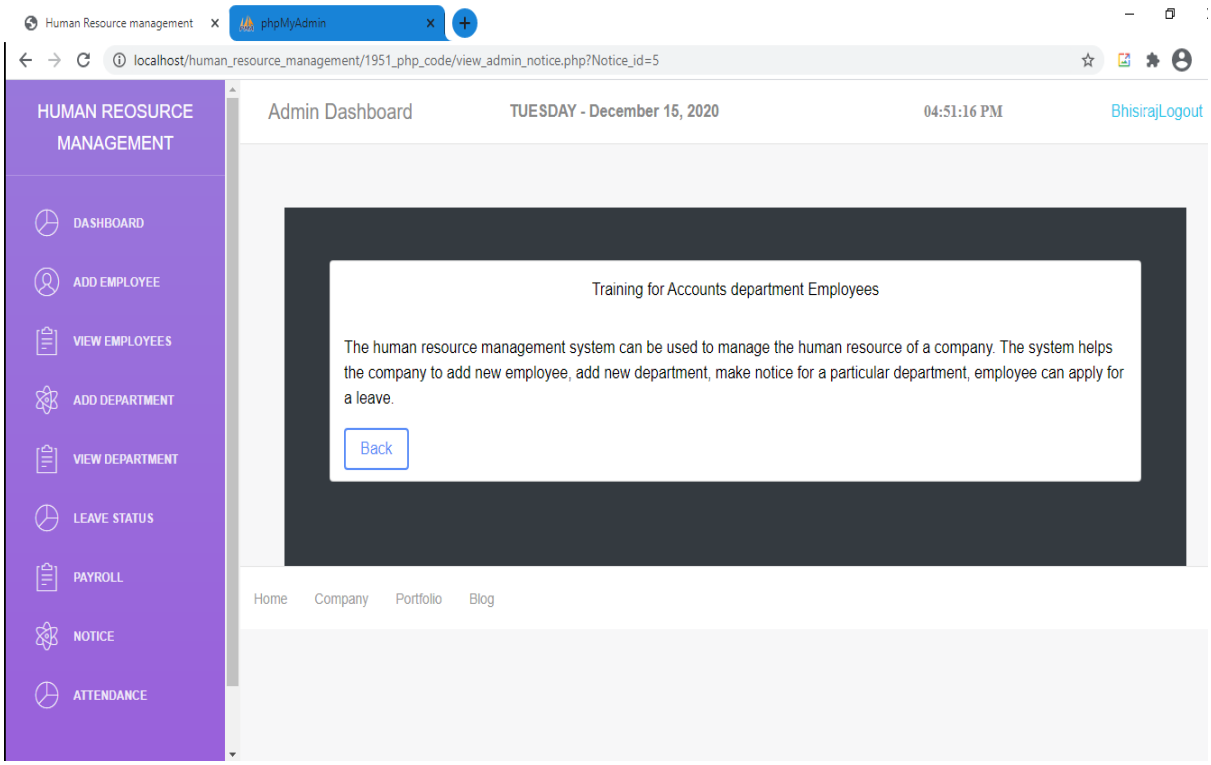
Following Screenshot shows how to add new Notices



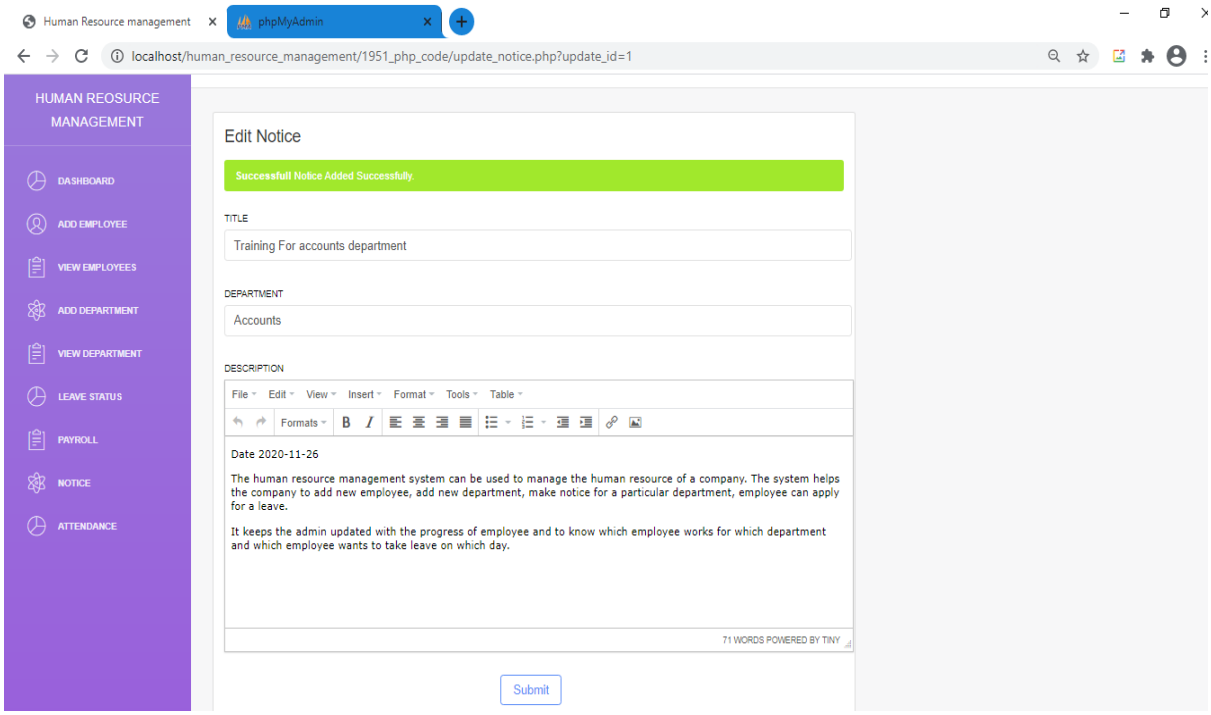
Following Screenshot displays all the Notices Added by the Admin



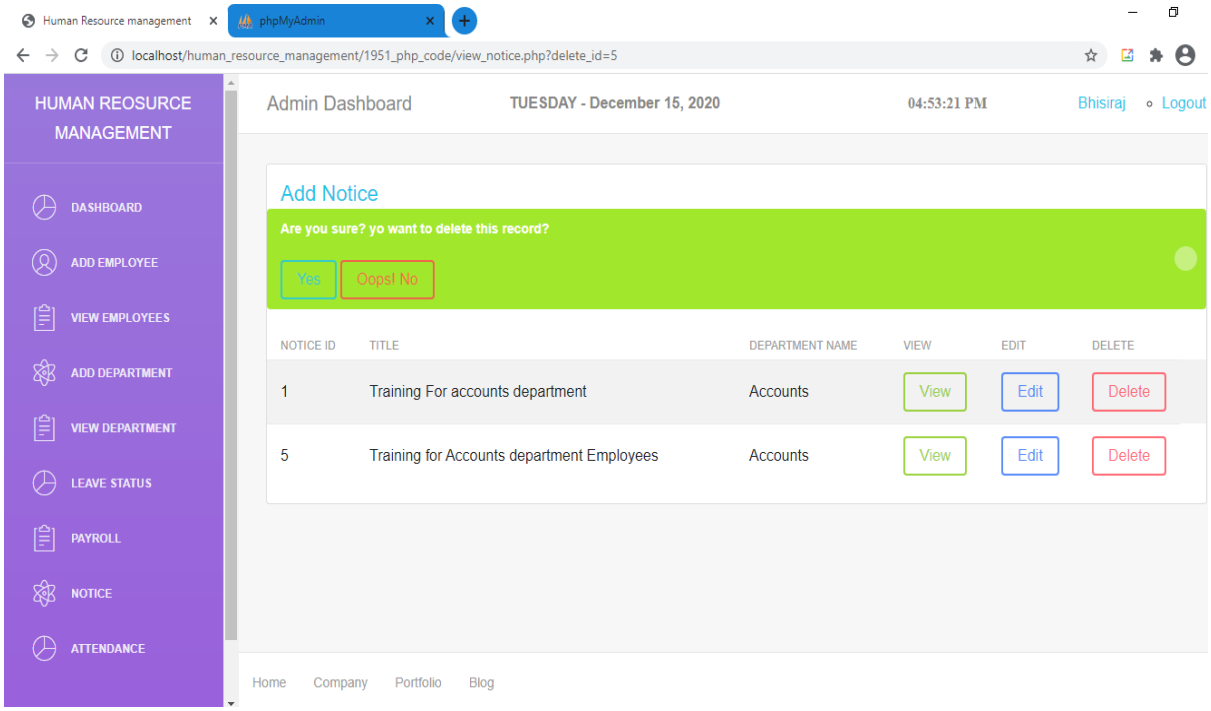
Following Screenshot displays the Notice Viewed by the Admin

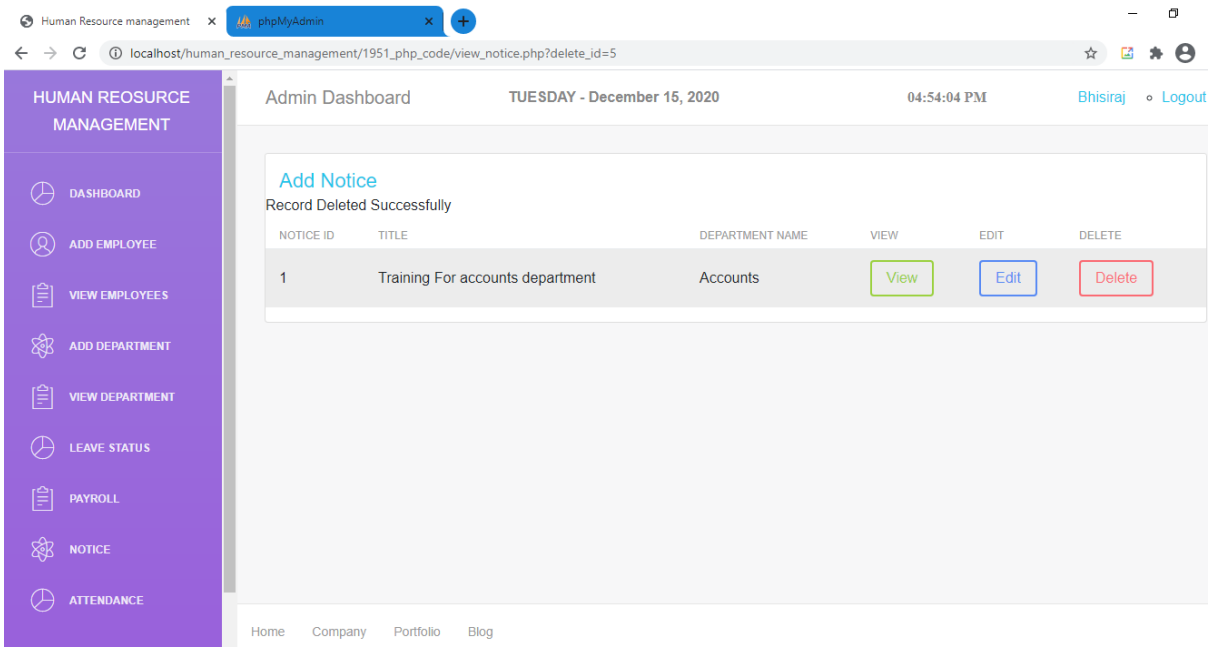


Following Screenshot displays the Notice Edited by the Admin

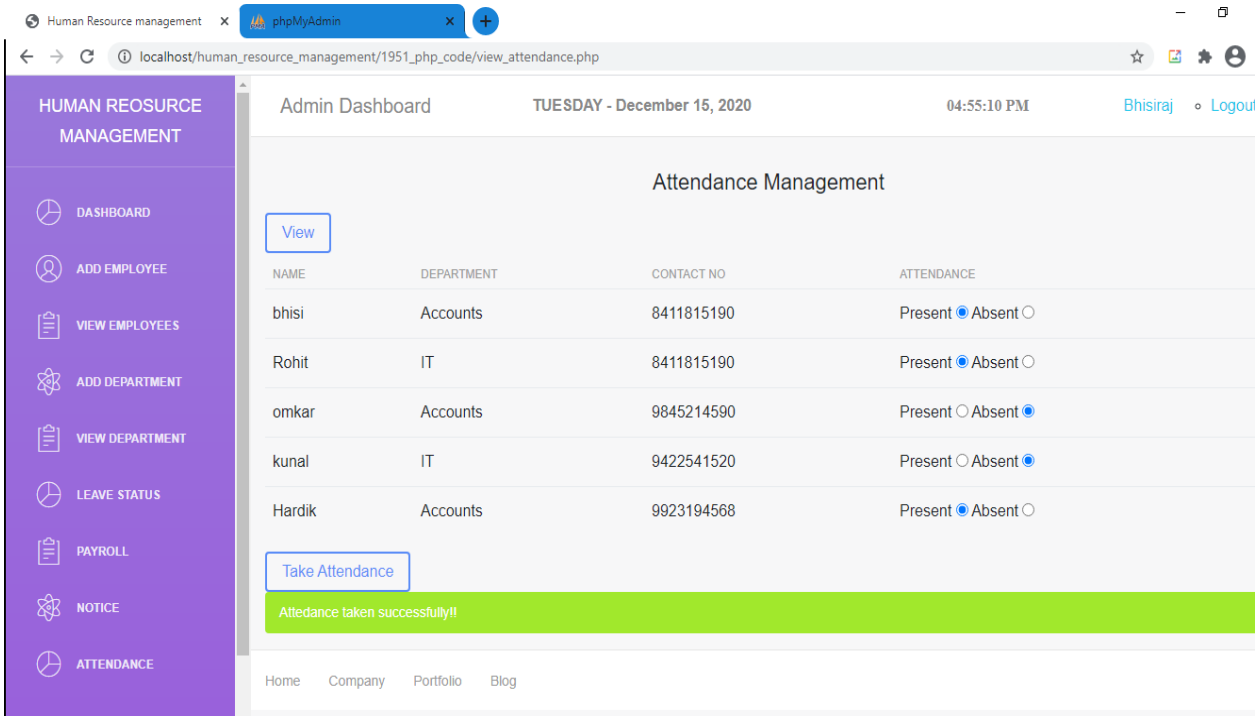


Following Screenshot displays the Notice Removed by the Admin

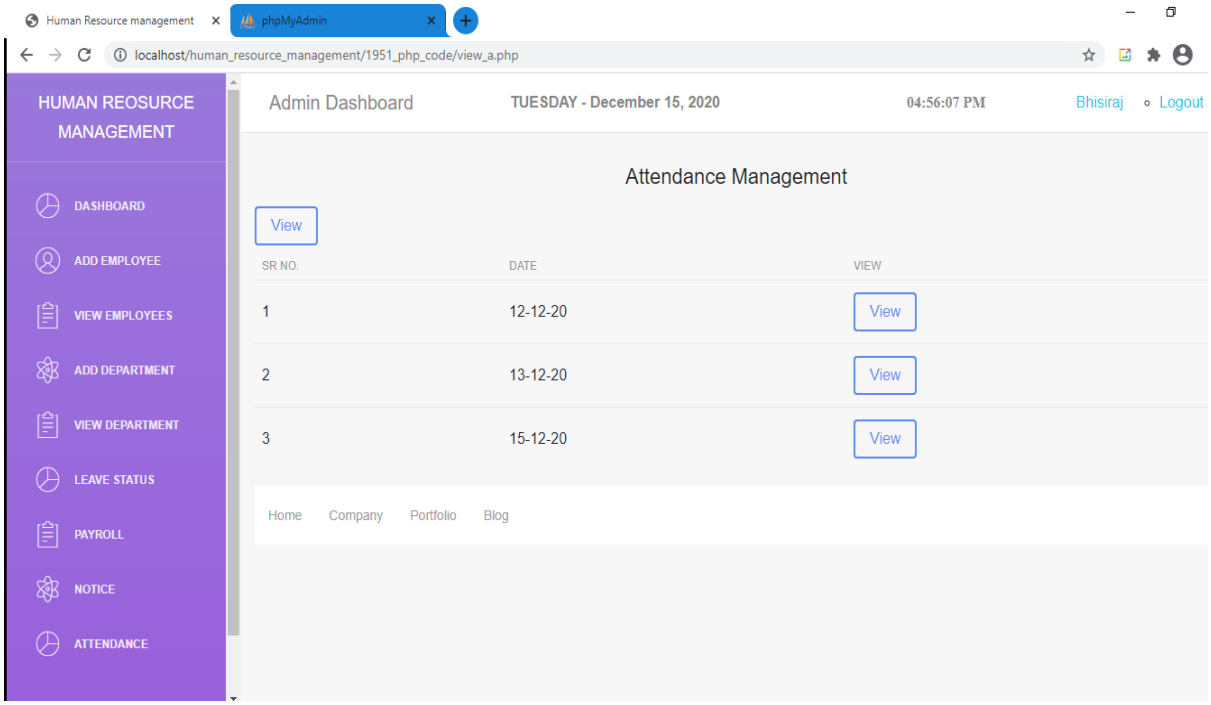


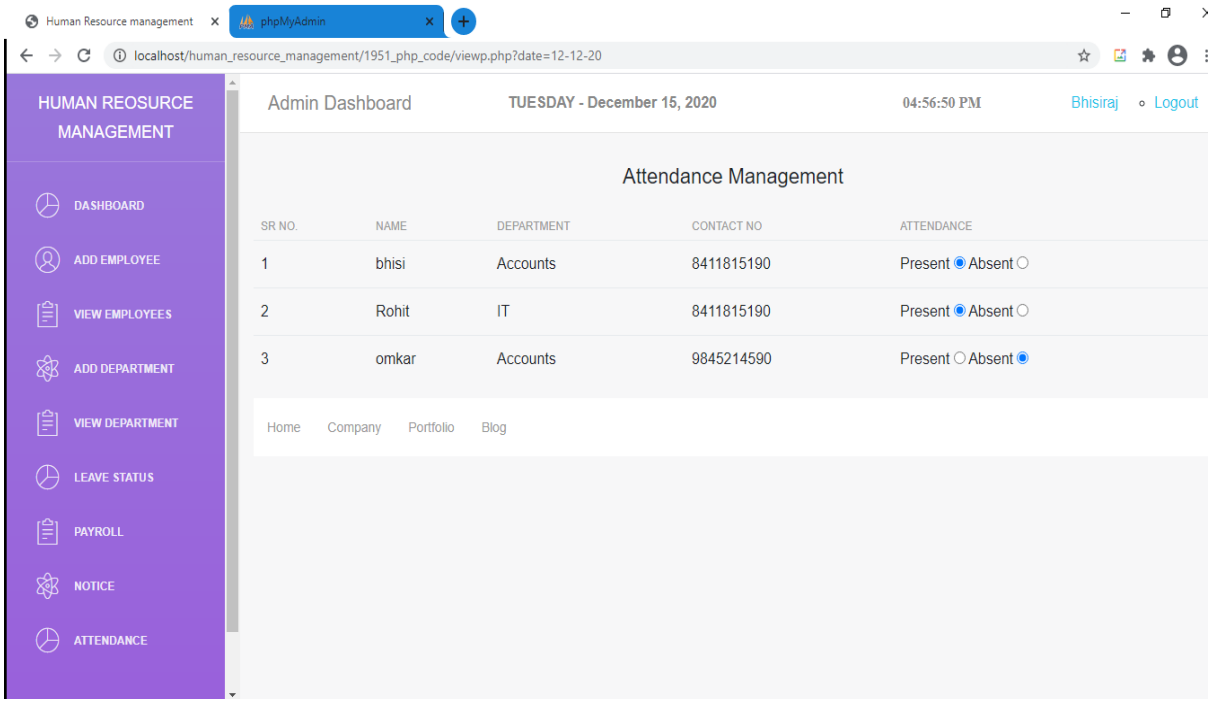


Following Screenshot displays the Attendance page.

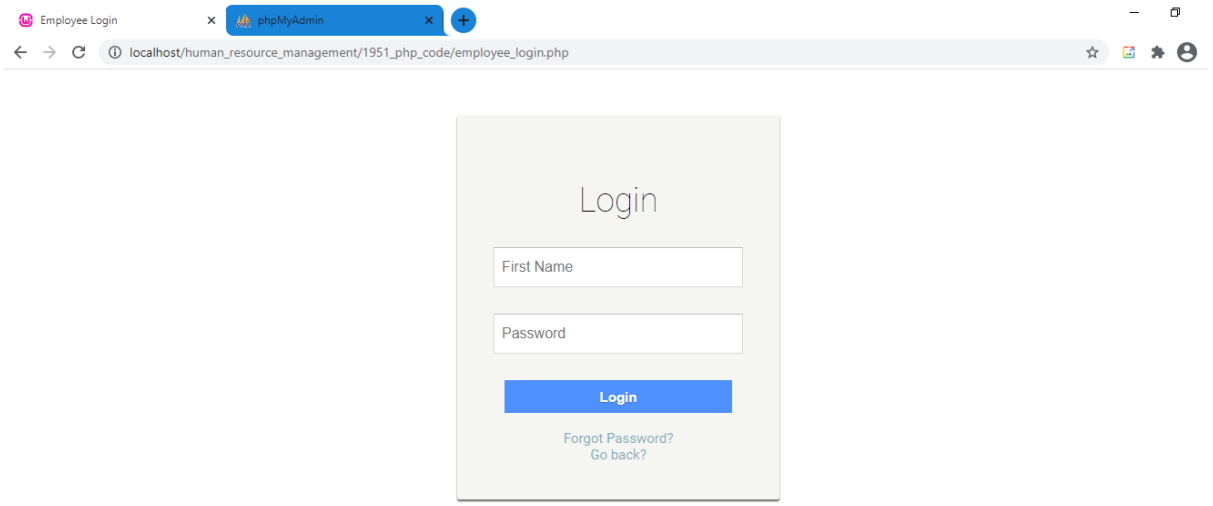


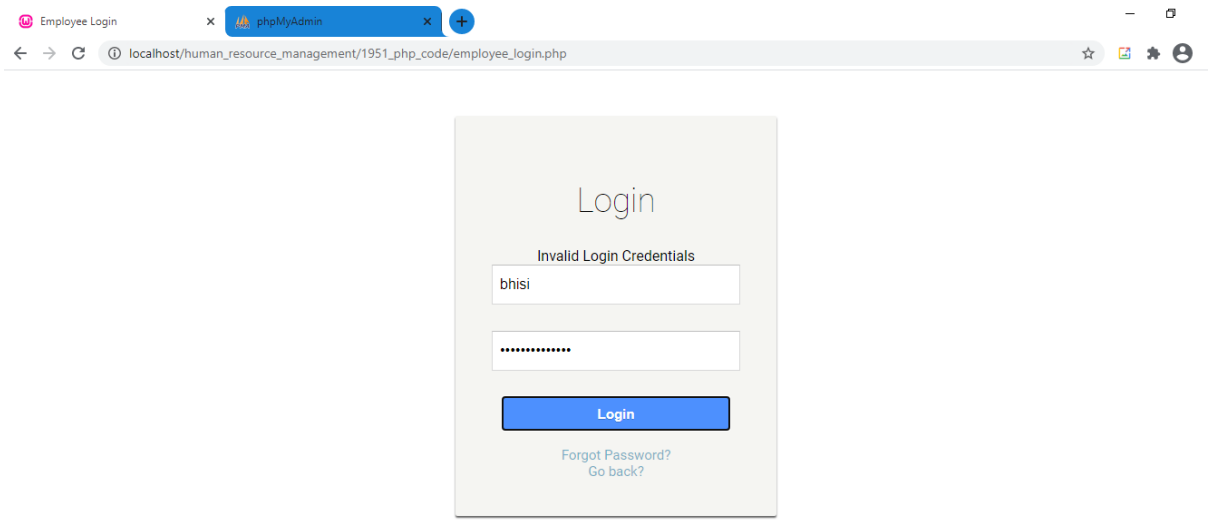
Following Screenshot displays the View Attendance page according to date.



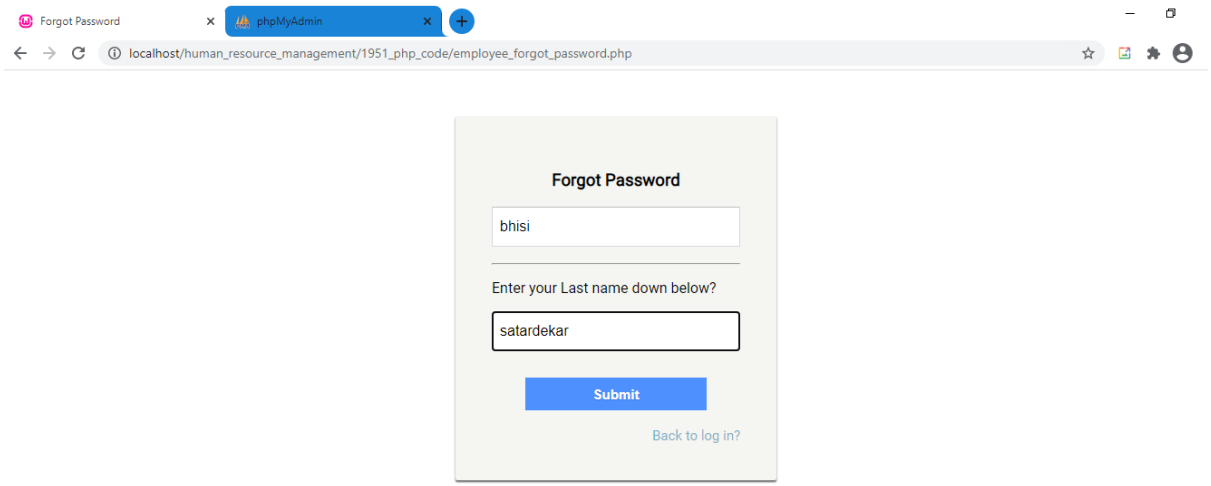


Following Screenshot Shows the Login Page of the Employee

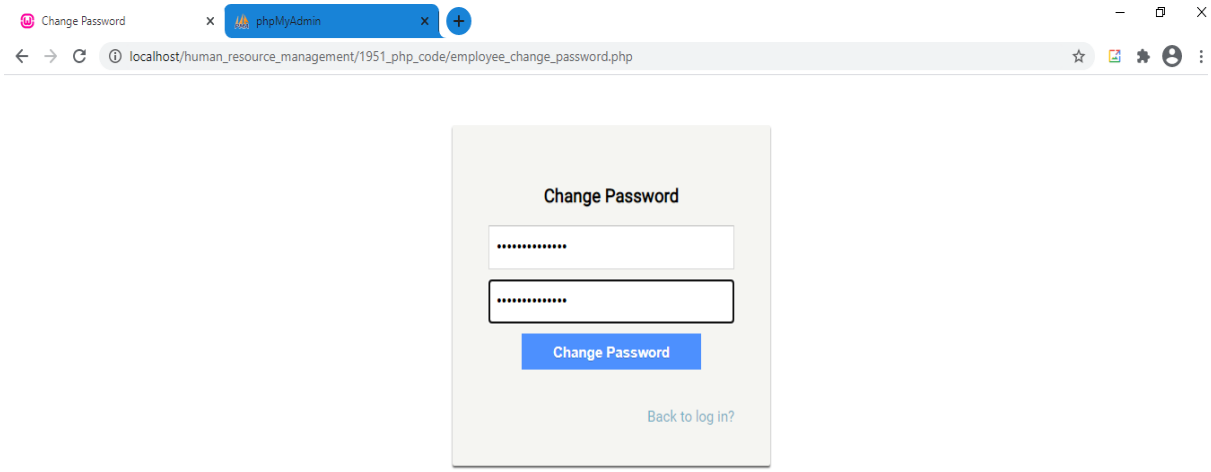


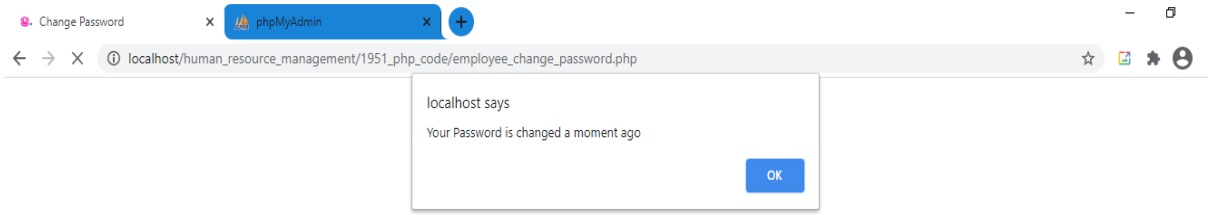


Following Screenshot Shows the Forgot password Page of the Employee

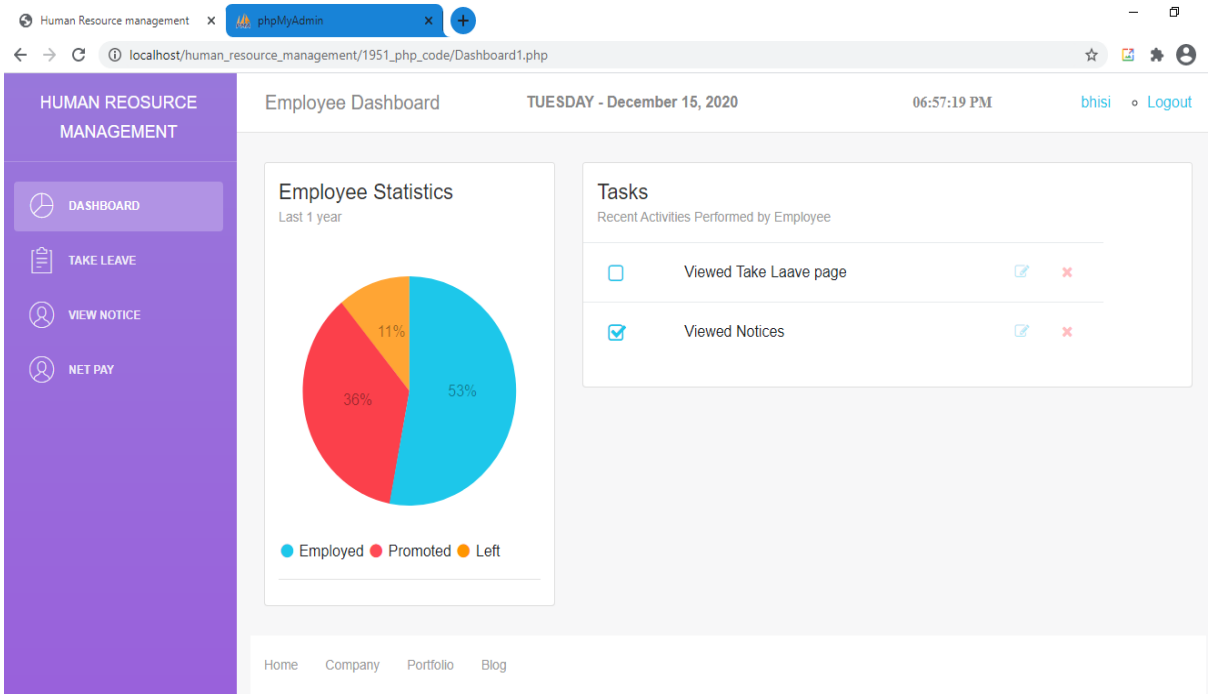


Following Screenshot Shows the Change password Page of the Employee

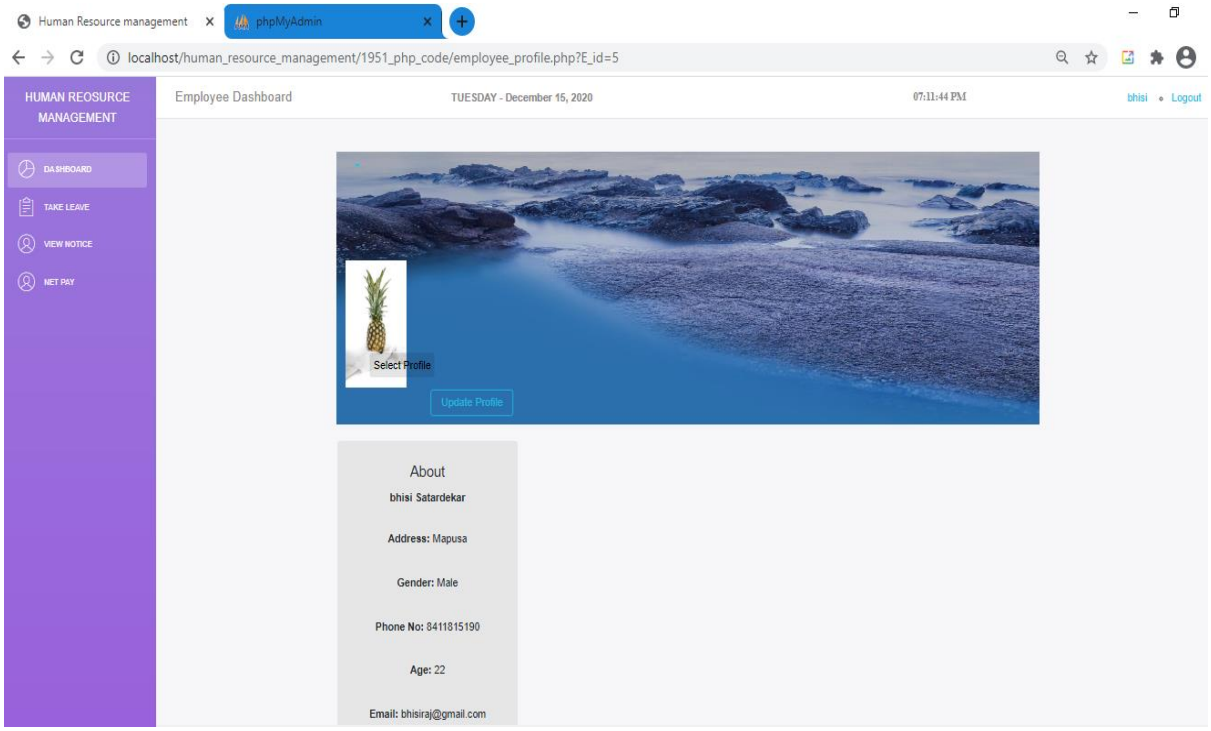




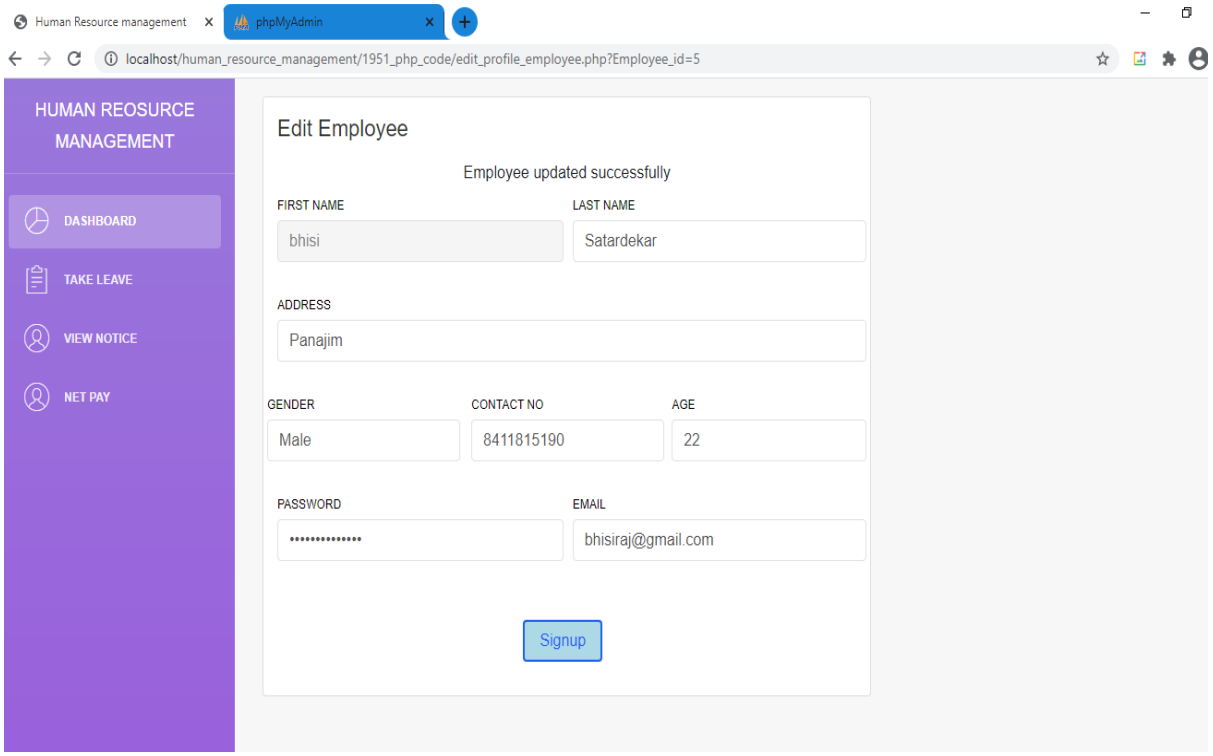
Following Screenshot Shows the Homepage of Employee



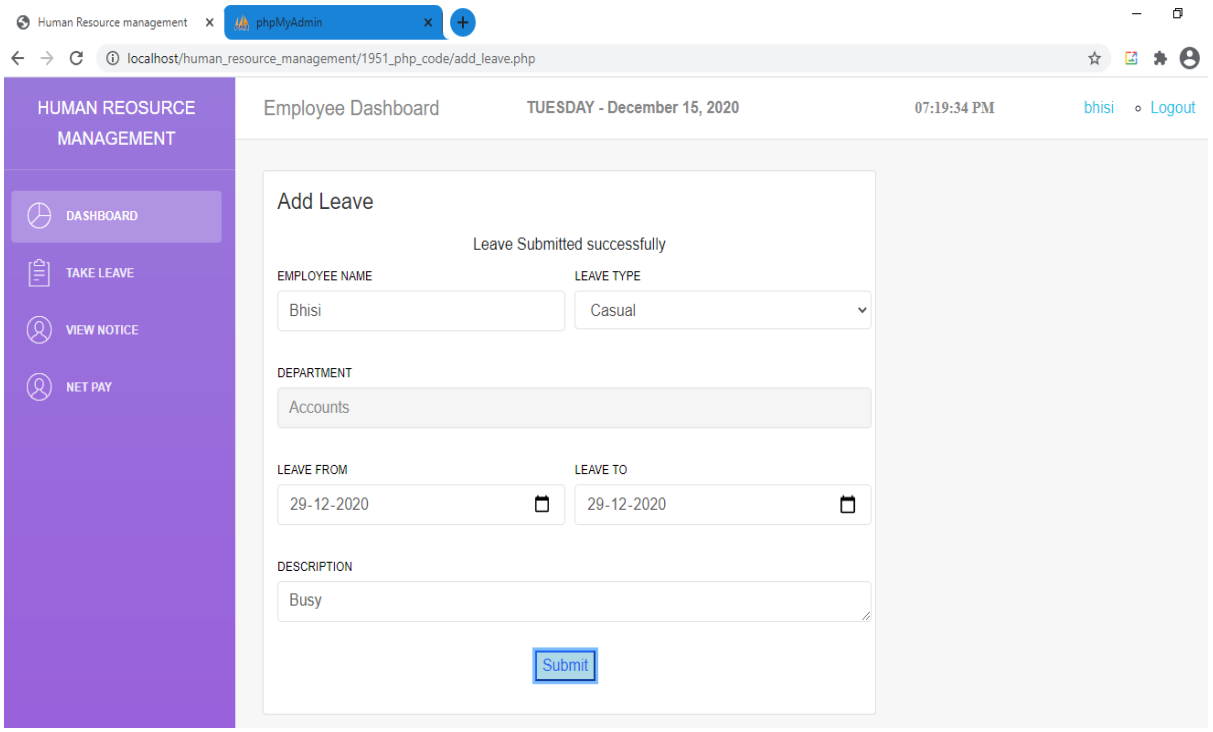
Following Screenshot Shows the Profile page of Employee



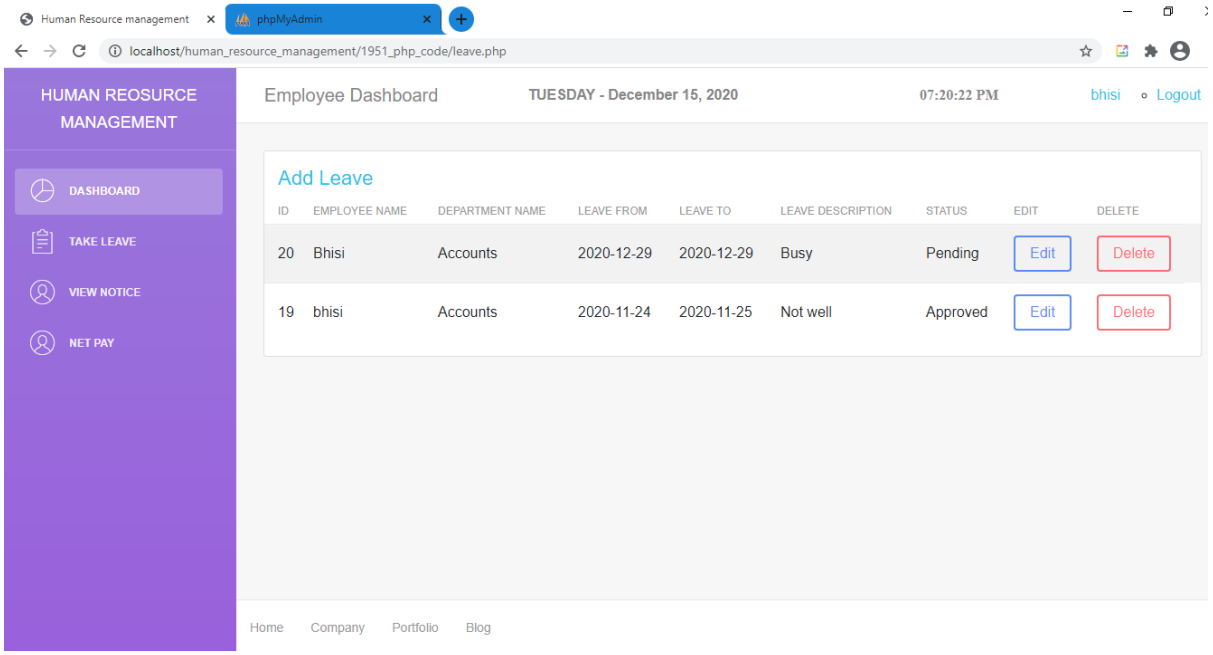
Following Screenshot Shows the Edit Profile page of Employee



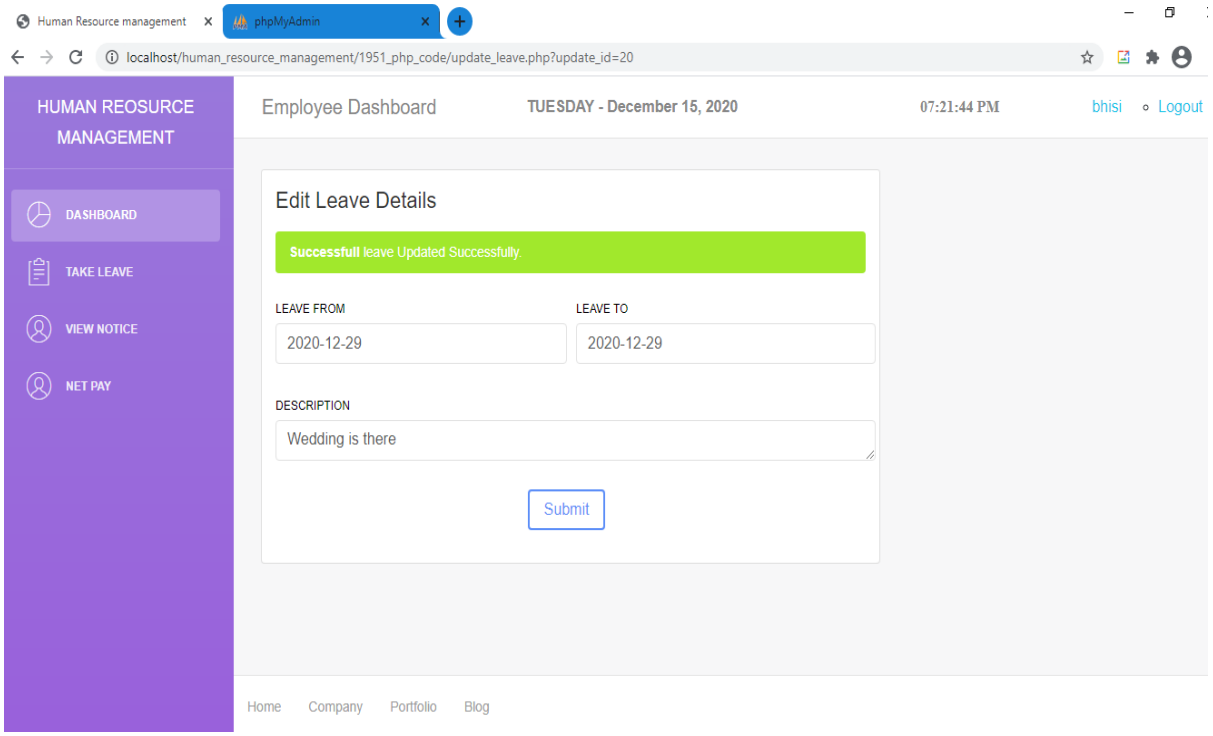
Following Screenshot Shows the Add Leave page of Employee



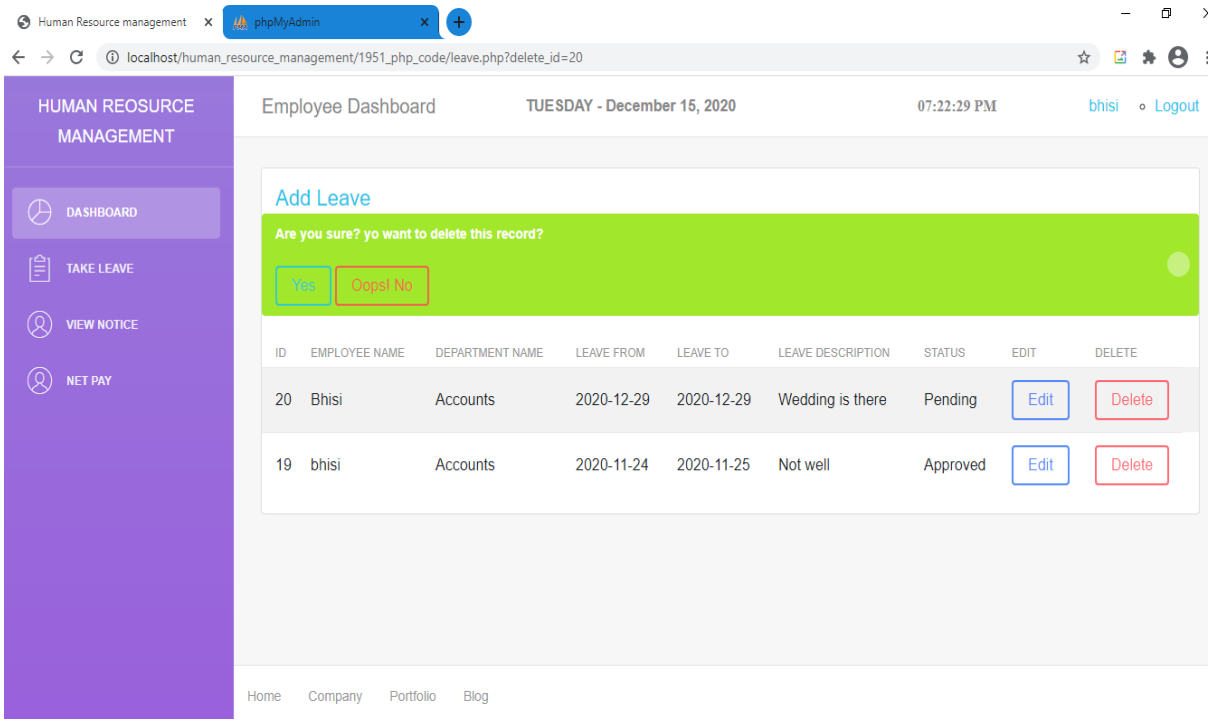
Following Screenshot shows all the Leave applied by the Employee

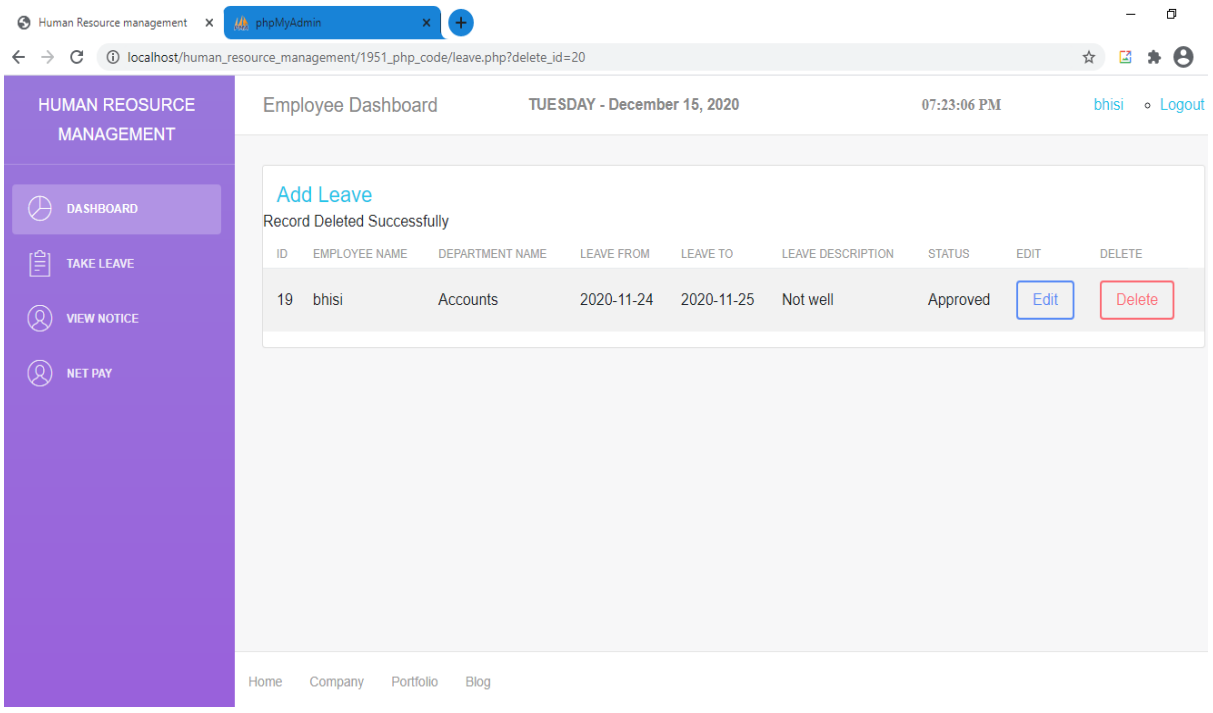


In the following Screenshot the employee can edit the leave details of only those leaves whose status is pending.

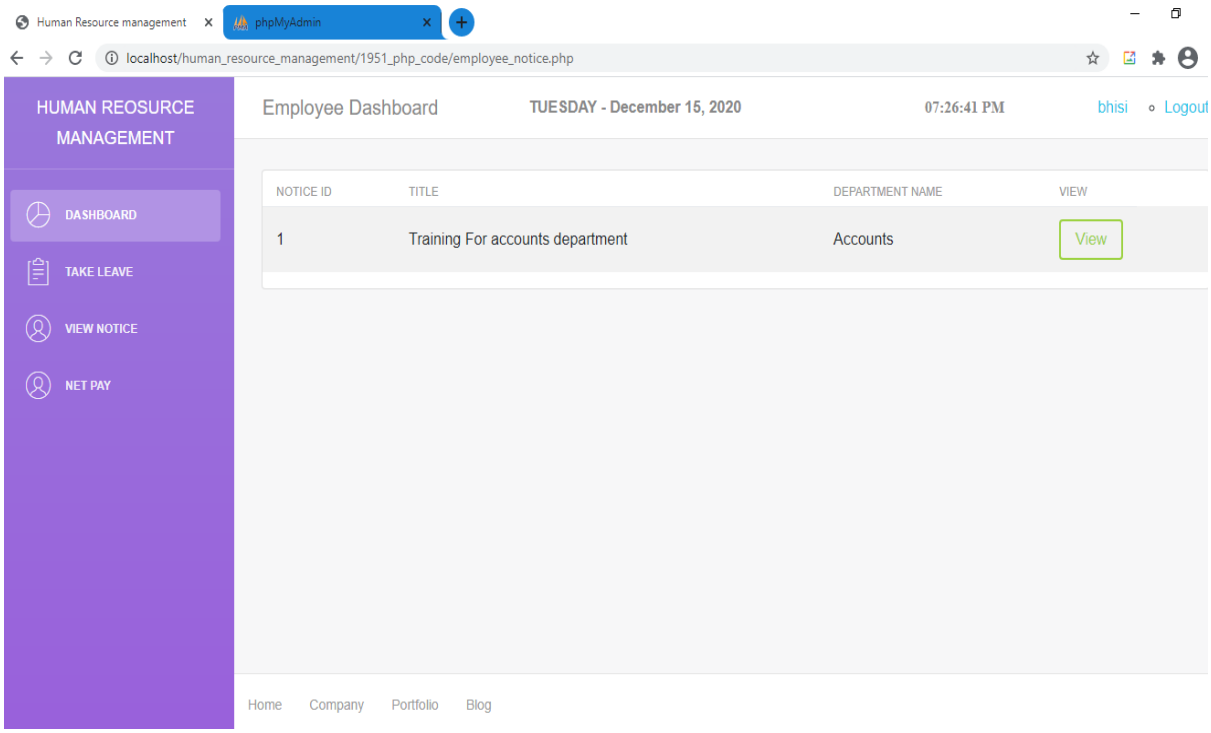


In the following Screenshot the employee can delete the leave details of only those leaves whose status is pending.

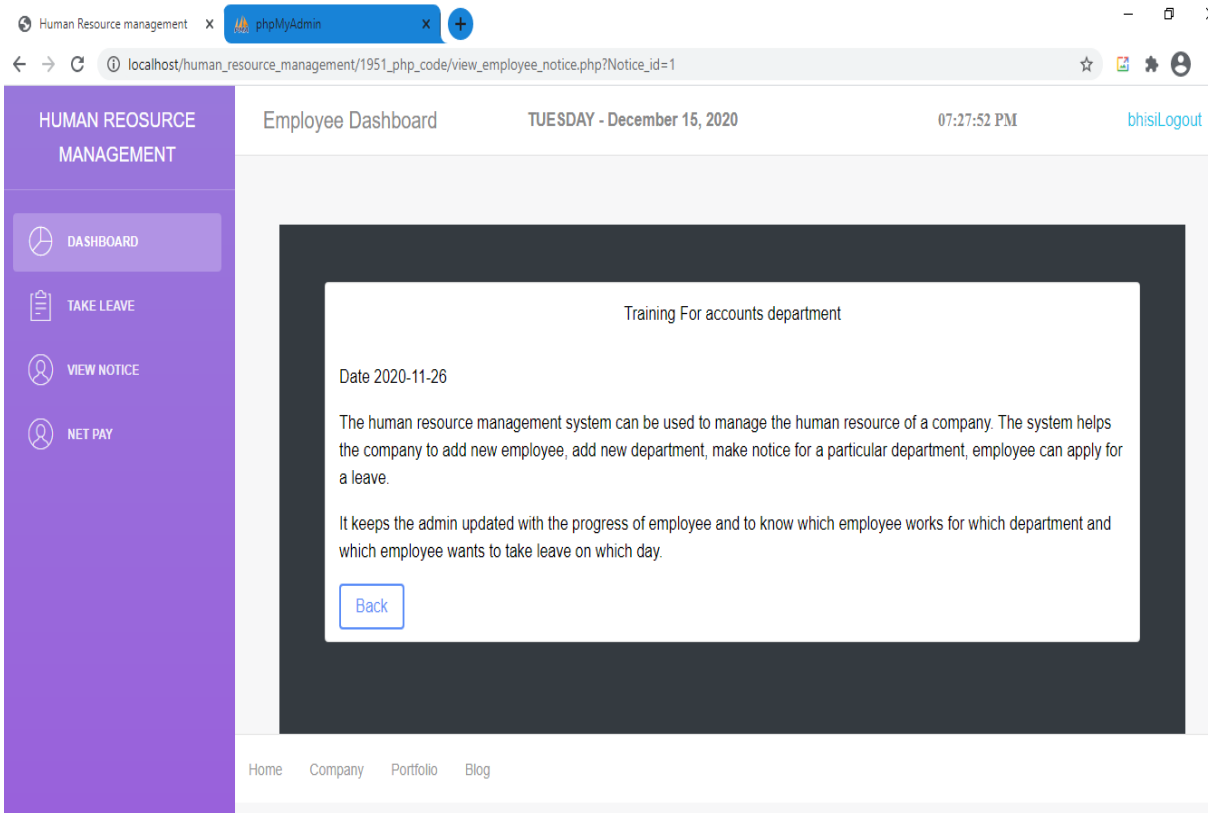




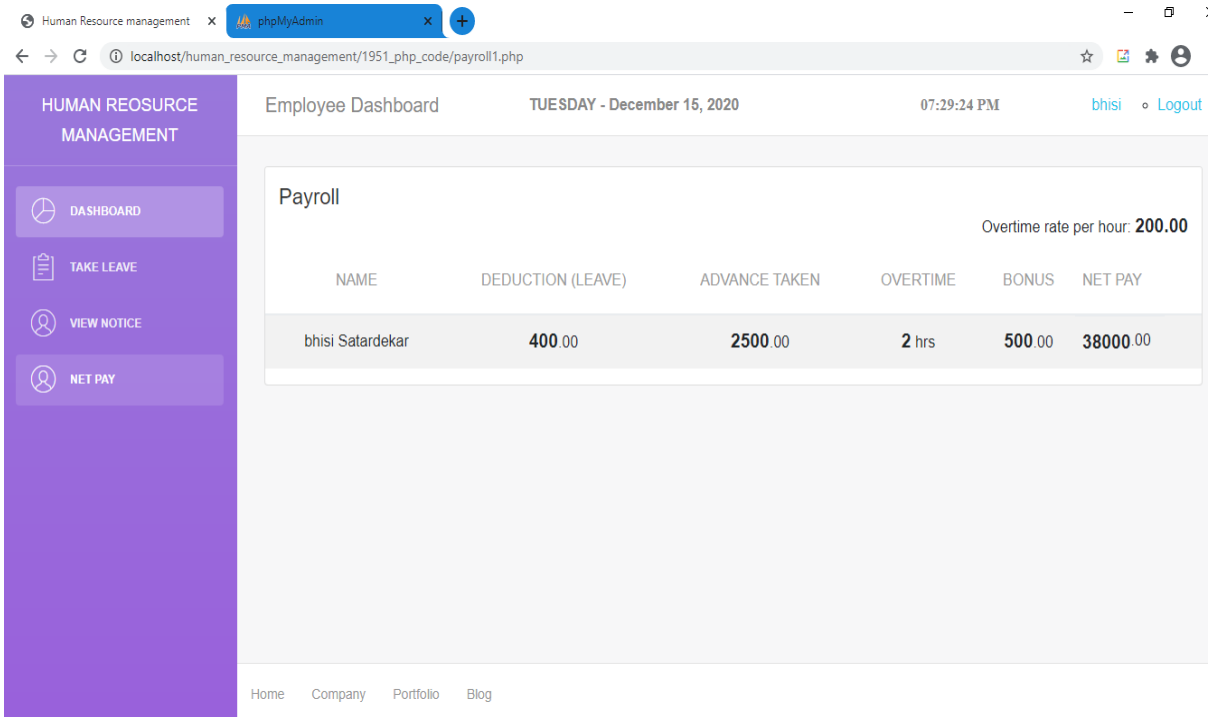
Following Screenshot displays all the Notices send by the admin



Following Screenshot displays the Notice viewed by the employee



Following Screenshot displays the Payroll details of the employee



RESULT

Using this application the Admin and Employees will be able to see different reports with the data available and inserted by the admin. With the data

1. Employee's will be able to see whether their leave applied is Approved or rejected by the Admin.
2. Employees will be able to see all their total salary details that is to be paid to them after deductions, overtime, bonus etc. On the other side
3. Admin will be able to see all the Employees who joined their organisation.
4. Admin will be able to take the attendance of employees every day and afterwards all the admins will be able to see employees who were present or absent on that particular day by selecting the date.