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I Corner based on Android Application

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Abstract: Android is an open source mobile operating system based on Linux with Java support. It comes under free and open source software licenses. As of May 2017, it has over two billion monthly active users, the largest installed base of any operating system, and as of December 2018, the Google Play store features over 2.6 million apps. The existing system is sending marks through postal method. If the registered address is changed or altered, it will continue to be delivered to the same old address until the new address is updated. To solve this problem, an android app is created so that parents and students can view their respective internal marks and semester marks and also they can view the timetable and circular for the current semester.

K*eywords: Android, JSON, MySQLi, Information Retrieval, Smart phone*

I. INTRODUCTION

The android application iCORNER can be used by the students, parents, faculty members in order to view the marks obtained by the students in the internal examinations, to view the attendance percentage of the students for every internals and also to view the marks gained in semester examinations.

It can also be used to view the daily schedule year wise and also to view the circular in common. All the transactions are done in the background. Java and XML is used for the front end. MySQLi database is used for the effective data storage. Every student and parents need to know the marks and attendance status after each internals and semester exams. There should not be any delay in getting those data.

It will be more effective if it is done by an android application that displays marks, attendance percentage, and circulars. All the data can be viewed whenever needed, i.e., anywhere and anytime. It will be more efficient than the existing method of delivering the results via posts.

II. LITERATURE SURVEY

The existing system for the students to view their internal marks and the attendance percentage is through the report card received by the postal system. If the student is absent on a particular day the absent status will be send to the parent contact number as a text message.

There is no existing mobile app for our college to view the internal and semester marks.

N.Banupriya[1] I.Juvanna[2] (2012) proposed a mobile application for educational Guidance and Counselling (G C).This application is designed especially for college and university student.

The application provides an effective interaction of online counselling among a student and a counselling staff regarding a student's academic and personal success, drawbacks, problems and feedbacks.

Arjun Hanswal (2015) proposed a Android based internal marks viewing system. In this paper, the student's marks during every internal exams are collected and stored in a database. All the details are viewed using an android application.
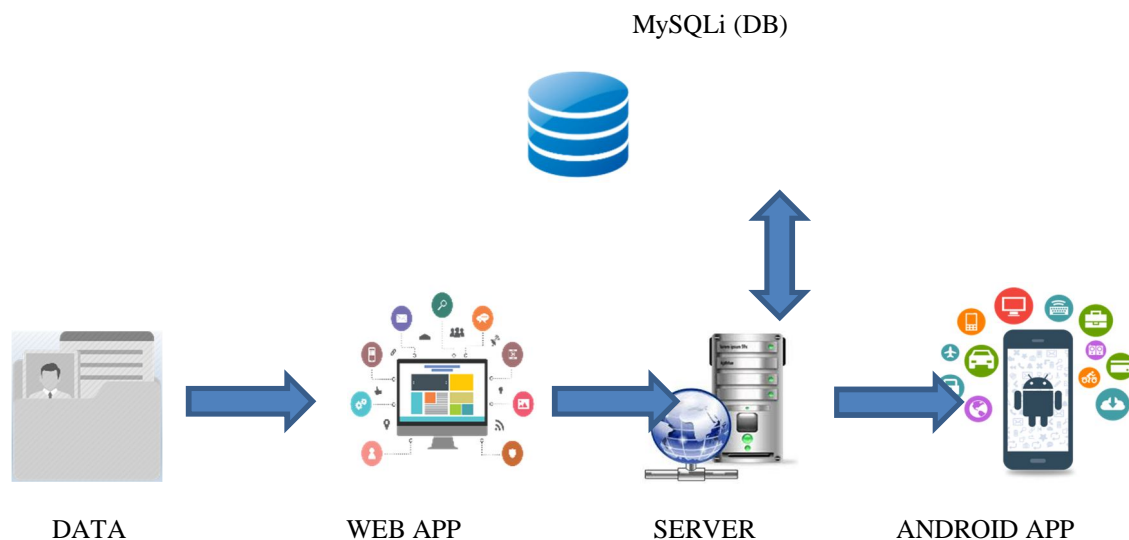
Ankit Bansal[1],Ajit Rana[2],Akhil Bansod[3],Prafulla Baviskar[4] (2015) proposed a mobile based Campus information Retrieval Android Application. Here they introduce a novel approach to share information via an Android application between students and lecturers via HTTP technology in order to enhance the excellence of information in campus environment.

III. EXISTING SYSTEM

The existing system is sending marks through postal method. If the registered address is changed or altered, it will continue to be delivered to the same old address until the new address is updated. To solve this problem, an android app is created so that parents and students can view their respective internal marks and semester marks. The application is designed using java in the front end and the MySQLi as the database for the back end. Students/parents can view the results by logging in using their respective login id, which is already registered by the faculty into the database. Only the authorized users can view the results, and the respective data.

IV. PROPOSED SYSTEM

In the proposed system, the faculty with their login will update the internal examination marks, semester examination marks and the attendance of students. The faculty members can view the attendance percentage or marks of the students by using only their roll number. And any student/parent can view the details of the student by using the roll number and password. They can view only their own marks. This serves as a report card through an android application rather than posts. There won't be any delay in viewing the marks once the faculty update the marks in the server the candidate can view their results.

MySQLi (DB)

DATA   WEB APP   SERVER   ANDROID APP

The features and characteristics of the components used are given below:

A. Smart Phone

A Smart phone with Android version above 5.0 is used for retrieving data from the server. 30MB is required for storage and 1GB RAM.
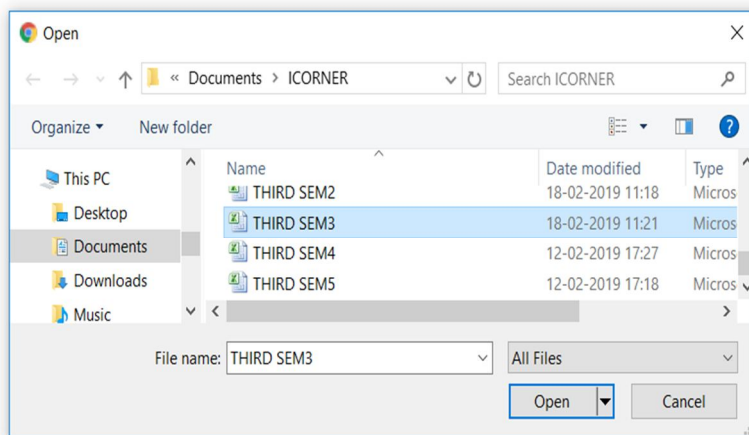
B. Server

Server is to import data from the database which is to be retrieved in the android application.

C. MySQLi

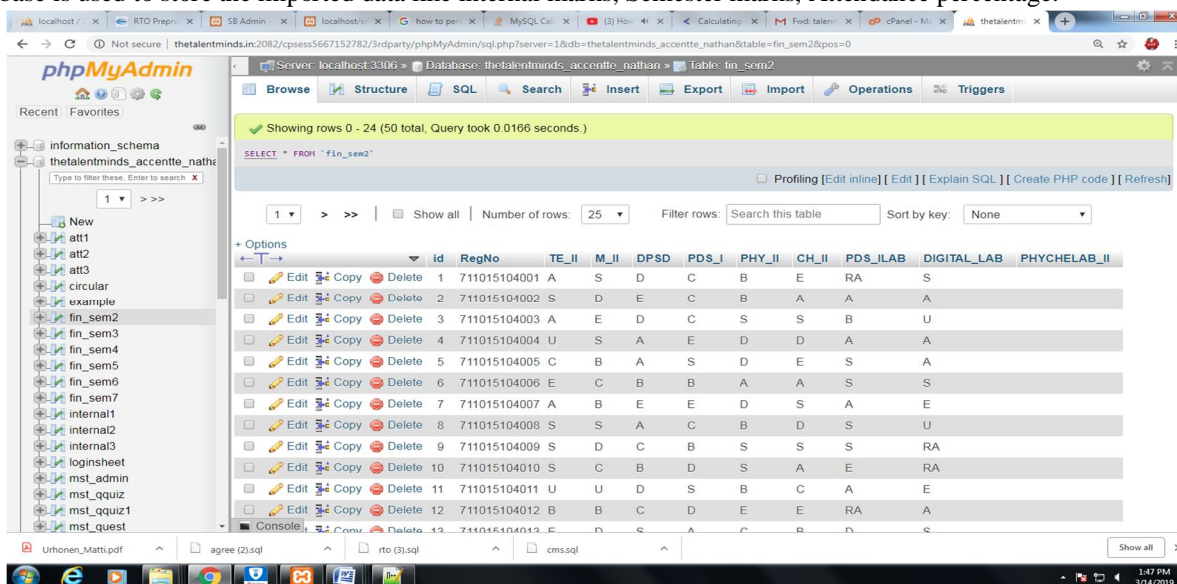MySQLi database is used to store the imported data like internal marks, Semester marks, Attendance percentage.

V. CONCLUSION

This product will be helpful in future for the students for viewing their internal marks and semester marks, anywhere at anytime. Staffs can view details(marks) of all the students, just by searching their register number. There is a separate portal for staffs and students where staffs can view all the students details, whereas the students can view only his/her particular details. The former method of knowing the internal marks, i.e. by the postal method is just upgraded using the latest technology. The technology uses android application to display the results and schedule clearly. The android application displays the internal marks, semester marks, schedule, attendance percentage and the circular separately for each module for all the users with certain restrictions to the students.

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