

COLLEGE INFO BOOK

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Abstract: In this rapid evolving world, every manual work is being automated. The application College Info Book (CIB), automates the information sharing within college. It also regulates the student and faculty details accurately over a span of years. This application is mainly for students for ease access of information. This will help students to view their Internal details, attendance and also required materials of the subject. Student and Faculty can send the feedback to the admin regarding the college facilities. This application facilitates student and faculty to be updated with ontime college notifications.

I. INTRODUCTION

College info book is a web application which helps in automating the system of conveying the academic information to faculty and students. Earlier, college updates were accessed manually which was time consuming and burdensome. So to overcome this "CIB" was proposed. In this application faculty enters the details such as notes and question papers, internal marks and attendance, and students can fetch the information easily. Admin is the one who regulates this application in secured way. Admin updates the database with the details of faculty and students by providing authorization to them. He can also notify members of college regarding events conducted in and out of college. Faculty, after being authorized by the admin can then upload notes and question papers and update the internal marks and attendance. Students can view all the notifications posted by faculty and admin and also can give their feedback. HOD is one among the faculty who has privileges like assigning subjects to respective faculty, providing details of internal assessment to students.

II. EASE OF USE

2.1 Purpose of Document

This paper gives an overview about the automation of accessing college information to students and faculty. The purpose of this paper is to describe the functionalities of the application and make it familiar to other colleges.

2.2 Scope for development of this paper

- Admin can notify the students and faculty with any kind of activities/ information related to the college.
- Faculty can upload notes/question papers, update internal assessment details and also can notify the students regarding the classes and class related information.
- Student can view and download all the information or materials which are posted by the admin and faculty, and also can give feedback to admin.

2.3 Modules of the system

A. Admin

Admin is the one who regulates this application in secured way. Admin updates the database with the details of faculty and students by providing authorization to them. He can also notify members of college regarding events conducted in and out of college. The submodules in admin are:

- Add Faculty: Admin adds the new faculty to the respective department and updates the database.
- Student Request: Students register by providing the details and the request is sent to the admin and admin must check the student details and accept/decline the student's request.
- View Feedback: Views the feedback sent by the Faculty and students.
- External Details: Admin can upload the details of external fee, time table and seating arrangement.
- Send Notifications: Admin can send college level notifications, Campus details, Events.
- Send Sms: Admin can send the sms to faculty and students registered numbers in case of emergency.

B. Faculty

Faculty, after being authorized by the admin can then upload notes and question papers and update the internal marks and attendance. The submodules in faculty are:

- Attendance/Marks: Faculty can update the students attendance percentage and internal marks.
- Assignment: Faculty can give the Assignments to students.
- Upload Notes/Question papers: Faculty uploads notes and question papers of different subjects.
- Send Notifications: Faculty sends notifications to students.
- View Notifications: Faculty can view Notifications sent by admin and HOD.
- Feedback: Faculty sends the feedback about the facilities in the college to admin.

C. HOD

HOD is one among the faculty who has extra privileges like assigning subjects to respective faculty, providing details of internal assessment to students. The extra submodules in HOD are:

- Add subjects: HOD adds sem wise subjects to the database.
- Assigning Subjects: HOD assigns respective subjects to the respective faculty.
- Internal: HOD uploads the internal seating arrangement and timetable.
- Send Notifications: HOD sends the department level notifications to the faculty and students.

- View Notifications: HOD views the notifications sent by admin.

D. Student

Students can view all the notifications posted by faculty and admin and also can give their feedback. The submodules in student are:

- Attendance/Marks: Students can view his/her Attendance and internal marks updated by faculty.
- Assignment: Students can view the assignment questions posted by the faculty.
- Download Notes/Question Papers: Students downloads the required materials.
- External Updates: All the external details which are uploaded by the admin can be viewed by students.
- Internal Info: All the internal details which are uploaded by the HOD can be viewed by students.
- View Notifications: Students can view all the notifications which are posted.
- Feedback: Students can give feedback about the college and faculty.

2.4 Existing System

The Interactions among the faculty, or the students with the faculty is a manual process in the colleges. The activities such as receiving Notes/Question papers from the lecturer, Notifications about the college events and the external updates such as time table, paying fee, seating arrangement are manually i.e by viewing the notice board.

2.5 Limitations of Existing system

- It takes very long time to inform all the students about the announcements.
- Students may not be conveyed with the actual information.
- It may be hectic to the faculty to inform each and every student about the classes and show them internal marks/ attendance.
- Students cannot give their own feedback personally.

2.6 Proposed System with Benefits

College Info Book is an application which automates and facilitates the interaction among the faculty and even in conveying the message or notifications to the students. It helps in reducing lots of manual and paper work for the faculty when compared to the existing system. By using this application it is easier to overcome the limitations of the existing system.

Benefits:

- The news announced by the senior faculty is viewed or received by the students without any modification.
- The notification is conveyed to students within a fraction of second.
- All the faculty members can update student details to the database from their own system and students can view immediately after details are updated.
- Student can give their own feedback which is viewed by the admin and there is no disclosure of the personal details of the student.

III. SYSTEM REQUIREMENTS AND SPECIFICATIONS

3.1 Functional Requirements

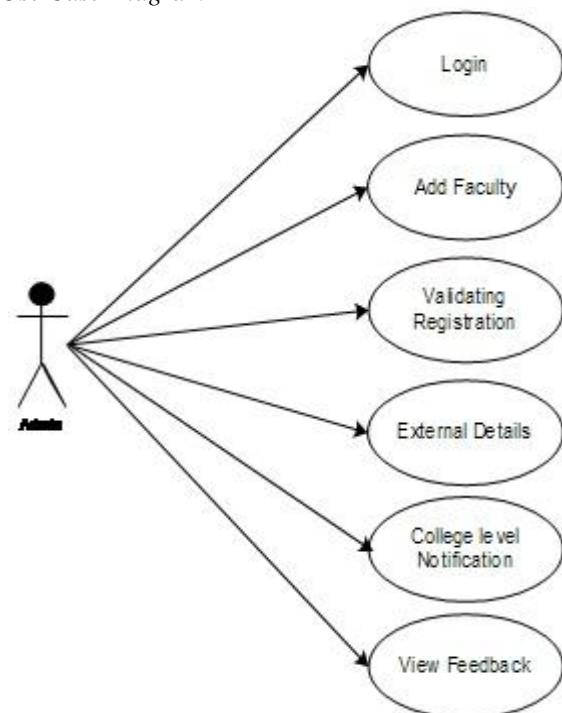
- Login: Admin, HOD, Staff & Students gets registered & logged in by entering the username and password.
- College Level Notifications: Admin sends college level notifications to HOD, Staff & students.
- Department Level Notifications: HOD sends department level notifications to Staff & Students, Staff sends Subject related information to students.
- Uploads: Staff uploads Notes, Question Papers, IA marks & Attendance according to the respective subjects.
- Feed Back: Faculty & Students write their feedback to the admin.

3.2 Non Functional Requirements

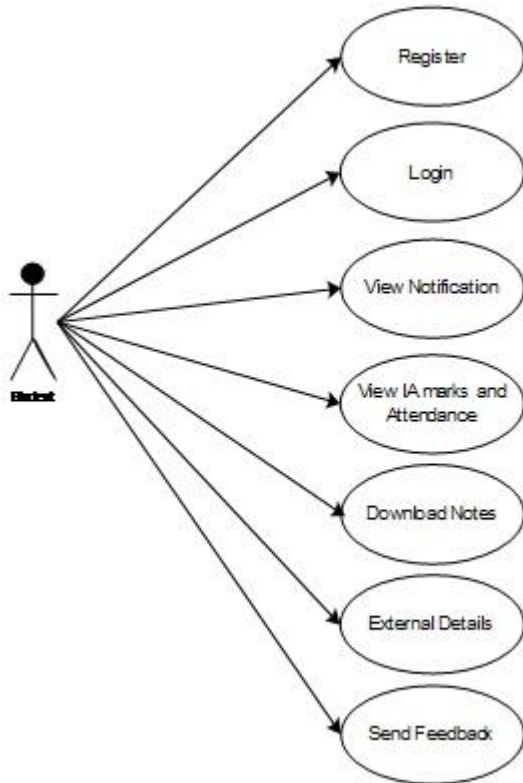
- Speed: The proposed system will provide faster access to database and allow to view and download information in easier way.
- Accuracy: The level of accuracy in the proposed system will be higher. All operation will be done correctly and it ensures that whatever information received from the central database is accurate.
- Security: There are various categories of people namely Admin, HOD, Staff and Students who will be viewing either all or some specific information from the database. Depending upon the category of user the access rights are decided, thus ensures security of the system.

IV. SYSTEM DESIGN

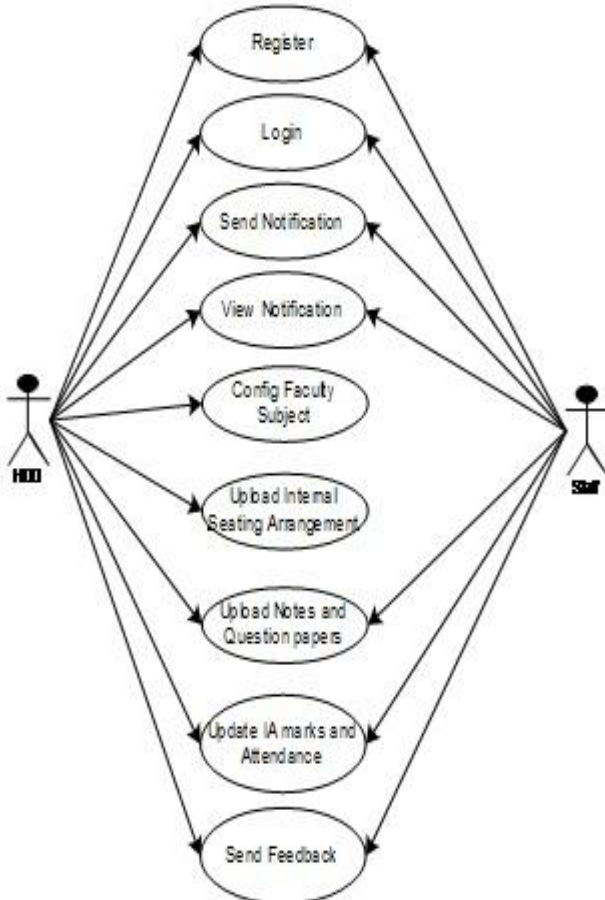
4.1 Use Case Diagram



Use Case Diagram for Admin

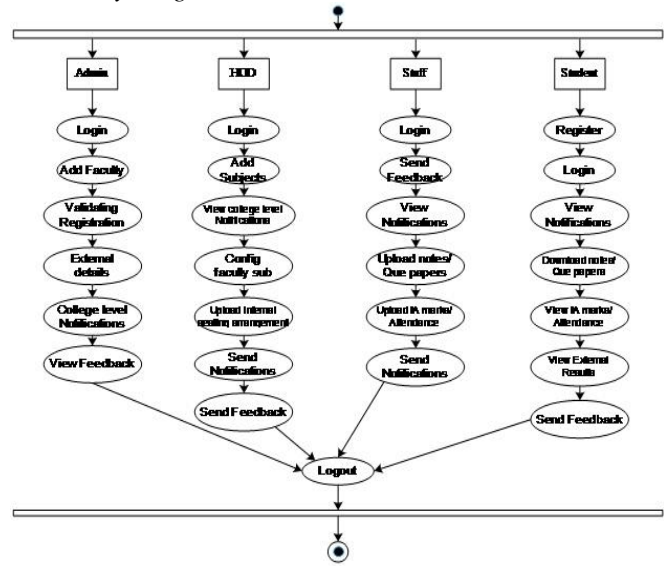


Use Case Diagram for Student



Use Case Diagram for HOD and Staff

4.2 Activity Diagram



Future Scope

The developed application “College Info Book” can be made more efficient in the future by even adding library details in order to facilitate the members of the college to easily locate the necessary books at the library. It can also be used to update the students with information at university level in turn which helps the students to know about the pool campus and events conducted outside the campus. Thus helps the students in accessing the information more easily.

V. CONCLUSION

“College Info Book” automates and facilitates the end users to fetch the academic information from the faculty and admin. It also helps the admin to regulate the educational organisations in an efficient way. Faculty can easily convey the news to their students about classes, lab internals, internal syllabus, assignment and any other sort of information. Student can get the notes and question papers, internal and external updates. All administrators, faculty and students can get the required information without delay.

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