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Department Facility App

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ABSTRACT

Due to the rapid growth in the technology all the work is depend on the digital elements in this generation. In every field the all data is managed in form of digital data. So to manage records in department we had developed this app. With help of this app all teachers can easily manage and store the data.

Keywords: Teachers, Technical, Department, App.

INTRODUCTION

At initial of this App, it will ask you for Username and Password. This is login page of App. After that you will see the Dashboard of App, where we had provided various options for Teachers to select. As per the Teachers requirement we had arranged the options. In Dashboard there are various Grids for different reasons.

One of which is 'Student Grid', where it ask you whether you want to add new Student data or View Students list. After you select the add option it will take you to page where you can fill the Students all data. And in second option you can view all Students data. Using this Grid, Teachers can easily add new Students data or view all student data. In this grid, Teachers can also perform select, update and delete operations on student data.

Second Grid is about the 'Teachers Grid', which has also two options of adding new teacher data and to view teacher data. If any new teacher joins to department then authority can easily add their data to this Grid. Second option is to see the all teacher data who are working under department. This will contain data about the teaching, non-teaching Staff all data.

And the last Grid is about the 'Gallery'. This will simply contain the photos of the Events and Guest lectures arranged in the department for students and teachers. This Grid will represent the activities happened under Department.

This is all about the Dashboard.

LITERATURE SURVEY

1. Dharmendra Kumar Sharma and Vineet Tiwari, IEEE 2015:

Introduces affordable laptops, disconnected automatic bulletin floorboard using Atmel's ATmega32 microcontroller#039; and various wireless technologies (Bluetooth and ZigBee) and their presentation analysis based on parameter such as range, BER (bit error speed), RSSI (Received Signal Strength Indicator), indicator attenuation and energy consumption. The government accepts serial data from the wireless module receiver and displays it on the graphic LCD. We understand common communication receiver hardware for bulletin board compatible with both unattached modules i.e. Bluetooth and ZigBee.

2. Aniket Pramanik, Rishikesh and Vikash Nagar, IEEE 2016

During this project equipment can control house strategy and display notifications electronically via an Android app built. So the hardware can perform roughly two functions. To display notifications, the user can use the same program to write an ad and click the submit button to display it. Both functions can be is only used when the user's SIM card has enough balance, as each use costs a fixed amount TEXT MESSAGE. The hardware consists of an ARM-based LPC2148 microcontroller that communicates with the application Via a GSM mobile phone network module that uses a SIM card to receive messages.

3. Neeraj Khera and Divya Shukla, IEEE 2016:

Industrial a easy and reasonable Android-based unattached bulletin panel. They recommended that the system use either Bluetooth or Wi-Fi-based wireless serial data communication For this, Android-based application programs for Bluetooth and Wi-Fi communication Used between Android-based

digital assistants and a wireless remote display. at the receiver, a cheap microcontroller board (Arduino Uno) is programmed to receive and display messages. one of the communication methods above. Two differentscreen applications using the developed system messages on a remote digital bulletin board and calling a wireless person were implemented. Improved Therefore, the goal of the system is to share data wirelessly with desired users and save time and the cost of paper and printing equipment.

4. S. Rubin Bose and J. Jasper Prem IJRIER 2017:

On a GSM-based scrollable LED show The GSM disk drive communicate with the embedded controller via allochronic serial communication. The embedded controller sends a series of AT commands to read the message sent by the user. Quickscreen message via wireless ona smart bulletin board. The GSM-based system offers display flexibility faster than a programmable system. This system is easy to use and durable and can be used by anyone andanywhere in daily life less errors and maintenance. The titleof the magazine is the design and implementation of several LED billboards using ZIGBEE technology that the proposed system is processed by multiple transmissions and the message isenteredfor only one recipient. The microcontroller controls multiple LEDs to correct the message pattern. Here, the wireless communication distance is limited, and this method is not suitable for long-distancebroadcast communication.

5. Fizza Hamid, Nusrat Hamid shah IJESRT:

It is a long and physical structure tomanually mark a different message from time to time to solve the wireless programmed presentation board idea proposed in the publication. The confirmed message is then displayed on aseparatescoreboard, making the whole method simple and fast.

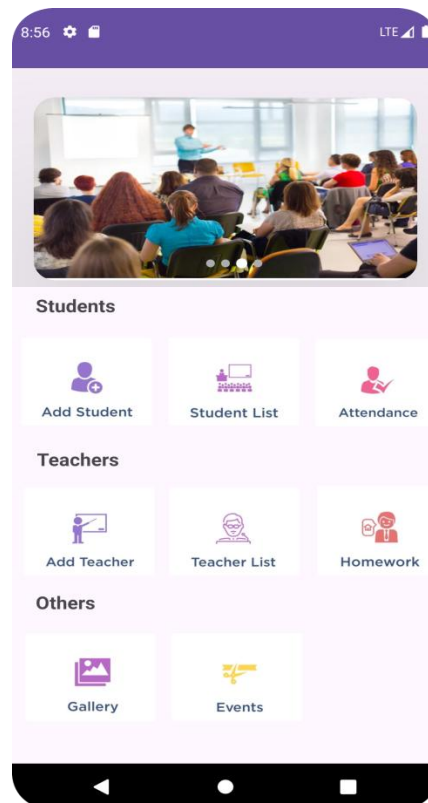
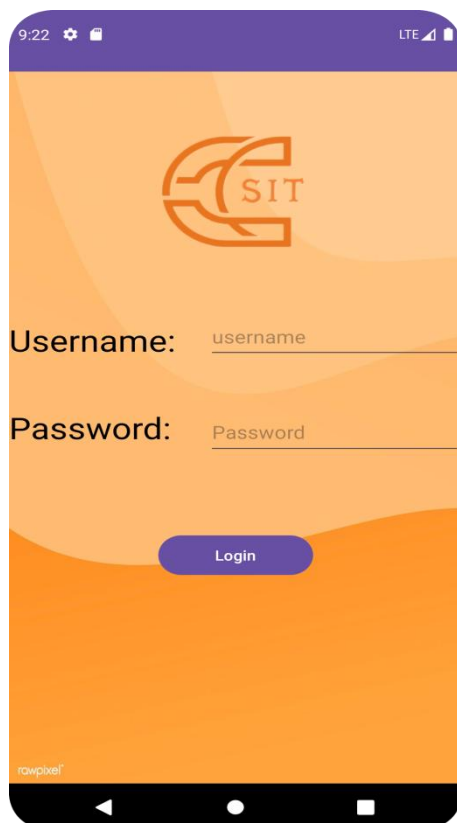
PROBLEM STATEMENT

Our department was facing problem about the paper work used to manage all records about the Students. They had to preserve the all Student data and teacher data in paper form. They were always worried about the destruction of the Records of students. So to solve this problem, we had developed this App. This will now help the teachers to manage the records easily and to perform various operations on data without any worry about the destruction.

PROPOSED SYSTEM

The main motive of this app is to help the teachers to reduce their paper work so that they can easily manage and do their work. This digital technique will definitely help them to manage data effectively. This system has the various options about the Students and Teachers. We had built this app in Java and XML, which are also easy languages to understand and use.

SYSTEM DESIGN



CONCLUSION

This proposed system is very much helpful to the teachers to handle the vast data of Students. This system will keep track of all data about the students and teachers and also the Activities under the Department. We had also provided the security to this app in form Username and Password. So that no other person will access the data without authority. Also we had provided the in-build facility in app of speech format given during the initial and ending of the Event.

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