

# Android App for Classified Information Sharing in an Educational Institution

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**Abstract:** The app can be used by educational institutes or colleges. The app provides a simple interface for maintenance of student information. This app will be helpful to students, lecturers, HOD and principal. It will deal with all kind of student details, academic related reports, department details, curriculum, batch details, placement details, online study material, notices, results, timetable and other resource related details too.

**Keywords:** Information, academics, notices, timetable, results.

## I. INTRODUCTION

This project is an online gateway for students and faculty. This inventive system lets college faculty to share essential data as well as notifications with students. Consisting of faculty as well as students login. Faculty can upload documents of subject syllabus, timetable document, notifications, e-notes and so on over their provided login. Here faculty can upload documents corresponding to different departments. Students can search, view and download essential documents over their android device. Here students can view and download data of their particular semester. Faculty can access and upload/oversee documents to any semester or add any announcement as anticipated.

## II. EXISTING SYSTEM

In the existing system faculty usually share any information with the students through notice board, verbal communication, mail or messaging systems. In order to convey information to the students it should be displayed on the notice board and the student will have to visit the notice board to check that information. It takes a very long time to deliver the information to the student. Paper records are difficult to manage and track. The physical stress required to retrieve, alter, and re-file the paper records are all non-value added activities. When the information or documents are shared via papers and files there is a possibility of loss of any documents or important information. Also in the existing system all the information is not organized in a single place.

“GroupNotes: Encouraging Proactive Student Engagement in Lecturers through Collaborative Note-taking on Smartphones”, by Mark Reilly and Haifeng Shen, according to this system lecturers will upload the study material to the repository through GroupNotes server and students can install the GroupNotes app in their smartphones and can access the study material stored in the repository via GroupNotes server.[1]

“A Research Paper on College Management System”, by Lalit Mohan Joshi could be a system used for monitoring attendance for the college. Attendance of staff and students and also marks of the students will be updated by staff, student/staff can access the system to either upload or download some information from the database. [2]

“Android Application for College Management System”, by Purvi Sankhe, Hardik Punamiya, Vatsal Prasad, Raj Shrivastav a system that aims to connect students, faculties and administrative staff of an establishment, here students are able to access notes that are uploaded by faculties and check for his or her progress report on monthly basis.[3]

“Android Based Student- Faculty Document Sharing System”, by N.Surya, M.Soniya, M.Sathya, T.Mukesh, G.Kavitha is a Department app by Android is an cohesive System established to help department management groups by permitting Students, H.O.D and Lecturers to instantly send and receive any data or information. This App is aimed to attenuate the quantity of minutes as compared to using some website application.[4]

“Web Based Student Information Management System”, by S.R.Bharamagoudar, Geeta R.B. S.G.Totad is a system that contracts with all types of student details, academic related information, college details, batch details, course details, placement details and additional resource related details. [5]

“Android Based Department App – Using Smart Phone”, by Priyanka Jichkar, Kalyani Gawande, Arshadkhan Pathan, Gangotri Nathaney is a system which is used by students, lecturers and H.O.D that gives student details, assignment details, timetable of examinations, results, notices and other department details.[6]

“Android App for College Management System”, by Sumit Ghardale, Vaibhavi Avachat, Aarti Erande, Bhavesh Shah is an application where students, faculty, HOD and principal can login with OTP and here faculty, principal, HOD can provide information associated with assignments, result, attendance, notices and other department related details.[7]

“Mobile Web Based Android Application for College Management System”, by A.J.Kadam, Aradhana Singh, Komal Jagtap, Srujana Tankala is a system that aims to produce mobility and automation to the method of managing student information and provides access to information associated with college, departments, uploaded assignments, notes, new and events, exams and daily timetable.[8]

“Android College Management System”, by Vishwakarma R Ganesh is a system that is helpful for students and staffs which provides details related such as notifications, attendance, results add also has feedback feature. [9]

“Smart College Management System”, by Suman Chatterjee, Manish Kumar Thakur is an application which provides interface between college staffs and students where in the staffs can upload results, attendance, share subject notes and other notifications. [10]

### III. PROPOSED SYSTEM

Most of the college students get the hard copy of the notes required. Since the technology is improving day by day we will use this technology in a well versed way. Generally the faculties share the documents over some hard copies and hardly through the soft copies. To overcome all these problems, the student faculty information sharing application can be developed.

#### Advantages of Proposed System:

1. Using this application, the students need to just download the documents that are shared by the faculties.
2. It will also save a lot of money that they pay for the hard copies.
3. It is easy for the faculties to upload the documents since they can do it through their mobile phones.
4. The students will be able make quick download from anywhere using internet.
5. The students can download the documents of the particular semester that they need.
6. This application will also help to promote better communication between the students and the faculties.
7. It will also allow the faculties to upload the documents on time and reduces the physical work.
8. The app has a login page which allows only the authorized users to login and thereby preventing unauthorized access.

### IV. SYSTEM ARCHITECTURE

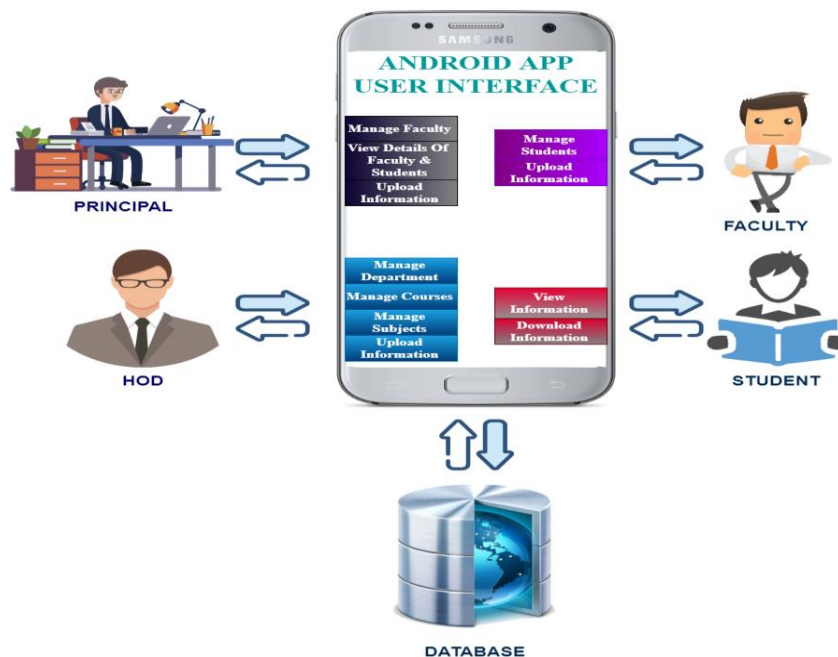


Fig. 1 Architecture of Classified Info Sharer

**V. MODULES****A. Principal**

1. Responsible for adding and deleting faculty
2. On adding a faculty to the app, a SMS message will be sent to the concerned faculty with his login credentials
3. Can view details about faculty and students
4. Can upload information and documents about Timetable, Seminars, Workshops, Placements and any other notices related to the institution

**B. HOD**

1. Responsible for adding and deleting department
2. Responsible for adding and deleting courses
3. Responsible for adding and deleting subjects
4. Responsible for adding and deleting students
5. On adding a student to the app, a SMS message will be sent to the concerned student with his login credentials
6. The information conveyed by the Principal will be made available to the concerned faculty by the HOD

**C. Faculty**

1. Responsible for adding all the documents pertaining to notes, presentations, reference links and text books, past year question papers, aptitude tests required for placements
2. The information conveyed by the HOD will be made available to the concerned student by the faculty

**D. Student**

1. Can download all the required documents relevant to his course of study and information.

**VI. CONCLUSION**

This app is suitable for any institution or faculty and the features of this app is easy to use. The app comprises of individual login to faculty and students. The faculty can transfer the warnings, e-notes, syllabus, timetable and some other essential data through their personnel login. This makes the app secure.

**VII. FUTUTRE ENHANCEMENT**

In the proposed system there is scope for improvement. Following are some of the enhancements

1. Discussion Forums - Here the students can discuss subject related issues with the concerned faculties.
2. Parent Module - Here the Principal or Faculty can share information or documents with parents.

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