

# ERP System For Employee Management

Group No: 7

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# Introduction

The project idea focuses on problems faced in an organization with an adequate workforce. Two main problems which are observed are managing availability of employees and their leaves. Therefore we have proposed a web system which will tackle such problems which will help to improve efficiency of an organization.



# Abstract

There has always been a traditional practice using which employees apply for a leave. The problem arises when we want to keep track of such leaves taken by the employees or manage their availability and workload in the organization. Therefore we intend to provide an IT Solution by developing a web system which will have the capability to dynamically provide statistics of every employee regarding their past leaves, shared workload and their current availability. The goal is to increase efficiency by managing employee availability and dynamic workload sharing.

# Problem Definition

- Tedious work of calculating eligibility for the leave by the H.A.
- Problem of Keeping track of an employee.
- Problem of keeping leave records of employees.
- Problem of offline workload sharing.
- Problem of manually calculating the leave statistics.
- Problem of manually calling the employees for a special event.
- Employees tend to forget their total no. of leaves.



# Objectives

## General Objective:-

Current objective is to develop a web system for an educational institute which will replace the old process of leave and availability management of an employee along with workload sharing between employees and dynamic display of individual statistics.



## Specific Objectives:

- Secured Login Interface.
- Interface For Employees To Apply For A Leave With Provided Leave Type , Description And Load Sharing Request.
- Interface For Employees To View Their Leave Statistics In Graphical Charts & Tables.
- Interface To Accept/Deny Load Sharing Request By Employees.
- Interface For H.A. To View And Accept/Deny Leave Request.
- Interface For Employees To View/Edit Their Timetable.



## Specific Objectives(2):

- Interface For All The Users To View/Update Their Profile.
- Interface For H.A To View Statistics Of All Employees.
- Interface For H.A To View Current Availability And Location Of An Employee As Per Their Timetable.
- A Notification System For All Users To Notify Them About Updates On The System Via Sms /Email .

# Proposed System Architecture

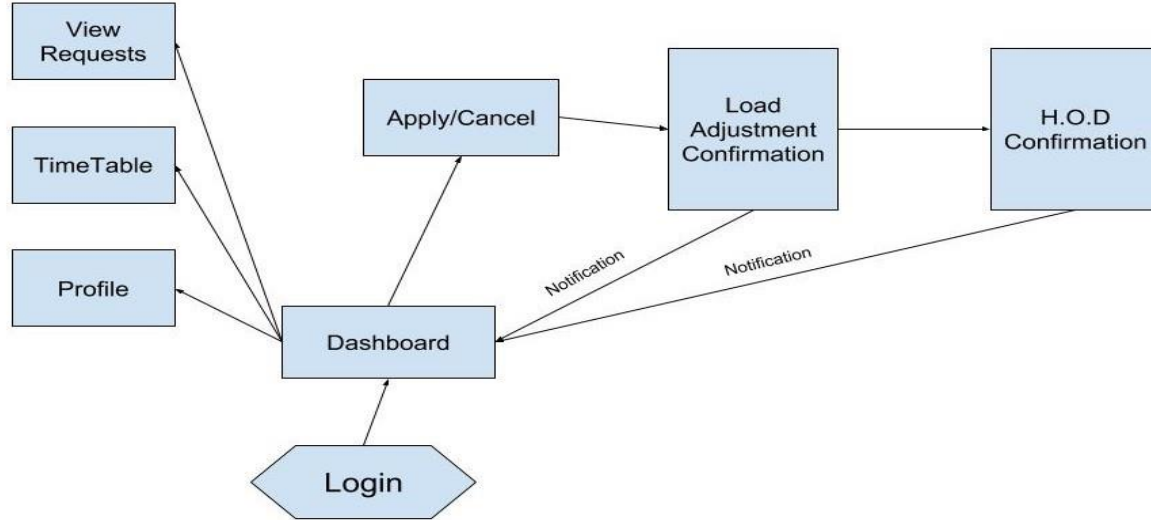


Figure 2: Flowchart For Employee Login



# Proposed System Architecture

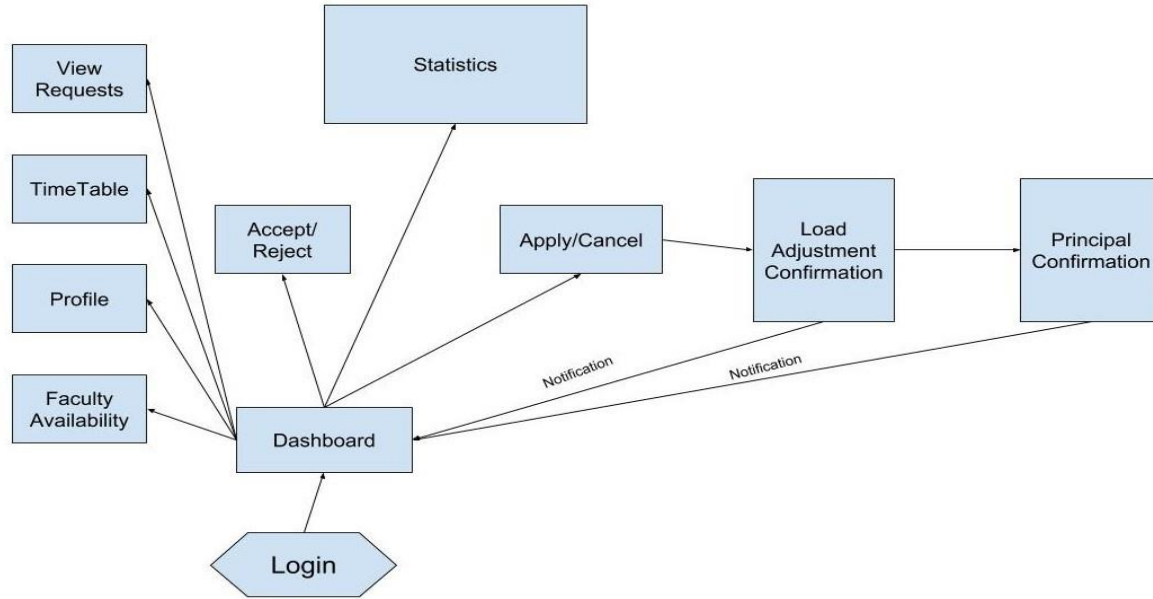


Figure 2: Flowchart For Higher Authority Login

# Project Scope

- **What?**

Web System will be classified broadly into two modules:

Leave Management.

Employee Availability Management.

- **Why?**

To Manage Employee Availability & Workload More Efficiently.

- **Where?**

Educational Institute.

- **By Whom It Will Be Used?**

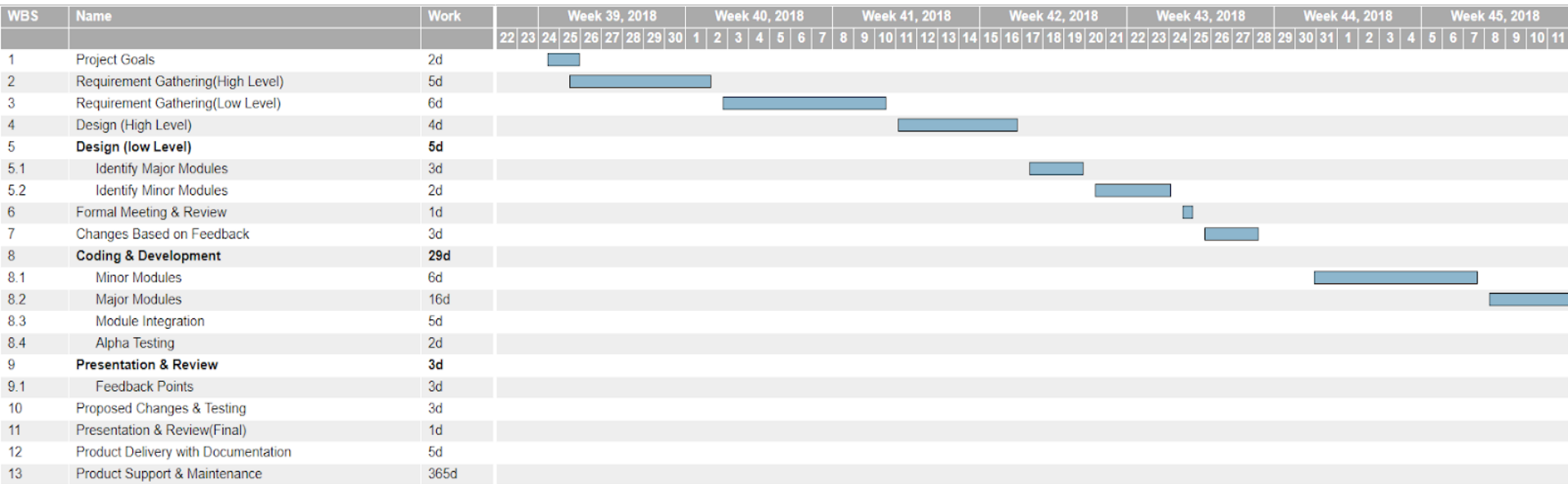
Faculties , HOD , Principal.



# Web Technology Stack

- HTML
- CSS
- JavaScript
- PHP
- MySQL

Gantt Chart



Tasks					
WBS	Name	Start	Finish	Work	Complete
1	Project Goals	Sep 24	Sep 25	2d	0%
2	Requirement Gathering(High Level)	Sep 25	Oct 1	5d	0%
3	Requirement Gathering(Low Level)	Oct 2	Oct 9	6d	0%
4	Design (High Level)	Oct 10	Oct 15	4d	0%
5	Design (low Level)	Oct 16	Oct 22	5d	
5.1	Identify Major Modules	Oct 16	Oct 18	3d	0%
5.2	Identify Minor Modules	Oct 19	Oct 22	2d	0%
6	Formal Meeting & Review	Oct 23	Oct 23	1d	0%
7	Changes Based on Feedback	Oct 24	Oct 26	3d	0%
8	Coding & Development	Oct 29	Dec 6	29d	
8.1	Minor Modules	Oct 29	Nov 5	6d	0%
8.2	Major Modules	Nov 6	Nov 27	16d	0%
8.3	Module Integration	Nov 28	Dec 4	5d	0%
8.4	Alpha Testing	Dec 5	Dec 6	2d	0%
9	Presentation & Review	Dec 6	Dec 10	3d	
9.1	Feedback Points	Dec 6	Dec 10	3d	0%
10	Proposed Changes & Testing	Dec 11	Dec 13	3d	0%
11	Presentation & Review(Final)	Dec 14	Dec 14	1d	0%
12	Product Delivery with Documentation	Dec 17	Dec 21	5d	0%
13	Product Support & Maintenance	Dec 24	May 15	365d	0%

# Summary

- This web system is designed to manage :
  - Leave applications
  - Load sharing requests
  - Employee availability
- Display statistics dynamically.
- It aims to increase productivity and efficiency.





# References

- <https://www.greythr.com/pricing/>
- <https://advancesystemsinc.com/absence-management/leave-management-system/>
- <https://www.zoho.com/people/leave-management-system.html>
- <https://www.sumhr.com/online-leave-policies-leave-application-tracking-2>

Thank You 😊

