EMPLOYEE LEAVE MANAGEMENT SYSTEM
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ABSTRACT
This project is aimed at developing an online leave management system that is of importance to either an organization. The Leave Management System (LMS) is an Intranet based application that can be accessed throughout the organization or a specified group/Dept. This system can be used to automate the workflow of leave applications and their approvals. The periodic crediting of leave is also automated. There are features like email notifications, automatic approval of leave, report generators etc in this system. Leave Management application will reduce paperwork and maintains record in more efficient way.


SYSTEM MODULES
The module is the whole description of every particular option available in the leave management system.

MAIN MENU
It consists of the login page to authenticate the user with a username and a password.

LOGIN
If you click on login button a new window will open which will show you a logout button and a list of options to select from such as leave request or leave approval.

**LOGOUT**

You will logout of your portal, and you have to log in again if you want to submit a leave or see any other details.

**SUBMIT**

It is a button which you have to click after selecting any option from the given list. It will take you to the next page of the application and you can look for the details of your leave on the next page.

**OPTIONS**

There are four options in our leave management system you have to click submit after selecting one of the options from the four:

1. Leave Request
2. Leave Request - Overview
3. Leave Approval
4. Leave Balance

In this all the above options you will find different details according to your needs.

**1.1 Use case Diagram**

![Use case Diagram](image-url)
1.2 System Architecture

DFD: Teaching Staff

1.3 Flow Chart
Existing system:

In the existing paper work related to leave management, leaves are maintained using the attendance register for staff. The staff needs to submit their leaves manually to their respective authorities. This increases the paperwork & maintaining the records becomes tedious. Maintaining notices in the records also increases the paperwork.

Issues in Existing System:

It does not ensure security of every record. It increases the redundancy of data and gives various facilities. It leads to loss of data. The staff has to write a letter to its superior for leave which makes it a tedious work for the staff.

Proposed System: To automate the existing leave management in educational institutes to decrease the paperwork and enable the process with efficient, reliable record maintenance by using centralized database, thereby reducing chances of data loss. To provide for an automated leave management system that intelligently adapts to HR policy of the organization and allows employees and their line managers to manage leaves and replacements for better scheduling of work load & processes.

System Requirements: The system requirement for this project are:

Software Requirement
Microsoft Visual Studio 2010
It is an integrated development environment from Microsoft. It is used to develop console and graphical user interface application along with Windows Forms or WPF application, web sites, web application and web services in both native code together with managed code for all platforms. It includes a code editor supporting intellisense as well as code refactoring. In this project Microsoft Visual Studio 2010 has been used.

Microsoft Visual C#
It’s an implementation of the c# language, targets the .NET framework, along with the language services that lets the visual studio IDE support c# projects. While the languages are a part of visual studio, the compiler is available separately as a part of the .NET framework. In my project I have used c# 4.0.
Microsoft SQL Server
It is a RDBMS developed by Microsoft. As a database it is a software product whose primary function is to store and retrieve data as requested by other applications, be it those on another computer across a network. I have used Microsoft SQL Server 2010 during the completion of my project.

Hardware Requirements
Computer Network
Main Server machine

SUMMARY
*Create a employee leave management system using C# and visual studio.

*Has minimal system requirements.

*Implemented using Microsoft C#, Microsoft Visual Studio, and Microsoft SQL Server.

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BIOGRAPHY

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