

EMPLOYEE MANAGEMENT SYSTEM

# EMPLOYEE MANAGEMENT SYSTEM

A project submitted to

**UKA TARSADIA UNIVERSITY**

In partial fulfillment of the requirements for the degree of

**Bachelors of Science**

in

**Information Technology**

for

**5 Years Integrated M.Sc. (IT)**

By

**Abhishek Choksi**

**(201906100110032)**



**Babu Madhav Institute of Information Technology  
Uka Tarsadia University  
Bardoli - 394350  
2020**

201906100110032

## EMPLOYEE MANAGEMENT SYSTEM

### Table of Content

Chapters	Particulars	Page No.
1	<b>Introduction</b>	
	1.1 Problem definition 1.2 Project Objective 1.3 Project scope	
2	<b>System specific requirements</b>	
	2.1 Functional requirement 2.2 User characteristic	
3	<b>System Analysis</b>	
	3.1 Questionnaires 3.2 Data Flow Diagram 3.2.1 Context level DFD 3.2.2 Zero level DFD 3.2.3 First level DFD (Any 2 major process)	
4	<b>System Design</b>	
	4.1 Input Form (4 major process) 4.2 Output form (4 major process)	

# CHAPTER 3

## INTRODUCTION

### 1.1 Problem definition

Manual handling of employee information poses a number of challenges. The use of paper work in handling some of these processes could lead to human error, papers may end up in the wrong hands and not forgetting the fact that this is time consuming. Another challenge is that multi-national companies will have all the employee information stored at the headquarters of the company making it difficult to access the employee information from remote places when needed at short notice.

An employee management system managed the status of the employee, the educational background and the work experience in order to help monitor the performance and achievements of the employee through a password protected system.

### 1.1 Project Objective

- Develop a well-designed database to store employee information.
- Time and cost can be reduced by using the system.
- A user friendly front-end for the user to interact with the system.
- Easy retrieval of employee information.
- Ability to sort employee queries by departments.
- Remove details of employees no longer working in the organization.

### 1.3 Project scope

- Only people in the company can use the system.
- Employees will have access to their personal profiles and will be able to edit.
- The HR manager to accept/reject leave application through the system.
- The admin will add an employee and a default password and employee id will be generated and sent to the new employee's email.
- The HR manager will then have the ability to add an employee's information to the database

# CHAPTER 4

## System specific requirements

### 2.1 Functional requirement

- Registration
- Authentication
  - Login
  - Logout
  - Login failure
- Authorization
- User Access Data
  - Display
  - Edit
  - Search
  - Update authentication
- Leave Application/Approval
  - Leave application
  - Leave approval
  - Leave days accrued
- Recruitment
  - Add new employee
  - Add new user
- Report generation
- Project Management
  - Create project team
  - Work Breakdown Structure (WBS)
- Trainings and Task Management

### 2.2 User characteristic

- Admin
- Employee (could be lecturers, accountants, technicians)
- Head of Department (HOD)
- Human Resource (HR)

# CHAPTER 3

## System Analysis

### 3.1 Questionnaires

#### Questionnaires structure: Funnel

Sr. No.	Questionnaires	Question Type
1.	Sir, can you explain me about your company problem?	Open ended
2.	Sir, what is the need of your company?	Open ended
3.	How much budget can your company afford for a website?  I have four types of budgets:  i. Above ₹1,00,000/- ii. Between ₹60,000/- to ₹1,00,000/- iii. Between ₹30,000/- to ₹59,000/-	Scale
4.	Sir, what would you choose from the budget in the chart given?	Probe
5.	Sir, would you mind if you had a little more budget than the one you chose?	Probe
6.	Sir, can I suggest you more?	Bipolar
7.	Sir, is the website you want for permanent use?	Bipolar
8.	Sir, can my website be easily understood by your employee?	Bipolar
9.	Sir, can I show the necessary rules for employees in your company website?	Bipolar
10.	Sir, can you tell me if your company has more information besides the information received from you?	Bipolar
11.	Sir, it will take about 30 days for this website to be ready, do you mind?	Bipolar
12.	Hello sir, how may I help you?	Close ended
13.	Sir, can you tell me which of your staff will use the system you want?	Close ended

## EMPLOYEE MANAGEMENT SYSTEM

14.	Sir, what information would you use to run a website for your company, Will you tell me?	Close ended
15.	Sir, what information would you use for your company's head of department, Will you tell me?	Close ended
16.	Sir, what information would be useful for your company's Human Resource, Will you tell me?	Close ended

# EMPLOYEE MANAGEMENT SYSTEM

## 3.2 Data Flow Diagram

### 3.2.1 Context level DFD

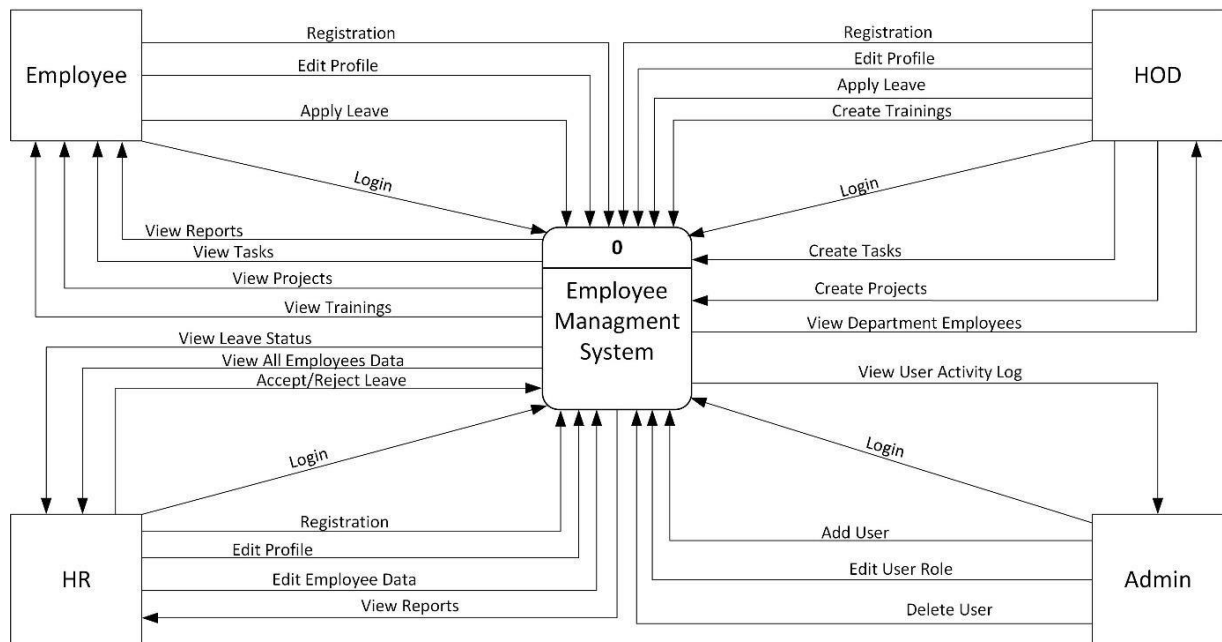


Fig. 3.2.1: Context level DFD

# EMPLOYEE MANAGEMENT SYSTEM

## 3.2.2 Zero level DFD

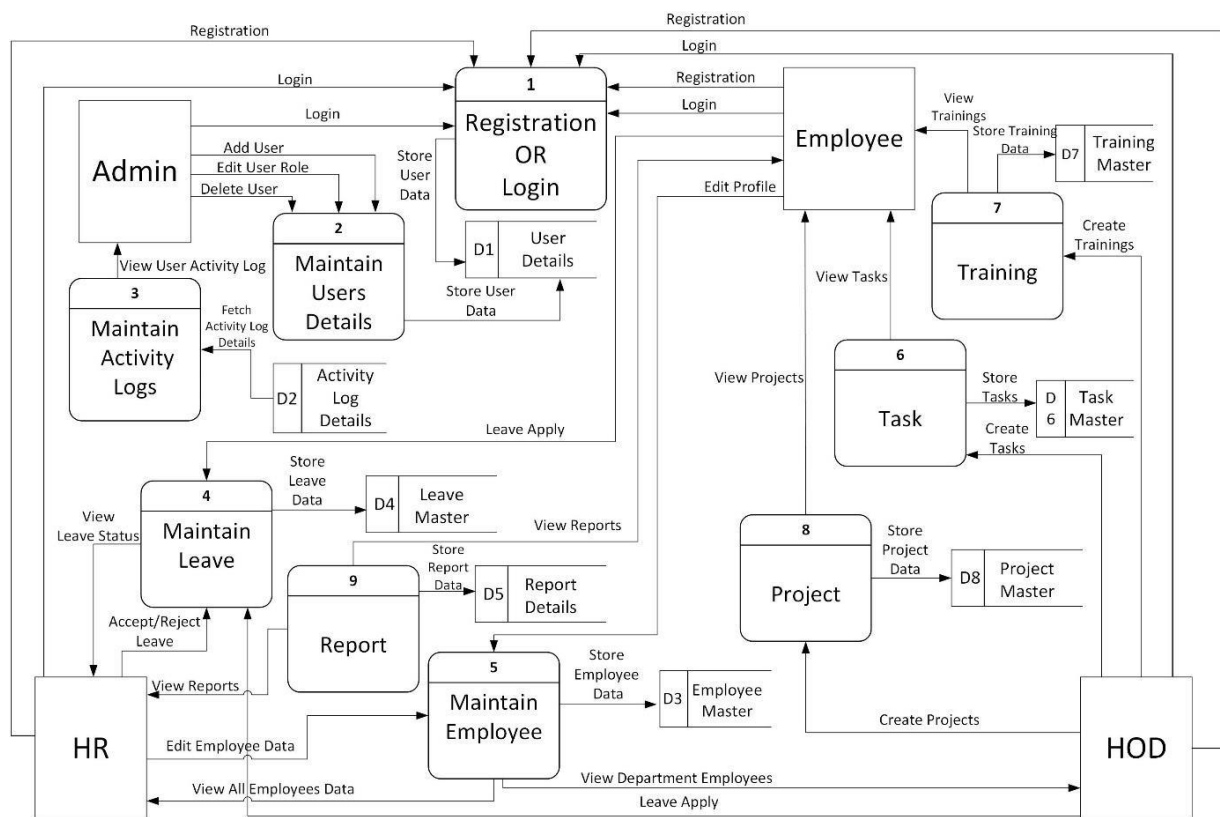
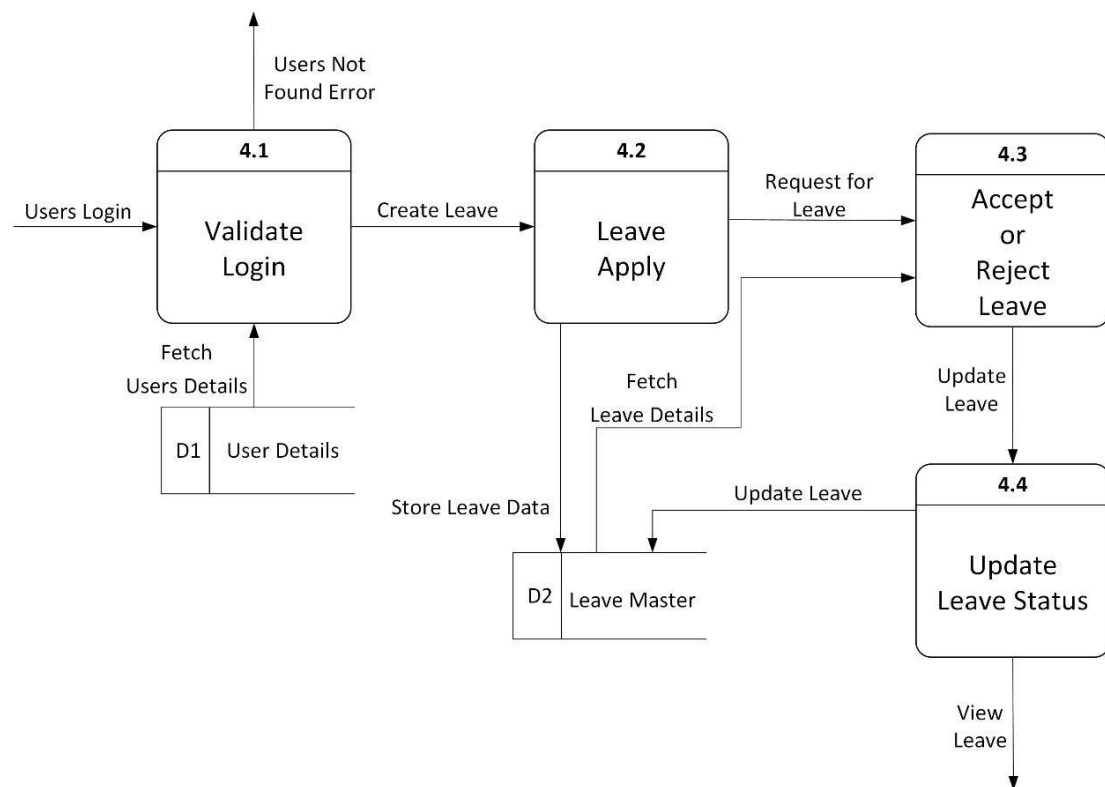


Fig. 3.2.2: Zero level DFD



## EMPLOYEE MANAGEMENT SYSTEM

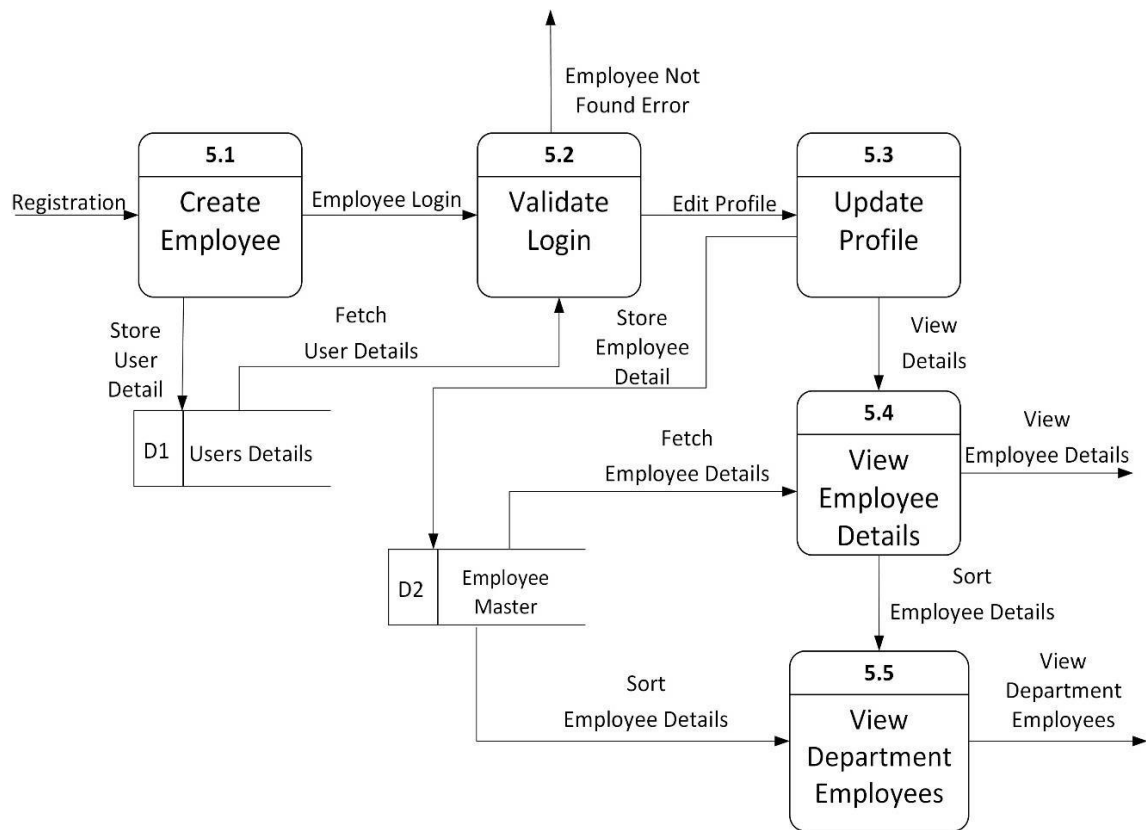
### 3.2.3 First level DFD



**Fig. 3.2.3 (i): Zero level DFD**

**This figure describes the maintain Leave Application**

## EMPLOYEE MANAGEMENT SYSTEM



**Fig. 3.2.3 (ii): Zero level DFD**

**This figure describes the maintain Employee Details**

# CHAPTER 4


## System Design

### 4.1 Input Form (4 major process)

- Admin Login

29/11/2020 Log In | EMS Corporation

**EMS Corp.** HOME Employee Login Admin Login



**Login Here**

Email  
admin@gmail.com

Password  
.....

Login

localhost/php/ems/alogin.html 1/1

# EMPLOYEE MANAGEMENT SYSTEM

- Employee Login

29/11/2020


Log In | EMS Corporation

**EMS Corp.**

HOME

Employee Login

Admin Login



### Login Here

Email

meet@gmail.com

Password

....

Login

localhost/php/ems/elogin.html

1/1

201906100110032

# EMPLOYEE MANAGEMENT SYSTEM

## • Add Employee (Admin Panel)

29/11/2020

Add Employee | Admin Panel

EMS Corp.

HOME

Add Employee

View Employee

Assign Project

Project Status

Salary Table

Employee Leave

Log Out

### Registration Info

Meet

Patel

meet@gmail.com

Birthday

11-09-2001



Male



7874002298

5

Surat

IT

INT.M.Sc.IT

80000

localhost/php/ems/addemp.php

1/2

201906100110032

# EMPLOYEE MANAGEMENT SYSTEM

29/11/2020

Add Employee | Admin Panel

Choose file no.jpg

Submit

localhost/php/ems/addemp.php

2/2

201906100110032

## EMPLOYEE MANAGEMENT SYSTEM

- **Update Employee Info (Employee Panel)**

29/11/2020

Update Profile | EMS Corporation

**EMS Corp.**

HOME

My Profile

Apply Leave

Log Out

### Update Employee Info

Email

meet@gmail.com

Contact

9812598741

Address

Surat

Submit

Change Password

localhost/php/ems/myprofileup.php?id=114

1/2

201906100110032

## EMPLOYEE MANAGEMENT SYSTEM

- **Assign Project (Admin Panel)**

29/11/2020


Assign Project | Admin Panel

**EMS Corp.** [HOME](#) [Add Employee](#) [View Employee](#) [Assign Project](#) [Project Status](#) [Salary Table](#) [Employee Leave](#) [Log Out](#)

### Assign Project

114

System Develop

29-11-2020 

Assign

localhost/php/ems/assign.php

1/2

201906100110032



# EMPLOYEE MANAGEMENT SYSTEM

## • Assign Project Mark (Admin Panel)

29/11/2020

Project Mark | EMS Corporation

**EMS Corp.**

[HOME](#) [Add Employee](#) [View Employee](#) [Assign Project](#)

[Project Status](#)

[Salary Table](#)

[Employee Leave](#)

[Log Out](#)

### Project Mark

Project Name

System Develop

Employee Name

Meet Patel

Due Date

2020-11-29

Submission Date

2020-11-29

Assign Mark

98

Assign Mark

localhost/php/ems/mark.php?id=114&pid=228

1/2

201906100110032

## EMPLOYEE MANAGEMENT SYSTEM

- **Leave Apply (Employee Panel)**

29/11/2020

Apply Leave | Employee Panel | EMS Corporation

**EMS Corp.**

[HOME](#) [My Profile](#) [My Projects](#)

**Apply Leave**

[Log Out](#)

### Apply Leave Form

Merrage

Start Date

05-12-2020



End Date

15-12-2020



**Submit**

Emp. ID	Name	Start Date	End Date	Total Days	Reason	Status
---------	------	------------	----------	------------	--------	--------

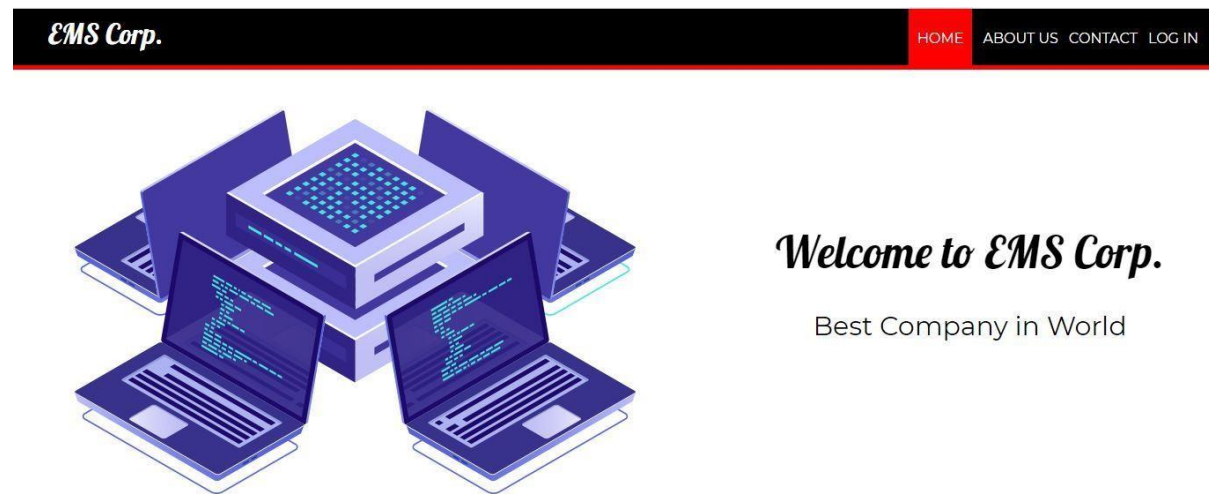
localhost/php/ems/applyleave.php?id=114

1/1

201906100110032

## 4.2 Output Form (4 major process)

- Home Page



### Admin Panel :-

- Admin Home Page

EMS Corp.

HOME

Add Employee

View Employee

Assign Project

Project Status

Salary Table

Employee Leave

Log Out

Empolyee Leaderboard

Seq.	Emp. ID	Name	Points
1	114	Meet Patel	98
2	113	Abhishek Choksi	95

Reset Points

## EMPLOYEE MANAGEMENT SYSTEM

- View Employee

EMS Corp.													
HOME Add Employee View Employee Assign Project Project Status Salary Table Employee Leave Log Out													
Emp. ID	Picture	Name	Email	Birthday	Gender	Contact	NID	Address	Department	Degree	Point	Options	
113		Abhishek Choksi	19bmiit032@gmail.com	2001-01-05	Male	91123456789410	11	Surat	ITI	MSC.ITI	95	<a href="#">Edit</a>	<a href="#">Delete</a>
114		Meet Patel	meet@gmail.com	2001-09-11	Male	7874002298	5	Surat	IT	INT.M.Sc.IT	98	<a href="#">Edit</a>	<a href="#">Delete</a>

- Project Status

EMS Corp.									
HOME Add Employee View Employee Assign Project Project Status Salary Table Employee Leave Log Out									
Project ID	Emp. ID	Project Name	Due Date	Submission Date	Mark	Status	Option		
227	113	Flutter AppDevelopment	2020-11-29	2020-11-29	95	Submitted	<a href="#">Mark</a>		
228	114	System Develop	2020-11-29	2020-11-29	98	Submitted	<a href="#">Mark</a>		

201906100110032

## EMPLOYEE MANAGEMENT SYSTEM

- Employee Leave

<i>EMS Corp.</i> HOME   Add Employee   View Employee   Assign Project   Project Status   Salary Table <b>Employee Leave</b> Log Out								
Emp. ID	Token	Name	Start Date	End Date	Total Days	Reason	Status	Options
113	312	Abhishek Choksi	2020-11-29	2020-12-09	10	Covid 19	Approved	<a href="#">Approve</a>   <a href="#">Cancel</a>
114	313	Meet Patel	2020-12-05	2020-12-15	10	Merrage	Approved	<a href="#">Approve</a>   <a href="#">Cancel</a>

201906100110032

## EMPLOYEE MANAGEMENT SYSTEM

### Employee Panel : -

- Employee Home Page

29/11/2020

Employee Panel | EMS Corporation

<b>EMS Corp.</b>	<b>HOME</b>	<a href="#">My Profile</a>	<a href="#">My Projects</a>	<a href="#">Apply Leave</a>	<a href="#">Log Out</a>
------------------	-------------	----------------------------	-----------------------------	-----------------------------	-------------------------

### Empolyee Leaderboard

Seq.	Emp. ID	Name	Points
1	114	Meet Patel	98
2	113	Abhishek Choksi	95

### Due Projects

Project Name	Due Date
--------------	----------

### Salary Status

Base Salary	Bonus	Total Salary
80000	98 %	158400

### Leave Satus

Start Date	End Date	Total Days	Reason	Status
2020-12-05	2020-12-15	10	Merrage	Approved

# EMPLOYEE MANAGEMENT SYSTEM

## • My Profile

03/12/2020

My Profile | EMS Corporation

**EMS Corp.**

HOME

**My Profile**

My Projects

Apply Leave

Log Out

### My Info



First Name

Meet

Last Name

Patel

Email

meet@gmail.com

Date of Birth

2001-09-11

Gender

Male

Contact Number

7874002298

NID

5

localhost/php/ems/myprofile.php?id=114

1/2

201906100110032

# EMPLOYEE MANAGEMENT SYSTEM

03/12/2020

My Profile | EMS Corporation

Address

Surat

Department

IT

Degree

INT.M.Sc.IT

Total Salary

80000

Update Info



## EMPLOYEE MANAGEMENT SYSTEM

- **My Projects**

EMS Corp.				HOME My Profile My Projects Apply Leave Log Out		
Project ID	Project Name	Due Date	Sub Date	Mark	Status	Option
228	System Develop	2020-11-29	2020-11-29	98	Submitted	<a href="#">Submit</a>

## EMPLOYEE MANAGEMENT SYSTEM

- **Apply Leave**

03/12/2020

Apply Leave | Employee Panel | EMS Corporation

**EMS Corp.**

[HOME](#) [My Profile](#) [My Projects](#)

**Apply Leave**

[Log Out](#)

### Apply Leave Form

Reason

Start Date

dd-mm-yyyy



End Date

dd-mm-yyyy



**Submit**

Emp. ID	Name	Start Date	End Date	Total Days	Reason	Status
114	Meet Patel	2020-12-05	2020-12-15	10	Merrage	Approved

localhost/php/ems/applyleave.php?id=114

1/1

201906100110032