TEQUED ATTENDANCE APP

INTRODUCTION

Manual systems are time consuming and unsafe. In the proposed project Tequed Android based attendance app is designed which is less time consuming, safe and easy to implement because-

User Friendly: - This software is user friendly as it is simple to use and the user doesn’t need any special training to use this software. Data evaluation, data storing and retrieval is easy and doesn’t need any heavy calculation or method

Minimal paper work: There is no paper work required. Data are stored automatically in the system. Evaluation are done automatically. Hence it is cost effective too.

Time Saving: Data storing, data retrieval, data evaluation is done at minimum time hence it is time saving producing data with minimal errors.

The project is strongly supported at the back end by Java-the most popular and successful object oriented programming language. The front end is developed using Extensible

Mark-up Language (XML). For the database connectivity we are using Firebase database.

STEPS TO START WITH AND SET UP

After the application has been installed in the android device the following steps are to be implemented: -

1. First a home page appears which is deigned with tequed labs logo and it contains ADMIN and TEACHER images ,when clicked it navigates to ADMIN and TEACHER login pages respectively

1. The admin shall then register with a proper user name and password which is common for all admins, they must remember for further login.

3.On successful login of admin it intents to an ADMIN VIEW which displays current login date and time. Admin has the right to

* Add Faculty : faculty name, username ,password has to be entered and to select the course there is a search option with the list of available courses. On clicking submit button the entered data is added to the database.
* Add Students : Student name and usn has to be entered and to select the course there is a search option with the list of available courses. On clicking submit button the entered data is added to the database.
* View Attendance : Admin should select the date for which the attendance has to be viewed. The date is selected from the calendar which pops on click of select date button. And the course for which the attendance has to be viewed is selected by clicking on ‘select course’ button there is a search option with the list of available courses. On clicking OK button the list of students present on that particular day belonging to the respective course will be displayed by retrieving data from firebase database

3. Next the teacher needs to login from the login page, by pressing the login button and providing the correct credentials given by the admin without which they would not be able to log-in to the application.

4. After successful login the teacher would be navigated to the Teacher view page, where the students who have opted for that particular course will be displayed. Clicking on each student it navigates to enter attendance page Now accordingly attendance can be given for the present date or any previous date. It is selected from the calendar which pops on click of select date button. Attendance is marked as present or absent by clicking a radio button. Finally, on clicking check Attendance button it updates the data in firebase database.