

DAYANANDA SAGAR COLLEGE OF ENGINEERING
COMPUTER SCIENCE & ENGINEERING

Minor Project- Report
June 2021

Course Faculty: Prof. Ravichandra H

Course Name & code:
DBMS Laboratory with
Minor Project
19CS4DLDBL

Semester: 4

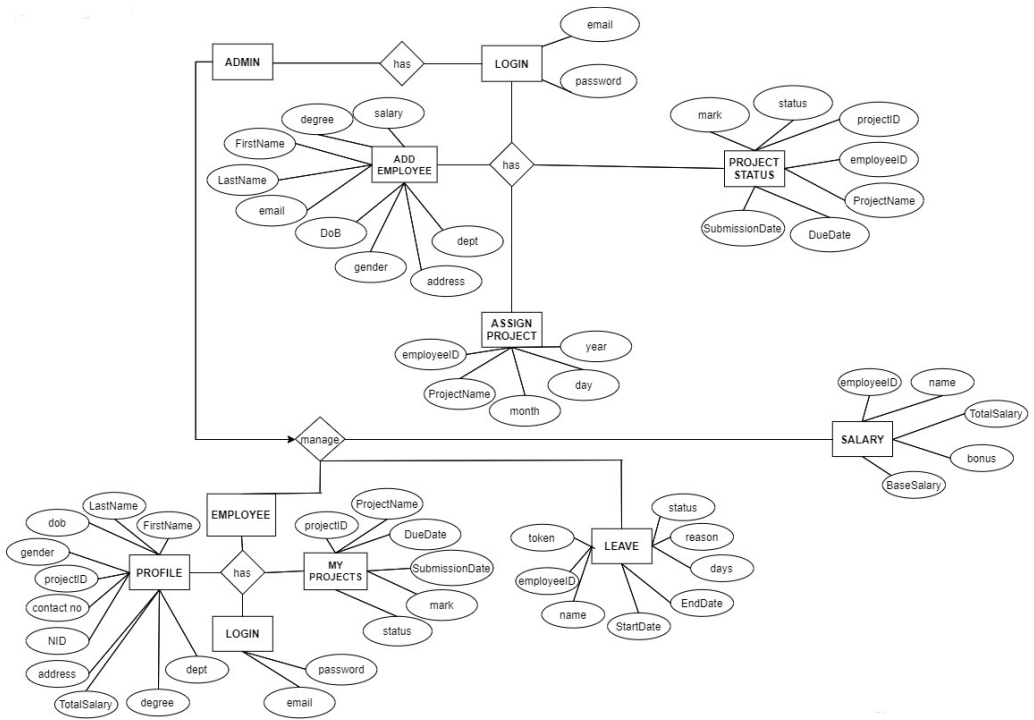
Date: August 09, 2021

TITLE OF THE PROJECT	EMPLOYEE MANAGEMENT SYSTEM			
STUDENT NAME	NIKITHA REVANAKI	NISCHALA R	JAISHREE S	
USN	1DS19CS103	1DS19CS104	1DS19CS134	
INDIVIDUAL CONTRIBUTION	BACKEND AND DATABASE	FRONTEND	SOURCE CODE AND DATABASE MANAGEMENT	
GUIDE	Prof. Anitha M			
PROJECT ABSTRACT:	<p>This project includes a development presentation of an information system for managing the staff data within a small company or organization. The process of constructing this system involves a mutual development of application program and database. The application program is actually the bridge between the users and the database, where the data is stored. This system should consist of an application program, on one hand, and a database (repository of data) on the other. Thus, the well-developed application program and database are very important for the reliability, flexibility and functionality of the system.</p> <p>Manual handling of employee information poses a number of</p>			

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	<p>challenges. This is evident in procedures such as leave management where an employee is required to fill in a form which may take several weeks or months to be approved. 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 multinational 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.</p> <p>The aforementioned problems can be tackled by designing and implementing a web-based employee management system. This system will maintain employee information in a database by fully privacy and authority access. The project is aimed at setting up an employee information system about 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.</p>
PLATFORM USED (H/W & S/W TOOLS TO BE USED)	Front end – HTML, CSS Backend – PHP Database – MySQL Browser – Google Chrome Code Editor – Visual Studio Code
INTRODUCTION	<p>The objective of “Employee Management System” is designing a scheduling system for a work center.</p> <p>Employee Management System is a distributed application, developed to maintain the details of employees working in any organization. It maintains the information about the personal details of employees. This software project has been developed</p>

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	<p>using the powerful coding tools of HTML, CSS and PHP at Front End and Sql Server at Back End. The software is very user friendly. The project contains modules like Employee and Admin. Also, this application has multi-user approach.</p>
DESIGN	<p>ER DIAGRAM:</p>  <p>The ER diagram illustrates the database structure for an Employee Management System. It includes the following entities and their attributes:</p> <ul style="list-style-type: none"> ADMIN: degree, salary, FirstName, LastName, email, DoB, gender, dept, address. LOGIN: email, password. ADD EMPLOYEE: degree, salary, FirstName, LastName, email, DoB, gender, dept, address. PROJECT STATUS: mark, status, projectID, employeeID, ProjectName, SubmissionDate, DueDate. ASSIGN PROJECT: employeeID, year, month, day, ProjectName. PROFILE: LastName, FirstName, dob, gender, projectID, contact no, NID, address, TotalSalary, degree, dept. MY PROJECTS: projectID, ProjectName, DueDate, SubmissionDate, mark, status. LEAVE: token, status, reason, days, EndDate, StartDate, employeeID, name. SALARY: employeeID, name, TotalSalary, bonus, BaseSalary. <p>Relationships are indicated by lines with crow's foot notation:</p> <ul style="list-style-type: none"> ADMIN has LOGIN (1:M). ADD EMPLOYEE has PROJECT STATUS (1:M). ADD EMPLOYEE has ASSIGN PROJECT (1:M). ADD EMPLOYEE manages SALARY (1:M). PROFILE has MY PROJECTS (1:M). MY PROJECTS has LEAVE (1:M).
PROJECT SOURCE CODE LINK (GITHUB/GOOGLE DRIVE)	https://github.com/Nisch415/GLOBAL-SOLUTIONS.git
CONCLUSION /FUTURE ENHANCEMENT	<p>Employee Management System is consistent of crucial work-related and important details of employees and admin</p>

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directive system. In a nutshell, it is an online inventory of all employees of an organization.

As a future work, additional stuff could be implemented and integrated into the application code making it more flexible. For instance, different branches of the organization, payroll module, case studies can be implemented. With all the enhancements, managing the staff can taken to higher level which in turn leads to building up a company as such as it is.


UI SCREENSHOTS



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Due Projects									
Project Name				Due Date					
COVID_19 Management				2021-10-16					
Salary Status									
Base Salary		Bonus		Total Salary					
7500		17 %		8775					
Leave Satus									
Start Date		End Date		Total Days		Reason		Status	
2020-09-03		2020-09-05		2		COVID-19		Approved	
2020-09-10		2020-09-12		2		May Lagnat		Approved	

GLOBAL SOLUTIONS				HOME		Add Employee		View Employee		Assign Project		Project Status		Salary Table		Employee Leave		Log Out	
Emp. ID	Name	Email	Birthday	Gender	Contact	NID	Address	Department	Degree	Points	Options								
1	Ravi KS	Ravi@gmail.com	1995-08-23	Male	9696596945	1	Bangalore	IT	IT	17	Edit Delete								
2	Priya Joshi	priya@gmail.com	1992-05-14	Female	8684589641	3	Bangalore	IT	B.E CS	15	Edit Delete								
3	Satish B	satish@gmail.com	1992-06-16	Male	8545663145	5	New Delhi	Accounts and Finance	B.Sc CS	0	Edit Delete								
4	Rajesh Kumar	rajesh@gmail.com	1991-01-08	Male	8956565656	4	Mangalore	AI	B.E CS	10	Edit Delete								

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GLOBAL SOLUTIONS

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Apply Leave Form

Reason

Start Date

start

End Date

end

Submit

Emp. ID	Name	Start Date	End Date	Total Days	Reason	Status
1	Ravi KS	2020-09-03	2020-09-05	2	COVID-19	Approved