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"UNIXCOLL (A ATTENDANCE MANAGEMNT SYSTEM BASED ONDATA ENCRYPTION USING ECC)"

Nikita A Bhutnale
Computer Engineering
VPSCET Lonavla
Student,SPPU India

Samarth A Pujari
Computer Engineering
VPSCET Lonavla
Student , SPPU India

Shubham A Taru
Computer Engineering
VPSCET Lonavla
Student ,SPPU India

Sthavir M Rokade
Computer Engineering
VPSCET Lonavla
Student,SPPU India

Dr. Manav A Thakur
Computer Engineering
VPSCET Lonavla
Principal ,SPPU India

ABSTRACT:

Attendance portal is software developed for maintaining the attendance of the student on the daily basis in the school. Attendance Portal system deals with the maintenance of the student's attendance details. It is generates the attendance of the student on basis of presence in class. It is maintained on the daily basis of their attendance. The staffs will be provided with the separate username & password to make the student's status. Here the staffs, who are handling the class, will be responsible to mark the attendance of the students. Each staff will be given with a separate username and password for make attendance. An accurate report based on the student attendance is generated here. Report of the student's attendance on weekly and monthly basis is generated. Also student has their separate username and password. Students also view their attendance status.Also students can apply for leave and can access the data of college.All the data store in database will be encrypted so that no one can edit the data.

KEYWORDS:

Attendance Portal, Student's Attendance, Username & Password, Student's Status, Report Weekly/Monthly, Leave Application, College Data, Database, Encryption, Authorized Access, Modules, Administrators, User Control, User Interface, Application Control, Data Modification, Application Usability.

I. INTRODUCTION

In the era of modern technologies emerging at rapid pace there is no reason why a crucial event in education sector such as attendance should be done in the old boring traditional way. Attendance monitoring system will save a lot of time and energy for the both parties employees as well as the companies. Attendees will be supervised by a web application by simply seeing a person in all other objects and marking their presence.

Attendance portal is software developed for maintaining the attendance of the student on the daily basis in the school. Here the staffs, who are handling the class, will be responsible to mark the attendance of the students.
Each staff will be given with a separate username and password for make attendance. If student make the leave staff get the notification on his mobile. Student also make complain to staff online. An accurate report based on the student attendance is generated here. Report of the student's attendance on weekly and monthly basis is generated.

II. LITERATURE SURVEY

[1] Ekta Chhatar, Heeral Chauhan, Shubham Gokhale, Sompurna Mukherjee, Prof. Nikhil Jha, "Survey of Student Attendance Management System ", S.B. Jain Institute , Nagpur, 2016. In this paper, the system deals with the maintenance of the student's attendance. The plan is about keeping the student going. Creates student attendance on the basis of presence and absence from class. Staffs will be given a different username and password.

[2] Karwan Jacksi, Falah Ibrahim, Shahab Ali, "Student Attendance Management System", University of Zakho, Iraq, 2018. In this paper, the program is designed to differentiate between theoretical and practical study hours as their level differs from calculating student absenteeism percentages.

[3] Jun Lio, "Attendance Management System using a Mobile Device and a Web Application", Department of Socio-informatics, Faculty of Letters Chuo University 742-1 Higashinakano, Hachioji-shi, Tokyo 192-0393, Japan, 2016. In this paper, a framework for the presence management novel is proposed, which includes a mobile phone and web application. They have acquired a mixture of mobile device and web services

III. PROBLEM DEFINITION

A real-world student attendance system which is a web based portal, which can be access on any device with backup facility of cloud.

IV. MODULE DESCRIPTION

The system should be designed in such a way that only authorized people should be allowed to access some particular modules. The records should be modified by only administrators and no one else. The user should always be in control of the application and not the vice versa. The user interface should be consistent so that the user can handle the application with ease and speed. The application should be visually, conceptually clear.

• STUDENT DETAILS:

- In this module deals with the allocation of roll no and personal details for new batch.It will generate of personal details of student and academic details of the students.
- Student can apply for the leave.

• STAFF DETAILS:

- It helps to allot the subject and the subject code to the particular staffs.
- It provides the facility to have a user name and password to the staffs .

• ATTENDANCE DETAILS:

- It will be makes to the attendance database all students. Entered attendance to stored in the database subject ,period wise into the particular date.
- It will helps to the get report of weekly and consolidate of the attendance.

ENCRYPTION/DECRYPTION

ENCRYPTION

Encryption is the process by which a readable message is converted to an unreadable form to prevent unauthorized parties from reading it. Decryption is the process of converting an encrypted message back to its original (readable) format. The original message is called the plaintext message.

Decryption is the process of converting meaningless message (Ciphertext) into its original form (Plaintext). The major distinction between secret writing associated secret writing is that the conversion of a message into an unintelligible kind that's undecipherable unless decrypted. whereas secret writing is that the recovery of the first message from the encrypted information.

ADVANTAGES:

1. It is trouble-free to use.
2. It is a relatively fast approach to enter attendance.
3. Is highly reliable, approximate result from user .
4. Best user Interface .
5.Data will be encrypted

APPLICATIONS:

1. It is very useful for companies to get attendance easily

V. CONCLUSION

This portal is most useful for to fill up the student's attendance online and maintain the student's attendance on the daily basis. This portal reduce the paper work and saving time to generate accurate results. Finally Report of the .

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student's attendance on weekly and monthly basis is generated.

It reduces the man power required and provides accurate information. Malpractice can be reduced. All years together gathered information can be saved and can be accessed at any time. Therefore the data stored in the repository helps in taking decision by management. So it is better to have a Web Based system. All the student, faculty and management can get the required information without delay

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