

# ANDROID BASED STUDENT INFORMATION SYSTEM

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**Abstract:** This paper is aimed to developing on Online Internet Based Information System that is of importance in educational institution or collages. The proposed system is an Android application to manage all the activity of a student in his academic session. This application is introduced to keep a tract on various activity of the child through his or her parents. The various important key relations to student life is included in this application through which parents get aware of their child. Another thing parents are not aware of their child regularity and its seriousness towards his collage and study , so this application is made get know parents about their score and attendance and as well as other notices related to their academic session of which parents are not aware.

**Key words:** Android mobile , JSONS Notification.

## 1. INTRODUCTION:

The Android Based Student is developed to provide student information regarding collage activities such as events organized at collage level and department level as well, circular activities, conferences, attendance, marks, general notices etc. This information should be provided to student in a effective way.

If we look towards a real scenario normally done in collages that the notices and marks were displayed in notices board through which only students get know about it but parents not, to get it know to parents also this application is made. This application mainly woks in two model first the Android mobility application and secondly the Web side application in which JSONS web application service is used as well oracle database is provided.

The working is done in two models, like firstly the admin which is going to enter all the data of students in database it will be its attendance, marks, and its remarks towards his or her performance, any notice and lastly information about his or her fees. The admin enter this data in database and according to a specific students parents will login from an Android application by providing correct user id and password for login, after login whatever the data is entered in a system of that sacrifice student is reflected to its user from database to Android mobile application. Our system has seven modules, they are administrator, student, course, department, exam, attendance through mobility services its get efficient and get replaced this entire problem.

## 2. LITERATURE REVIEW:

Presently to maintain information about different aspects, the collage is using manual process i.e. using books and ledgers. Now the collage requires a computerized environment where it is easy to storing

information about student details, their attendance, marks, report faculty, course details, and schedule so on.

So after seeing this we know that this manual process is time consuming, and it's difficult to maintain the data also and its leads to wastage of stationary and increasing human efforts to maintain this all. So by using this computerized application through mobility service its get efficient and get replaced this entire problem.

## 3. PROPOSED WORK:

The ABSIS is one of the automated wireless applications. This application is centralized by the objective of design of new system to automate the current procedure by managing it automatically. The developed application keeps the information on a central server which is to be access by the user by providing a correct user id and password. The information which is kept on a server is accessed through ABSIS mobile application installed on user's Smartphone. By using this application moreover the redundancies of data as well as effectiveness of the data correlation of a specified student can be managed easily.

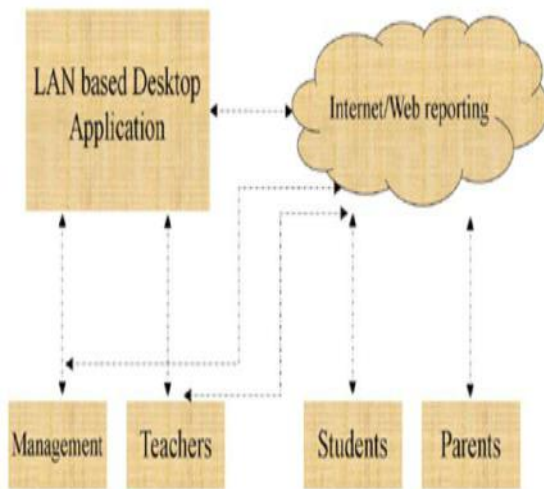
The developed application required the following key attributes:

- Easy updating of information.
- Keep student data updated.
- Efficient allocation of resources.
- Ensure timeline management.

## 4. DATAFLOW DIAGRAM:

The above diagram shows the working of an ABSIS application. The admin is going to put all the data on a server and user that is students, parents, faculties as well as admin going to regulate or access

the entered information by using internet. The above scenario shows the working of an application through which the application is retrieved from the web server



through android smart phones.

## 5. REGISTRATION AND LOGIN:

Given that the user has downloaded the application, then the user should be able to register through the application by providing the details required for registration. Starting from academic session, it is required that user should register for the application at the beginning of every semester. After registration the user can login into the system by providing the user id and password.

## 6. STUDENT DETAILS

It includes three entities

- Personal details
- Academic details

The students are expected to enter their personal details which will then be verified by the teachers. The personal details include residential address, email address, contact details (students as well as parents contact details) etc. The teachers are expected to enter the academic and placement details. Academic details include students CGPA. Placement details can only be entered in the final year and includes the company name where the student is placed and his pay package or if the student has opted for higher studies then the corresponding details will be entered.

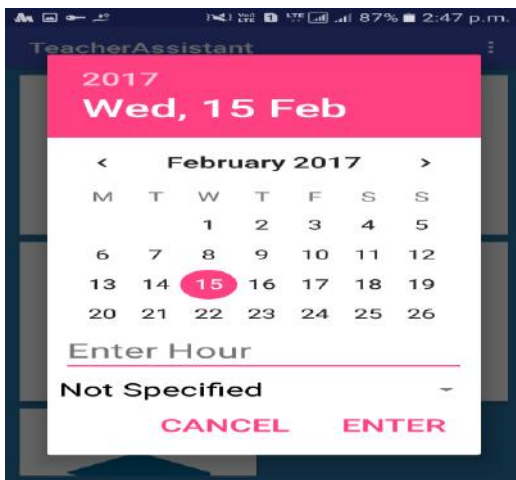
## Notes

Notes can be posted by teachers from their respective login and can be viewed on a notes board section of the application with title for a notes associated with it. The notes for a particular class will be broadcasted to that class only.

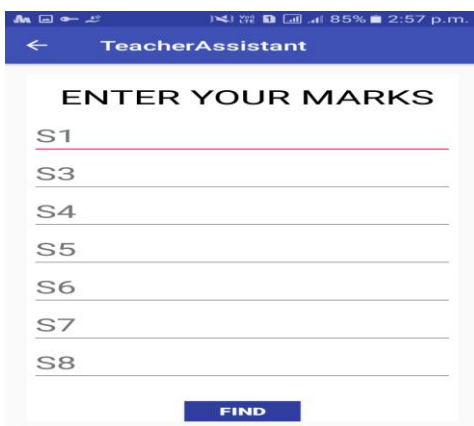
## Attendance

Subject teachers for each semester are required to enter the attendance details of students. The system should be able to generate attendance reports (for lectures and practical's) for individual student for each

subject. These reports will be sent to the student as well as his parents periodically. The teacher can also view the attendance record of students during a particular interval. If the attendance of some student falls below the threshold value, then the particular student should be notified regarding the same.



### Aggregate generation



It includes generation of attendance reports for lectures as well as practical's for individual student for each subject. Other reports such as academic details record etc. can also be generated. These reports can also be sent to the student as well as his parents if required.

## 7. CONCLUSION:

As the work goes manually in all the colleges this application is developed to assure the information about a specified student. The design and implementation of the mobile applications named "ANDROID BASED STUDENT INFORMATION SYSTEM" leads to make an system very efficient as well as reliable.

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