ONLINE ATTENDANCE TRACKING

**Abstract:**

 Online Attendance Tracking system is based an the monitor the student performance an the system .online attendance tracking management is based an the lecturer key related an the attendance system. online attendance management system in produced the time time table in lecturer and the student. attendance tracking management system is monitor an the lecturer and the student performance .attendance management is based an the time limit an the attendance marking .the lecturer produce the key in student and login the particular student and mark the our registration number.the admin of the application is montoring an the each and every present student an the attendance .the lecturer is view an the particular subject and key related an the present student status.the lecturer is give the key in each and every day in particular subject.online attendance tracking in lecturer produce the key is expire in set the time of limit .the attendance page will be displayed an the session expire an the particular limit of time.online attendance management in expire the time of limit student is type the old key the admin will be displayed an the invalid key message.

EXISTING SYSTEM

 • Not User Friendly: The existing system is not user friendly because the retrieval of data is very slow and data is not maintained efficiently.

• Difficulty in report generating: We require more calculations to generate the report so it is generated at the end of the session. And the student not get a single chance to improve their attendance

 • Manual control: All calculations to generate report is done manually so there is greater chance of errors.

 • Lots of paperwork: Existing system requires lot of paper work. Loss of even a single register/record led to difficult situation because all the papers are needed to generate the reports.

• Time consuming: Every work is done manually so we cannot generate report in the middle of the session or as per the requirement because it is very time consuming.

**PROPOSED SYSTEM**

• User Friendly:- The proposed system is user friendly because the retrieval and storing of data is fast and data is maintained efficiently. Moreover the graphical user interface is provided in the proposed system, which provides user to deal with the system very easily.

• Reports are easily generated: reports can be easily generated in the proposed system so user can generate the report as per the requirement (monthly) or in the middle of the session. User can give the notice to the students so he/she become regular.

• Very less paper work: The proposed system requires very less paper work. All the data is feted into the computer immediately and reports can be generated through computers. Moreover work become very easy because there is no need to keep data on papers.

 • Computer operator control: Computer operator control will be there so no chance of errors. Moreover storing and retrieving of information is easy. So work can be done speedily and in time

**Implementation**

 Online Attendance management system is used to track the present student list in particular course.online attendance management system have four modules .They are

 1.Registration and Login

 2.Admin Module

 3.Lecturer Status

 4. Student Attendance

1.Registration Login

 Online Attendance management system is used to register an the each and every student for the security purpose an the name ,password ,email id ,phone number ,address.online attendance management system in registration details is used to login the application

2.Admin

 Online Attendance management system in admin module have the course list, lecturer time table ,student time table ,present student attendance status. online attendance tracking in course list have an the four branch an the online attendance tracking system. online attendance management system in admin module monitor the lecturer and student details.

3.Lecturer

 Online Attendance management system in lecturer module have the lecturer time table ,student time table ,produce the attendance key, present student status. lecturer module In lecture time table means admin give the time table got the lecturer time table page. the lecturer view an the student time table also. produce the key means the lecture give the lecturer name ,subject and the key.

4.Student

 Online attendance management system in student module have the attend class,registration,time table. online attendance management system in student module in registration page is stored the confirmed student details. the attend class have the two field in type the subject code and the lecturer name and got the correct lecturer give the key and type the valid key in attendance page the admin is monitoring on the key is valid or not .student have the correct valid key the page is enter the attendance page and go to mark the our registration number to mark. student module in key value is expired in 20 min .you will enter the after 20 min in attendance page the attendance page is expired.

**REQUIREMENT ANALYSIS**

The project involved analyzing the design of few applications so as to make the application more users friendly. To do so, it was really important to keep the navigations from one screen to the other well ordered and at the same time reducing the amount of typing the user needs to do. In order to make the application more accessible, the android version had to be chosen so that it is compatible with most of the Android devices.

**REQUIREMENT SPECIFICATION**

**Functional Requirements**

* Graphical User interface with the User.

**Software Requirements**

For developing the application the following are the Software Requirements:

1. Android Development Tools
2. Eclipse IDE 3.4 or Higher(*Resent Version*)
3. Android SDK and Eclipse Plug-ins for Android ADT (*Resent versions*).

**Operating Systems supported**

1. Windows 7
2. Windows XP
3. Windows 8

**Technologies and Languages used to Develop**

1. Android
2. Java
3. XML

**Debugger and Emulator**

1. Android Dalvik Debug Monitor service
2. Android Emulator(Android Virtual Device)

For running the application the following are the Software Requirements:

* Operating System: Android 2.1 or higher versions

**Hardware Requirements**

For developing the application the following are the Hardware Requirements:

* Processor: Pentium IV or higher
* RAM: 256 MB
* Space on Hard Disk: minimum 512MB

For running the application:

* Device: Android version 2.1 and higher
* Minimum space to execute: 1.0MB