

TEACHER'S ASSISTANT

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ABSTRACT:- Teachers might have a hard time organizing their free and work time, especially if they have a lot of classes under their tutoring. The application provides an efficient platform for storing and managing data about educational activities, such as classes, timetables, assignment records, class test marks and any other documents. This interface is a convenient user-friendly platform for adding information to any related task, such as planning schedules, reminders, academics, notes, calendar of events, upcoming task, plans, timetabling or contacts database, then organize it and track your activities along with an advance feature of sending SMS on any important notice using the application itself. It provides a platform for interaction between teachers and students. To sum it up, The Teachers Assistant system is ideal for tutors or educational personnel who wish to record and organize all their activities and tasks. A user interface that could be used by teachers anywhere and anytime. By offering teachers a comprehensive database the application ensures them with both flexibility and security for their data. Teacher Assistant Systems are dedicated to both teachers and students. Their aim is to facilitate the whole teaching/learning process by helping the teacher as well as the student. There has been an increasing interest to integrate the teacher as an end-user. Teacher Assistant Systems are enabling large programs to transition. To ensure that Teacher Assistant Systems are able to support these types of learning environments, their perspectives of training, their abilities, and other work-related aspects must be understood.

Keywords: Teachers, Admin, Student, Management, Notes.

1. INTRODUCTION:

Along with the fast development of computer and network technologies, the computerization and networking of education systems are one of the most important characteristics of modern education. As a result, the requirement for resource sharing within or among campus and efficient communication anytime are becoming one of hot research point. Many researchers are looking for a low cost and commonly used resolution to integrate the dispersed resources of teachers, students, and laboratories, without making too much changing on these resources. In regard to the quality and reliability of content, the reputations of its source such as a respected institutional website or a widely used public collection have obvious credibility. Given the availability of such resources, the student need not be confined to the content and questions planned.

In today's world this type of application is very useful for teacher and student. Teacher easily can upload attendance, marks, timetable, assignments, etc. on this application and student can easily view all this data. So, a lot of manual work is reduced of teachers. Student can get all the data easily and on a single platform. Convenient for students as they don't require to view all the notice board of college for searching timetables, assignments, or notes.

The study sought to describe how teachers manage their personal information spaces and did so by means of the following objectives:

- 1) Observe and describe teachers' information contexts;
- 2) Identify important information objects in teachers' information spaces;
- 3) Examine and synthesize how documents are differentiated, classified, and used;
- 4) Identify themes among teachers' personal information management systems. Teaching is an information-rich profession with increasing demands.

Ideally, a well-managed personal information space provides teachers easy access to information when they need it, thus increasing teacher efficiency and conceivably improving the quality of teaching.

This project works as a client-server model where admin acts as a server and teachers acts as clients. This project contains three modules as the admin, teacher and student. Using this application, Admin are able to add teachers and can access teacher's data such as view student record, teacher timetable. Along with that admins can control their own data efficiently. Teacher can upload attendance, marks, timetable, assignments and student can view it easily. Also, teacher can add notes, reminder and student can view it, search it and can print it. Making the project more advance teachers can have their own calendar to view upcoming events and tasks

How is it different from the existing system?

- 1) **Focus** on teaching and less on time consuming administrative functions.
- 2) Improve the quality of **interaction** among students, teachers and parents.

- 3) An environmental-friendly, paper less surroundings.
- 4) A single platform for teachers to do all their work.

2. FEATURES

Admin:

- register/login
- view student record
- view teacher timetable.
- add teacher

Teacher:

- notes section (Select scan paper images, enter note name, convert image to note (pdf))
- upcoming task reminder
- Calendar
- Uploading notes and notes sharing option
- Assignment section (checkbox pages with students n subject names)
- Attendance date wise and Email will be sent if the student is absent.
- Timetable of teacher in static format.
- Marks of students
- calculation of marks
- Student teacher forum
- view student record

Student:

- view notes (Notes Wise)
- search notes (based on notes title)
- note printing (1 note at time)
- view record (class test record, attendance)

2. HARDWARE AND SOFTWARE REQUIREMENTS

Hardware requirements:

- 1) Windows 7 or latest version
- 2) 8 GB ram
- 3) Pentium 4 + Processor
- 4) 100 GB free Hard Disk

Software requirements:

- 1) Java JDK 10
- 2) Eclipse
- 3) Xampp server
- 4) Apache Tomcat
- 5) BACKEND:

- XAMPP SERVER
- MYSQL 5.6
- APACHE SERVER(COMPILIER)
- JAVA JDK 10

6) FRONTEND:

- ECLIPSE

Java script is used for web development of the software and bootstrap is used for web designing. XAMPP SERVER is developed to make available highly professional and easily installable packages of Apache, MySQL and PhpMyAdmin for Windows platform. Apache server acts as a compiler. It converts the human understandable code into machine understandable code.

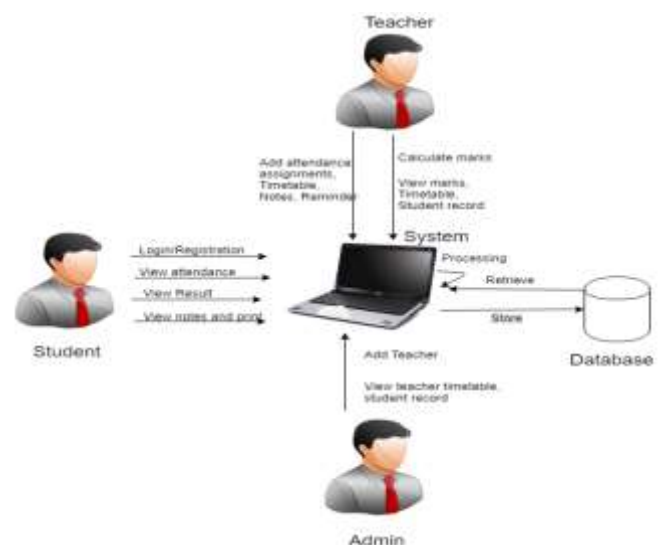


Fig -1: System Architecture

4. ADVANTAGES

- 1) The system has several advantages to teachers compare to manual system.
- 2) System can generate question randomly.
- 3) Save time in collecting Notes

5. CONCLUSION

This project proposed a system to update timetable, notes, attendance and assignments in the colleges. The updated information is useful for the students and they

can find is easily. The evaluating process has been tested by using actual data. The system is able to dramatically save both time and cost when compared with the manual approach.

6. REFERENCES

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