CollegeAutomationand Scheduling System Using Cloud

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Abstract— This paper is aimed at developing College Automation And Scheduling System which will manage the working of college management activityusing single platform.This system has easy interface. We have used bootstrap which increasestheresponsivenessofthesystem.Themainobjectiveofthissystemistoreducethepaperworkandmanualprocessing. Student can handle the system easily.
KEYWORDS: *COLLEGEAUTOMATION,SCHEDULING*

I. INTRODUCTION

The main objective of college Automation and Scheduling System is to automate all functionalities of a college. Using this system you can manage all information of all aspects of a college, its students, faculties, Departments, marks and other curricular activities. College management system provides the easiest way to manage all functionalities of a college. This system facilitates colleges to maintain the functionality related to college employees and their students. Here college faculties can upload videos or any teaching modules for students and students will easily learn everything. College management is becoming a very essential component in education in this modern day age. With the help of College Automation System we can gather all the useful information needed to the management in few clicks. College Automation System consists of different modules such as student, faculty, admin etc. Our main purpose is to create a software which will manage the working of these different modules. The interconnectivity among modules reduces the time to perform different operational task.We have used bootstrap which increases the responsiveness of the system. If in future we want to implement this system as the web based application or mobile application than because of bootstrap it will be easy and automatically screen will resolve according to that. The objective of our system is to reduce the paper work and to eliminate manual processes and to save significant staff time.

II.CONCEPT

College Automation And Scheduling System is the internet-based software which will help the students to view notices, view videos, view notes, view assignments, viewattendance and also faculty can upload digital notes, subject related videos, upload question bank, assignments etc. With the help of this system admin can easily maintain therecordsofmanystudentswithoutanypaperwork.

Admincanfindinformationaboutany student tasily. We havegiven person-based access to thesystem. Every student and facultyhaveusername asemailid andpasswordwithwhich he orshe canaccessthesystem.
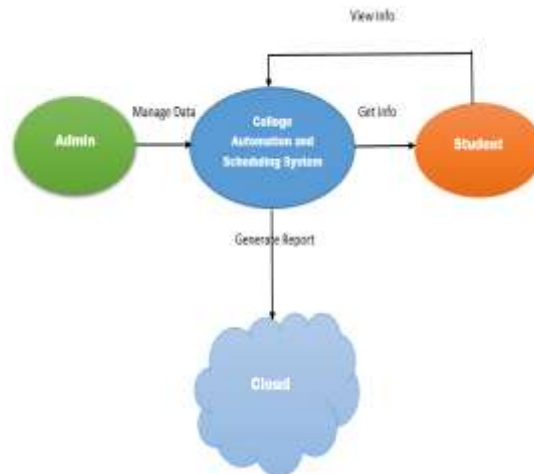
III.PROPOSED SYSTEM

In Our System we are providing role based accessed rights to different users, many logins are created for the user based on theiraccessrights.

By this proposed system all the Notices, Notes, Video, Class test marks, Attendance list etc. can be viewed fromsinglesystematanytime.Thusitwillreducethetimeandtheworkloadandeachstudentcanabletoseetheirreportbyjustloginprofile.

A.   **System Architecture –**
System Architecture is shown in Figure 1.
Our proposed system will function in following steps:

Admin:
• Admin will maintain the entire administration like Authorization, Authentication, permissions, history tracking, troubleshooting etc.
• Faculty can view syllabus, time table, schedules, student details etc.
 • They can view and add internal marks and attendance.
 • Can send e-mail notifications to students and parents.
 • Faculty will access all the four-year student information and go through his Time table as their daily activities as scheduled. • She/he can send or receive any kind of information by using Notification bar.
 • Teachers can also upload notes and question papers to the application branch wise & subject wise.

Students:
• The student will access all information (Subjects, Faculty, and Schedule) and maintain a good relation with faculty.
• He/she can receive any kind of information (Queries, Notice, Assignments, Videos, Notes, etc.) by using Notification bar.
 • Students can download the notes and question papers of all subjects of engineering branch wise.
B. Implementation of Secured Registration, Authentication and Authorization –
It contains registration, authentication and authorization process as talk over below:

1.   Registration
Users contains register themselves by providing individual information like name, department, prn-no, contact no,email id etc. Then it stores the sensitive individual information in cloud database.

2.   Authentication
This is used to store information for authentication purpose. If it found same credentials as present in database, then user will be treated as authenticated user.

3.   Authorization
It contains implement mechanism such that only owner of file will be able to update the contents of the file.
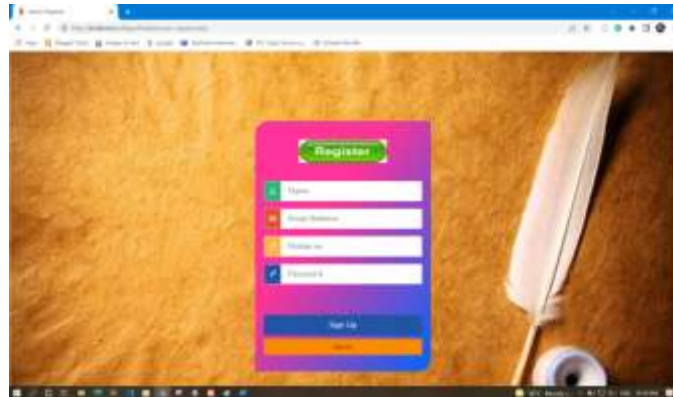
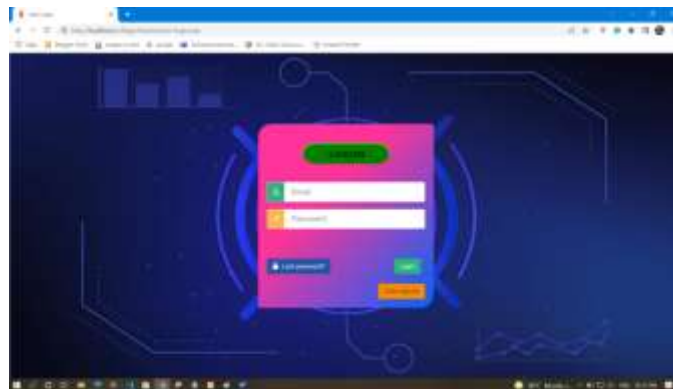Fig2.This is the registration page of student.
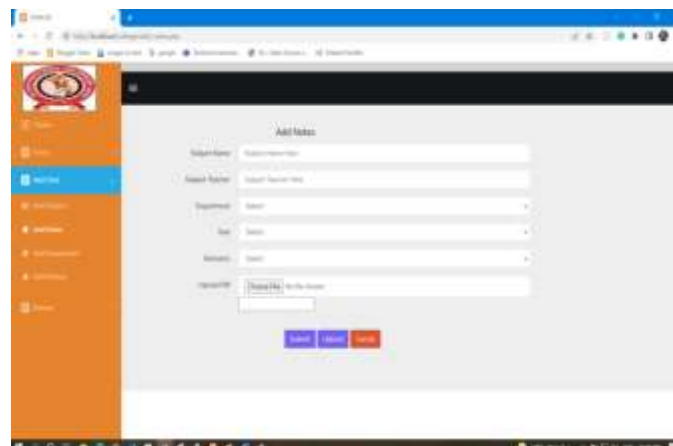

Fig3.This is the login page of student.

Fig4.Add notes page.
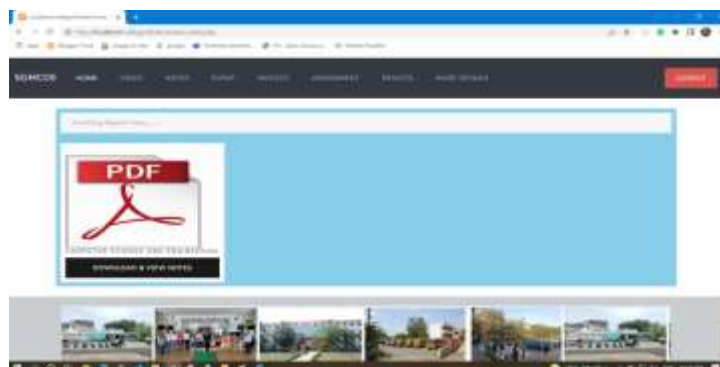

Fig5.View_Notes Page

IV.CONCLUSION

The aim of Our System is to save significant staff timeand to reduce the workload. This paper assists in Computerized the existing manual system.It provides exact information always. All years collected informationcan be saved and can be accessed at any time.This system facilitates colleges to maintain the functionality related to college employees and their students.The storage facility will help the job ofthe operator.

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