

Student Management System Using Android Studio

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Abstract: The main aim of this project manages the activity of automatic results, attendance and exam details, event announcement etc. Administrator identifies the student details, fee information, event notifications etc. Initially, a student can need to register with the application by submitting details of photo address proof, and required details and submit through online. Administrator has the power to verify the data entered by the student and at the same time the student can view and apply their needed requirements. An authorized user should have a student name and password to access detailed information from the site excluding or accessing general information in shared, public pages. Easily, a student can identify exam date, time table, and results information, book materials etc in department website. Faculties share their subject materials to the students in order to reduce inefficiency. Attendance and leave status for both students and faculties are also maintained efficiently.

Keywords: Android, Results, Attendance, Notifications.

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I. INTRODUCTION

Student management Systems provides a complete On-Line solution for college administration. Student Information, Online Results, Question Papers, Online Attendance, Alumni Meetings, Symposiums, Cultural etc are the main of Student management System. Dynamic and highly motivated, with a liberal & modern outlook on education and organization and a contemporary vision and working style, Educational Management are trying to Incorporate modern concepts, amenities & system to create a forward and vibrant institute, comparable with best & most modern in country. Educational Management is able to manage student personal information, Educational statistics and highlight achievements and awards. Fee collection of the students is a cumbersome task and there would be a system in place to monitor the fee collection and report to the account department on regular basis. Finally account department to manage, monitor and generate all account detail during the operation of Educational management. It is a comprehensive system that addresses all functional requirements that can be implementing in operator of College management. Below modules, which scope the entire operational requirement of any Student Faculty Document Sharing System.

The design and implementation of the system is to provide service in colleges. The system is to provide comprehensive student information system and user interface is to replace the current paper records. College Staff uploads attendance, notes, results, fees details and college notifications through a secure, online interface using web interface. All data is thoroughly reviewed and validated on the server before actual record alteration occurs. The system plans for student user interface. All data is stored securely on SQL servers managed by the college Administrator. The system decreases paperwork and time needed to access student records. Previously, college relied heavily on paper records for this initiative which had its own disadvantages. This system provides a simple interface for the maintenance of student information. It can be used by educational institutes or colleges to maintain the records of students easily. Achieving this objective is difficult using a manual system as the information are scattered, can be redundant and collecting relevant information may be very time consuming. Our proposed system ensures

to overcome these limitations. The paper focuses on presenting information in an easy and intelligible manner which provides facilities like attendance monitoring, downloading notes, circular notifications, result viewing thus reducing paper work and automating the record generation process in an educational institution. There is an increasing trend for higher education institutions to be expected to monitor student records. Online Attendance and Feedback System is software developed for daily student attendance in schools, colleges and institutes. It facilitates to access the information of a particular student in a particular class. There is another part which is feedback, the student can give the feedback at anytime from anywhere to faculty. This feedback can be reviewed by the admin or the management committee of the institute through which the confidentiality of the feedback of the faculty can be maintained. This application is developed for daily student management in colleges and institutes. It can also be useful in an organization or company at a certain limit not the whole application

II. PROPOSED SYSTEM

The proposed system has an android app or a web services, where the user can login to perform operations. It contains the following activities, which try to automate the entire process keeping in view of the database integration approach. We propose a schema of maintaining records like fee details, exam results, seminars, cultural, symposium, alumni events, convocation, no due forms etc. The admin allotments will be processed on the date mentioned in the notification based on examination date, exam results, student details, departments schedule. Materials are also shared by the concerned faculties to the related students based on their departments. All the parameter are considered to maintain neat and easier solutions. In college to maintain all student records they need have more staff and also place to maintain the records. Even maintained properly when ever required they are not available. It serve the purpose of maintain records like Collecting fee, Announcing the test results, Material sharing Etc. The proposed system is overcome the existing system drawbacks. The proposed system is to completely automate the old manual procedure of conduction attendance, results and exam schedule, faculty information, Event Notification etc. In this system, the admin allotments will be processed on the date mentioned in the notification based on examination date, exam results, student details, departments schedule, as per rules and will be placed through an online system. In this system, the admin allotments will be processed on the date mentioned in the notification based on examination date, student details, departments schedule, exam results as per rules and will be placed on the system. And, student results through department website. Additionally the no due and the convocation payment can be done through online which reduces the students' burden.

III. MODULES

ADMIN MODULE

Academic plans and structures are added by the administrator. Various course details and its structures are planned and intimated to the concerned department HOD's. Entire student and faculty information are gathered and maintained for better efficiency of the system. Attendance information are managed for both faculties and students, which provides easy access. Lab events and its requirements are processed by the administrator, which enriches the organization effectiveness. Various events and campus information are notified to all by the administrator. From which eligible candidates of various departments can participate and attain their excellency. Notification related to the institutional functionalities are provided to the staff, students and as well as to the parents in the system. Queries of staffs ,students and parents are processed and necessary actions are taken by the administrator.

HOD & FACULTY MODULE

Register their details and attain unique ID to access the system. Registration Details has been approved by the administrator. Events that are manipulated by the administrator are managed by the HOD and faculties. After login HOD and faculty can view and gather the details that has been provided by the administrator, which enables to enhance their course structures and subject information. Intimations are provided to the HOD to pass on to the faculties and to the students which is related to the academic structure. Various enquiry information can be notified and processed to take regarding actions for better guidance. Notifications that are related to the academic and to faculty and student information are managed. HOD's and faculties can submit their queries related to their procedure.

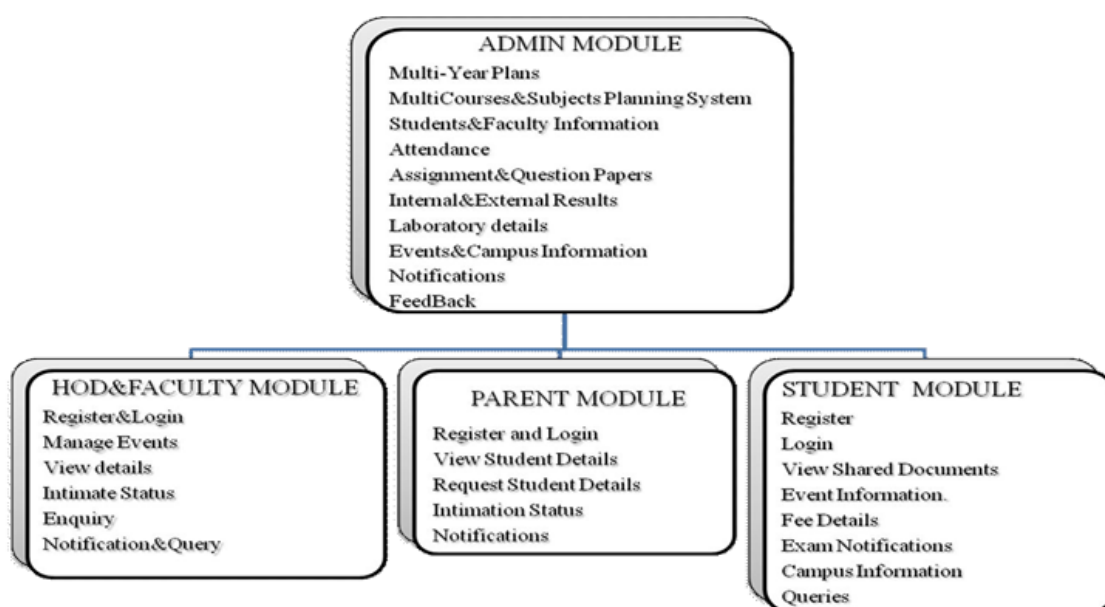
STUDENT MODULE

After login student can view and gather the shared materials that has been provided by the administrator, which enables to enhance their course structures and subject information. Events that has been organized by the admin and its details are provided to the students to participate or organize or to

attend the events that are to be conducted in the institution. The fee structures are notified by the admin as well as the HODs to the students and parents. The intimation will be provided earlier to every student in the institution. Prior exam schedules and exam events are notified to the students which provides complete knowledge in a single click. Campus details and the requirements for campus interview are noted and intimated to the eligible students. With those information students can attend the campus events that are organized by the institution. Various queries are processed and needed requirements are provided in a timely manner.

PARENT MODULE

Parents can register their details and attain unique ID to access the system. Registration Details has been approved by the administrator. Using unique ID and password for parents, can manage to access the complete system. After login parent can view and gather the details of the students that has been provided by the administrator. Which enables to enhance their student fees details, marks information and various student activities. Various queries are processed and needed requirements are provided in a timely manner.



IV.EXPERIMENT AND RESULT

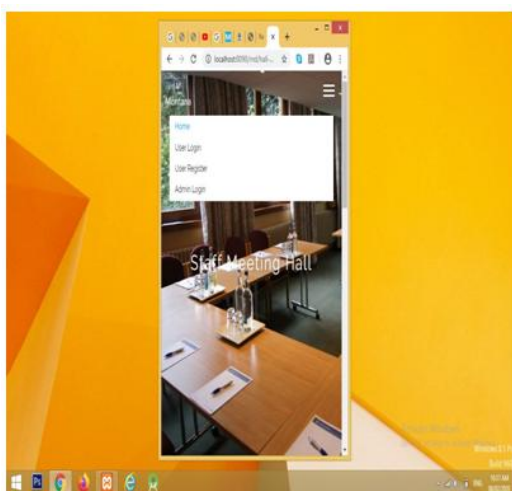


Figure 1: Home page

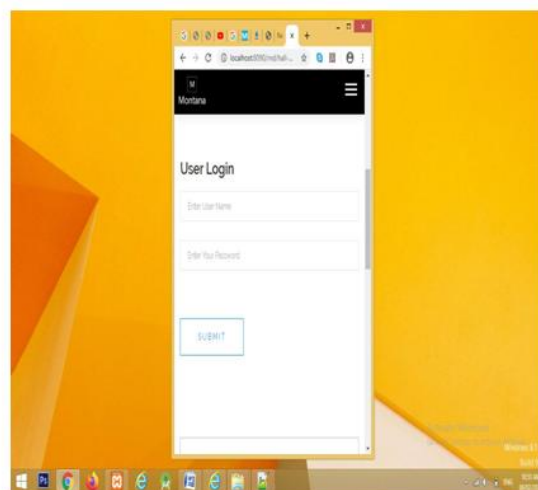


Figure 2: User login

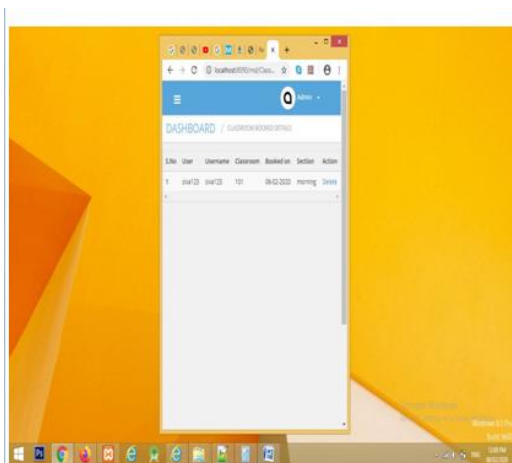


Figure 3: Student registration and booking classroom

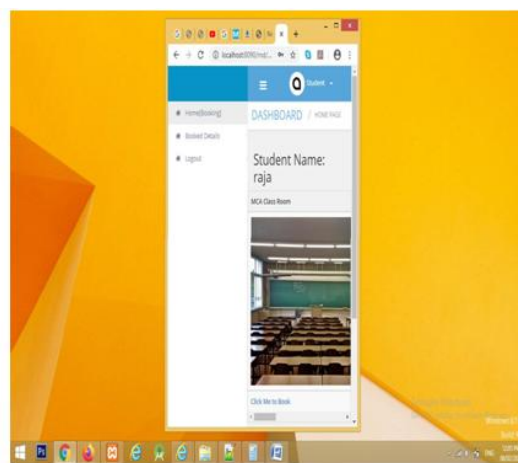


Figure 4: Class room booked details

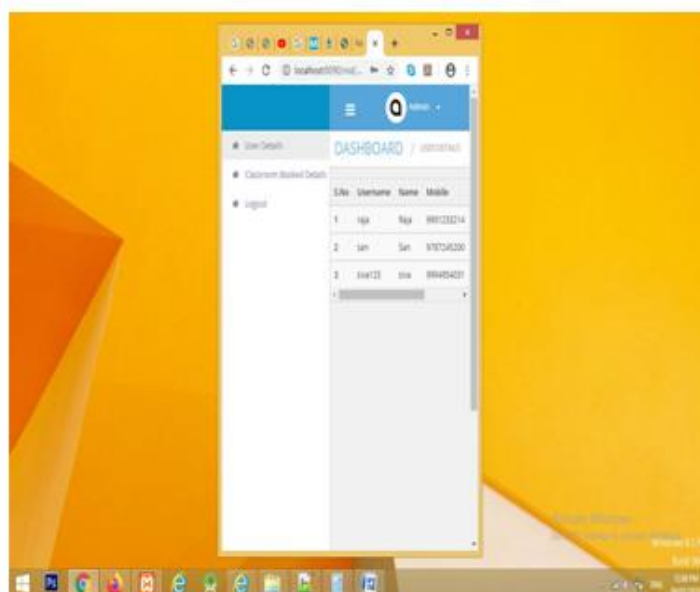


Figure 5: Attendance details

V. CONCLUSION

An Android and web based application offers reliability, time savings and easy control. It can be used as a base for creating and enhancing applications for viewing results, tracking attendance for colleges. Students and their parents will also view results, attendance and curriculum details using this application. Also students can view details, notifications anywhere and anytime. The application will greatly simplify and speed up the result preparation and management process. It provides high security and a system that reduces the work and resources required in traditional process. The proposed system provides the new way of computing and displaying an operation with responsive and attractive user-interface.

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