

ATTENDANCE MANAGEMENT SYSTEM

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ABSTRACT: Attendance System forms lifeline of Business institute and also colleges, classes, Shops manage the attendance and its details. It is very essential for an colleges, Institutes, shops handle the their scale. It is very useful for institute test its student attendance continuously for their mutual development.

The IT initiatives have encouraged various Organizations to develop system to facilitate their day to day operations. This system helps in conducting Attendance quickly and can thus help in saving time and operations will be carried out efficiently.

With the effective use, any institute can apply the "Attendance Management System" for conducting quick attendance and getting better results in less time.

KEYWORDS:-Attendance, Student, Employee, Collage, Shop, Faculty, Organization.

1.INTRODUCTION:-

Attendance management system is very necessary for the institute ,schools,shops etc.Attendance management keeps track of your attendant hours and also keeps the record of attendant taking leave without any permission.It is the system you use to document the time of your attendant work and the time they take off.

In attendance management system goes beyond this is to provide working environment which increases and motivates attendant attendance.Recentlyit is very easy to collect attendance data automatically by the real time location system.

Attendance Management System ensures that the accurate time and date records and maximize accurate performance.Attendance Management system is a time consuming.

1.1 Basic working of Attendance Management System:

In attendance management system first is a attendance window.In that section employees are gives daily attendance.

In that section involves it stores the information when the attendant is log-in or logout. When we are log-in it stores the time in database and when we are log-



out.When we are log-in it give a pop-up window which gives us a welcome message and when we log-out it gives bye message.

Fig -1: In this section employee log-in or log-out

Second window is a admin workspace window that gives the option for adding the newusers,view data,log-out and exit option.In add user it takes the data from us that consists staff-id,Staff_Name,and it involves the inbuilt calander for store the joining date which selected from the staff or employee and it also consists of the table in right side which display the data which which delete you give in add users section.it give the option of delete our information in the table.



Fig -2: Admin workspace

Next is view data in this section we can check attendance data of employee which consists of table, calendar, search option, print, refresh option. In that table consists of employee id, staff name, in-time, Out-Time and date when we are log in. Also we can see the previous information related to the employee which is stored in the database. If we want to search the previous month's attendance of an employee.



Fig -3: In this section we can check Attendance data employee



Fig -3: In this section new/fresher's employee add his/her Joining date, name & Id through Admin

Another is the admin log-in in this section employee's daily attendance or not is checked by admin.

We can select the date by using the calendar and enter the search button. It displays the attendance of the employee in that table. Also we can enter the user id for the attendance and it provides the refresh option for the updated version of the page you're viewing.

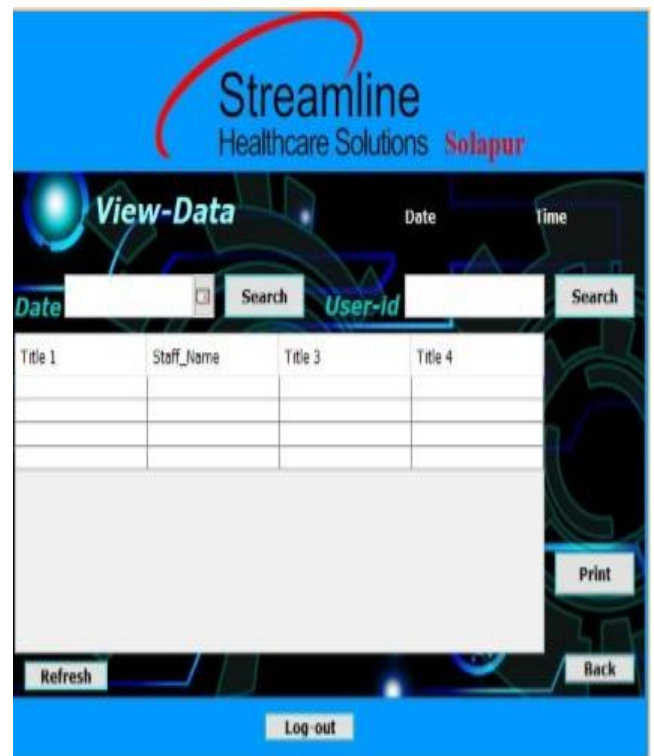


Fig -4: In this section employee's daily attendance or not is checked by admin

2. OBJECTIVES:

The objectives of the project are:

Reduces administrator work by integrating the details of the student and employee of all the three departments into a single sql database.

Physical work for information display on attendance becomes less as the work becomes digitized.

It is also time consuming as physical work is less.

Autogeneration of various types of reports of students and employees attendance.

There is less chance of error.

3. PURPOSE :

The purpose of developing attendance management System is to computerized the tradition way of taking attendance. Another purpose for developing this software is to generate The report automatically at the end of the session or in the between of the session.

Emp_id	Staff_Name	In Time	Out Time	Date
101	Nisarga	5.00pm	6.30pm	2021-5-6
102	Sakshi	6.00pm	7.00pm	2021-5-6
103	Pallavi	4.00pm	6.00pm	2021-5-6
104	Dhanashri	3.30pm	7.00pm	2021-5-6
105	Arshiya	1.50pm	4.00pm	2021-5-6

Table -1: ATTENDANCE TABLE

4. SCOPE:

The following project has much scope both in present as well as future.

The scope of the project is the system on which the software is installed, i.e. the project is developed as a desktop application and it work for a particular institute.

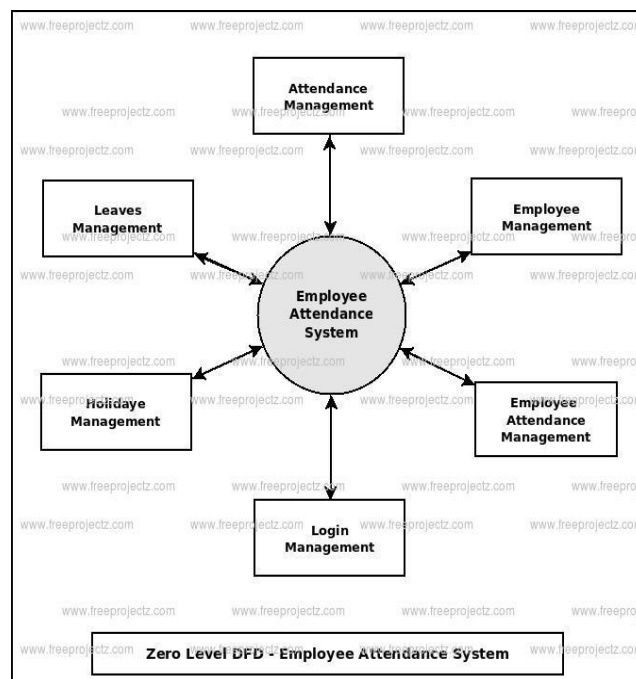


Fig -5: BLOCK DIAGRAM

5. SYSTEM IMPLEMENTATION

System implementation is the most important stage of project when the theoretical design is tuned into practical system. The main stage in the implementation are as follows:

Planning

Training

System testing

Changeover Planning

Hardware (Minimum Requirement)

Minimum RAM:-1GB

Hard Disk:-128 GB

Processor:-Intel Pentium 4(1.50 GHZ) or above

Software requirement (minimum Requirement)

Operating system :Windows10

Front_Design:VB.Net version 2012, Net Beans

Front-End Language :Visual basic

Back-End :Oracle 10g

Back-End Connectivity:ADO.net

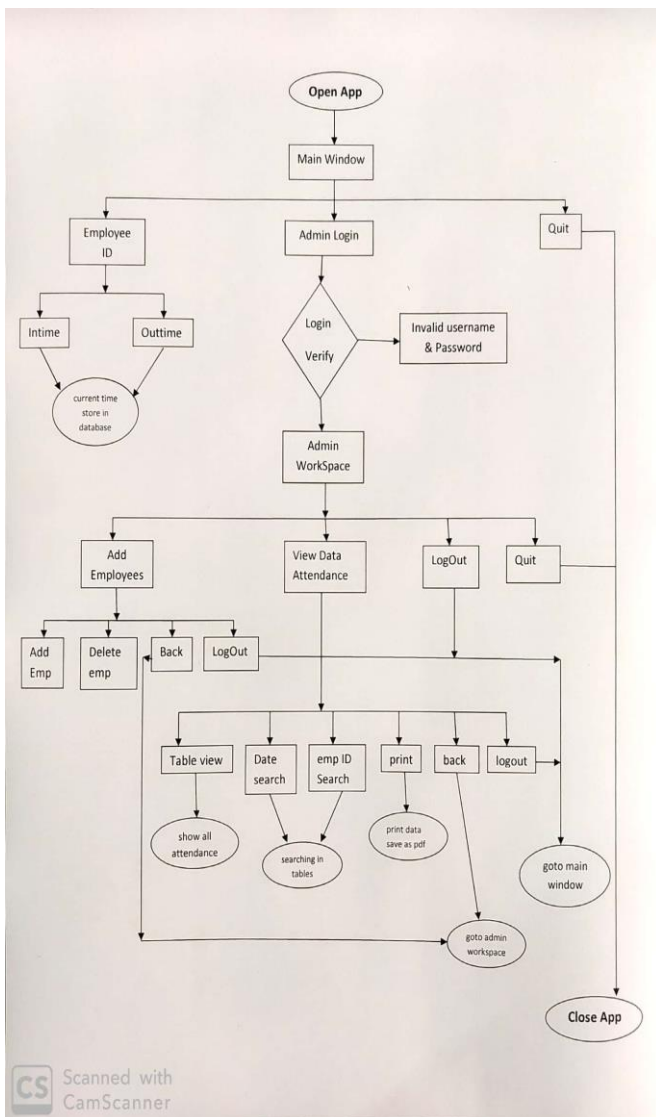


Fig -6: FLOW DIAGRAM

Active Diagram present a number of benefits to employee. Consider creating an active diagram to:

Demonstrate the logic of an algorithm

Illustrate a business process or workflow between users and the system.

Simplify and improve any process by clarifying complicated use cases.

Model software architecture elements, such as method, function, and operation.

We does not have require any hardware requirement as it is Software based project.We just require a software application called net beans.

The design of our project was done using software called Net beans and the java programming language so that it should be more userfreindly to use and simple but attractive.

We use a sql database for creating a new query and inserting new data in database.

Also modifying or update the previous data retrieving data from database and also delete create a new table in database and store the information in database.

So when someone will use our application and he would refer this to after by considering all the factors. So that more people will use it.

It contains three parts :-

Home page(admin workspace)

Attendance window(in this section employees gives daily attendance)

Add users(in this section new employees his/her joining date,name,and id through admin)

So.the coding of our project of our project was done in net beans by using the java programming language and sql database .

The coding of our project is divided into two parts that is two person for database and three persons for java programming.

Java code:- The java code is used to manage and control the windows devices and android.

Sql database:- The sql database helps to collect all the information/data in database.

When we are done with our project design and testing of our project then we will install it in the windows for further use.

When after deployment then we shared our project among our friends, society, shops, relation in our social media.

Conclusion:-

This software decrease the amount of manual data software decease the amount of manual data entry and provides a greater efficiency. The user interface of it is very friendly and can be easily used by another like school, collages, shops etc., All the details about students, teacher, and their other tasks/performances can only be seen by the verified users.

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