Review Paper on – ERP System for Departmental Activity Management

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Abstract - *Department ERP system provides a simple interface for maintenance of different information like student, faculties, notice board. Managing all these departments' activities and other modules manually is a very difficult and hard, ineffective and expensive task. Also we required lots of documentation so here we propose an ERP system for departmental activity management. Our departmental ERP system has all the information about the students, teachers, events and other respected information. The overall system handled by admin. After the approval of admin users can enter into the system. Our system allows a faculty to enter or input student's attendance into the database which can later be viewed by students, faculties and also parents. In this ERP system can uses the Easy access to find out the details or it has Safe and secure of data, information and files. It improves the better student and department relation. The students can view his/her attendance through a separate he /she student login. And parents also got information about our ward daily present or attend each and every lecture, practical's and any other activities in department or not through sms. The admin can upload the timetables for exam preparation. These systems have easy user interface and through this system we have manage overall activities of department system which makes this system is very useful. It has providing a Real time reports.*

*Key Words***:** *Admin, Department, Database, Faculty, System, Students.*

1. INTRODUCTION

Enterprise Resource Planning (ERP) Department ERP system desktop application is the one kind of desktop application which integrates all the modules and functionalities of department system on a single system that can be handled by the administrative head and access by the students and faculties with valid user id and password. The main goal of the entire system is to provide a user friendly interface and powerful data system which make this system more useful [1]. The Department ERP system computerizes all the details of the department system which are updated by admin only can access by the students and faculties. ERP on department management system reduces the most of the human work that are done earlier to managing the department system. Only a person that is having an administrative authorization is enough to maintain all the reports and records of the system and also to make changes in the system. The security can also be provided as per the requirements because only these system handled by authorized person which is approved by admin. The main

thing is that our system reduces the human works at a great effort.

It can be helpful such that

- Records are always updated.

- Manpower is decreased or reduced.

- Large amount of data regarding department and their modules can be stored.

- Accurate and perfect calculations are made.

- Maintenance of file is efficient and flexible.

1.1 PURPOSE

The purpose is to design software for department database which contains up to date or accurate information of the department [1]. That should improve efficiency and flexibility of department record management and to provide a common and or simple platform for everyone to access the student's information.

2. EXISTING SYSTEM

The methods which we are using now a day have some drawbacks which should be enhanced for better enactment. The visions of each and every student are not conveyed through these methods. As the technology is developing day by day we need to keep ourselves up to date so that we can get an efficient result in ample time[2].For example attendance management and day-to-day activities schedule of department in the existing system is done on paper. The whole session that is each and every lecture and practical attendance is stored in either register or record books and at the term end reports are generated and it will be display on notice board so lots of paperwork. We are not able to spawn report in the middle of the session or as per the requirement because it takes more time in scheming [2]. It is a very time intense process. In the present system the results are viewed on the notice board in the form of paper sheets which requires lot of paperwork and is time consuming. Moreover, there is no system still existing through which students can take a look at their own progress and analyze themselves. Even department cannot provide vital notifications to students in case of emergency [2].

3. DRAWBACKS OF EXISTING SYSTEM

- **Less User Friendly:** The existing system is not user friendly because the retrieval of day-to-day activities data/records is very slow and records are not maintained efficiently and effectively.

- **Complex for generating the report:** We require more calculations and efforts to generate the report so it is generated at the end of the session. And the student does not get a chance to improve their attendance.

- **System Controlling Manually:** All calculations to generate report is done manually so there is greater chance of errors.

- **Lots of paperwork:** Existing system requires lot of paper work. Lost of even a single paper/register led to complicated situation because all the papers are needed to generate the reports.

- **Lengthy time:** Every work is done manually so we cannot generate report in the middle of the session or as per the requirement because it is very time consuming.

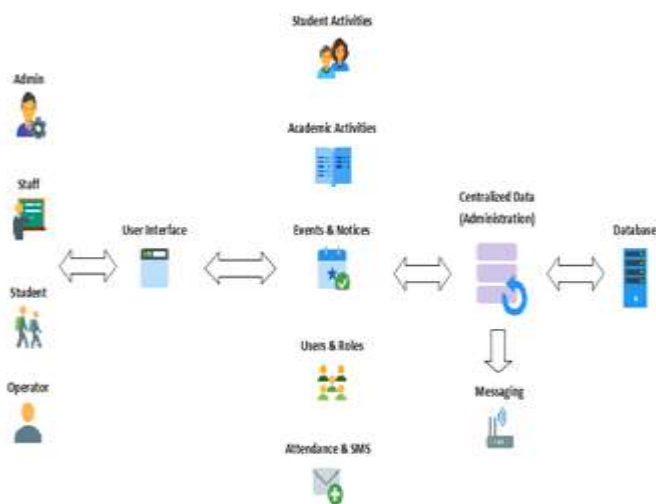## 4. PROPOSED SYSTEM

SYSTEM ARCHITECTURE
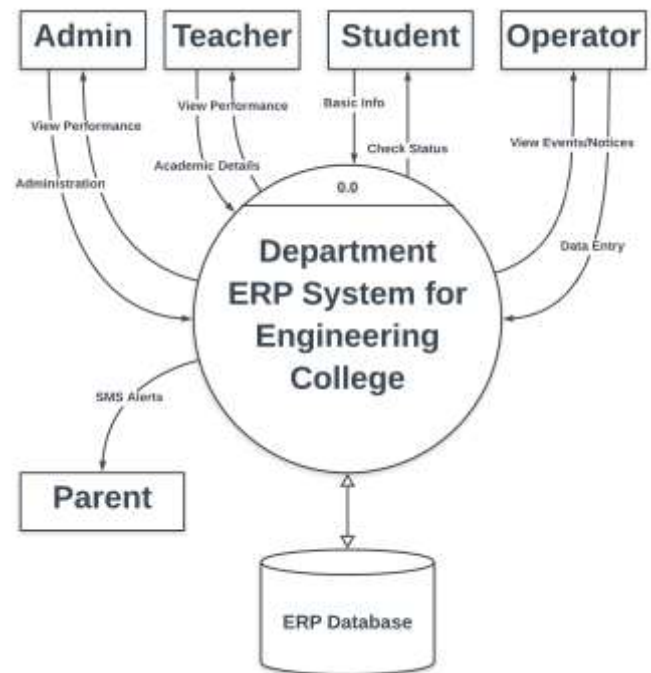

Fig -1: System Architecture Diagram

Different module of ERP on department management system

1. Student Activities
2. Academics Activities
3. Events and Notices
4. Users and Roles
5. Attendance and SMS

Users of the system:

1. Admin
2. Staff
3. Student
4. Operator

DATA FLOW DIAGRAM

Highlight of some main modules of the system:

Admin:

Administrator can handle overall system and also administrator can approved by staff and student to enter/login in the system .Admin can also assign work to the staff. Also notices are handled.

Staff:

Staff can handle overall performance of the student and keep all academic records of the student. Also with respect to their subject he / she provide notes and give some assignments and view notices which is sent by Admin.

Student:

Student can view our personal records, daily attendance, and also view notes and assignments.

5. CONCLUSION

The fundamental problem in maintaining and managing the work by the administrator is hence overcome. Prior to this it was a bit cumbersome for maintaining the time table and also keeping track of the daily schedule. But by developing

this Network-based application the administrator can enjoy the task, doing it ease and also by saving the valuable time.

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