

ALPHA LEARN

The Alpha learn is will use as a platform for interaction between University, College, teachers, parents and students. While the main objective of this project is to computerize the paperwork in the system and automate the work. The computerization is done so that the storage of all the details regarding exams, college and teachers will be stored in the system which makes system centralized and the chance of duplication of any data is minimized. And it also share the information and notifications to these modules. And it will also filter the notifications for student and parent module according to their semester or year.

EXISTING SYSTEM

Existing System is handled manually. Manual system involves paper work in the form of transactions for the different users. Maintaining critical information in the files and manuals is full of risk and a tedious process. Time loss and high maintenance cost are other disadvantages.

Existing system drawbacks :

- **Manual check** : Tracking manually very tough.
- **Redundancy** : Manual records tend to contain data which are redundant.
- **Inconsistency**: Because of redundant data, there is no consistency in the data.

- **Time Consuming:** Maintaining each details process and takes more time to retrieve back.
- **Tedious:** An organization data base goes through many numbers of updates each day which is hard to maintain in registers.

PROPOSED SYSTEM

This System overcomes constraints from the existing system. All the users and tracking of details are maintained in normalized database instead of manual records. This feature helps in maintaining database which is consistent, not redundant and easily maintainable. Android app in mobile very easy to handle and it will be very compact to use.

ADVANTAGES :

- A lot of manual work which is time consuming and tedious can be reduced.
- Eliminates wrong entries and hence give accurate report.
- Reduce paper work and extra cost.
- Data redundancy can be avoided.
- Data security.
- Information retrieval is faster.
- User friendliness.
- Flexibility

MODULES

- University module
- College module
- Teacher module
- Student module
- Parent module

1. UNIVERSITY MODULE

University module deals with the overall activities in the university managerial area, while the university module is registering each district head contact details and colleges. Its function includes the activities of exam controller, like generate timetable, add exam notification, add result and view the exam report.

- college registration
- register district head details
- generate syllabus
- exam controller
 - generate timetable
 - add exam notification
 - add result
 - view exam report

2. COLLEGE MODULE

College module should also formulate reasonable objectives and provide students with a proper learning environment. It includes the following functions:

- Register teachers
- Register student
- View exam notification
- Assign teacher for exam
- View timetable details
- Download exam questions
- Send exam report
- View feedback by students

3. TEACHER MODULE

Teacher module build warm environment, prepare notes based on syllabus for teaching students, check exam notifications and so many functions. The most important functions are:

- View exam oriented syllabus
- View exam notification
- View time table
- Upload student attendance and internal marks
- View feedback by students
- Approve leave for student

4. STUDENT MODULE

The functions of the student module include:

- Student login
- View result of student
- View notification, timetable, syllabus etc.

- View internal marks and attendance
- Upload feedback about teacher
- Apply for leave

5. PARENT MODULE

The functions of parent module include:

- Parents registration and login
- View result of the student
- View notification
- View feedback

HARDWARE AND SOFTWARE SPECIFICATIONS

❖ Software Requirements:

- Operating system : Windows 7 or above, Android
- Technology Used : Python
- IDE : PyCharm , Eclipse/Android Studio
- Framework : Flask
- Database : MySQL

❖ Hardware Requirements :

- Processor : 64 bit
- RAM : Min 3 GB
- Hard Disk : 10 GB

DATA FLOW DIAGRAM

LEVEL 0



