ERP SYETEM SOFTWARE FOR HIGHER EDUCATION

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Abstract - *ERP system provides an easy interface for maintenance of various student, department, faculties, library et al. data. All the universities typically have variety of departments and academic modules like courses, seminar hall, etc. Managing of these departments and different modules manually could be a terribly troublesome and arduous, ineffective and expensive task. Thus here we have a tendency to propose AN ERP system for faculty. Our school ERP system has all the information regarding the scholars, teachers, events, library, departments and different revered information. The system permits the admin to feature students, schools and the other events. Our system permits a college to enter or input student's attending into the info which may later be viewed by students and schools. The scholars will read his/her attending through a separate student login. The admin will transfer the timetables for varied departments for test preparation. The plan is then offered to be viewed by schools and students on the online portal. These systems have straightforward computer program and have powerful knowledge management system which makes this method is incredibly helpful the scholars will inspect all the videos and pictures, The Admin will transfer the photographs of Timetable, school events, programme etc. The admin will upload lectures video that helps students, or admin will transfer that video likewise. What happen once there's a vacation that isn't outline in timetable and a man UN agency travel eighty metric linear unit came in school simply to attend a programming category then what's going to happen he could pissed off, he could lost his state of mind and there square measure legion prospects that the guy could lost interest to attend that category once more, this notification feature will facilitate these form of students.*

*Key Words***:** ERP, Faculty, students, Admin, colleges, management, system.

1. INTRODUCTION

Enterprise Resource designing school software system that integrate all modules and functionalities of school system on one system that may be handled by the executive head and access by the scholars and colleges with valid user id and word. In this they include your courses, timetable, syllabus, result and notices [1]. Conjointly in here you'll find changes outing in respect along with your feedback and our constant care to not cause you to lose out on something necessary. At the instant we have a tendency to serve the scholars of school of Engineering and Technology. This method is nothing however the bridge between school and students serving to them realize some nice stuff [2]. The feature like Admin Login and Student Login build this method reliable and right now there's authentication for students, for school kids, for college students. This method is updated terribly before long with scores of new feature. With this method, you'll be able to look at field News and therefore the Events calendar to seek out what's happening in school. In gallery choice the scholar will read and transfer all the images that are uploaded by Admin. The student will look at all the notifications, Timetable, school events, syllabus etc [3].

The admin will transfer lectures video that helps students, admin will share the link of any psychological feature video, technical school videos or admin will transfer that video also. Admin will send the image of timetable however we have a tendency to the developers conjointly provide the feature timetable wherever users see the different-different choices for distinguish colleges [4]. Those who are belonging to laptop Department they'll check the timetable of Computer Department Receive Message directly through this method with school and university admissions. Solely someone that having associate body authorization is enough to maintain all the reports and records of the system. The protection may provide as per the requirement. School ERP system that implements associate user friendly and enticing interface for college. The main goal of the whole system is to supply a user-friendly interface and powerful data system that build this method additional helpful [5]. The faculty ERP system computerizes all the details of the faculty system that are updated by admin solely will access by the scholars and colleges [6].

1.2 Problem Definition:

In Existing System for overseeing different modules, for example, Student module, Authoritative module and Exam cell and so on accepts part of administrative work just as time. In Student module at present there are different things which incorporates paper work, for example, confirmation structure, Notice Board, Revaluation structure, Exam time table, Feedback and so forth [7]. In Administrative module Exam Form, Concession Form, Accounts and updation subtleties, Profile sees, Fees subtleties, ID card age all are exceptionally hard to oversee utilizing manual procedures and it requires part of investment and desk work. School ERP framework is an online electronic framework which

executes an easy to use also, alluring interface for school [8]. The go for arrangement and execution of this framework is to supplant manual arrangement of schools with a robotized electronic framework this information is keep up through register or record framework in the school.

The ERP framework influences associations. It ought to improve activities effectiveness, streamline business forms, furthermore, make life simpler for representatives. As referenced beforehand, there are a few factors that spur associations to pick an ERP item. In any case, there are considerably more factors that lead associations to not think about running with an ERP item [9]. Besides, when executed, it could significantly influence associations adversely and move associations in reverse. The reason for this venture is to address these issues facing associations, investigate how to manage them, and propose a plan to defeat these issues [10].

2. RELATED WORK

In literature, system study of such system shows that everyone the booking was done manually on registers, which was terribly difficult job. Report generation of all records was conjointly out of the question within the existing system. Conjointly the work of school was manually maintained and keeps all this knowledge is maintain through register or filing system within the faculty. With that college will act with their student. All manual operating are going to be removing through this technique and conjointly the clerical mistakes are decreasing. All student records area unit read by Admin, HOD, management and staff. Students can get to receive the helpful course material. It eliminates the utilization of workers for notify students for numerous activities manually. Students will transfer papers and curriculum of their current semester. Malposition of collected knowledge and knowledge redundancy within the kind of paper records so as to beat these drawbacks there's a desire to style and implement College ERP system wherever a university workers will track a student profile all told aspects of education course.

Concept of Existing ERP System in which a learning commitment model to a learning the board framework. In this examination paper creator has inferred persuasive powers from two sources. Sharing information requires significant investment and endeavors and doing as such at work outcomes in the open great situation other will approach the collected learning of the association whether or they were not added to this information [1].

3. PROPOSE SYSTEM

A System style (SD) in software package engineering and systems engineering could be a diagram that represents the actors outside a system that would move thereupon system. This diagram is the high level read of a system. SDs shows a system, usually software-based, as a full and its inputs and outputs from/to external factors. System Diagrams are diagrams utilized in systems design to represent the additional necessary external factors that move with the system at hand. This type of diagram in step with typically "pictures the system at the middle, with no details of its internal detail structure, encircled by all different interacting systems, environment and activities. The target of a System Diagram is to focus attention on external factors and events that ought to be thought-about in developing an entire set of system requirements and constraints".
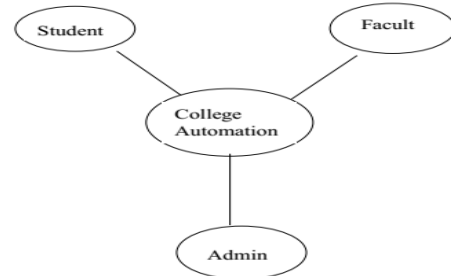

Fig. DFD of college ERP software

The proposed system provides an easy way to users in managing feedback and Records are always updated. Users can view their profile details and can view all the details of the students and faculty. System provides print option for viewing the detail about the record of students. Using this staff and management section should easily find students details. This system is a paperless system by which workload is reduced.
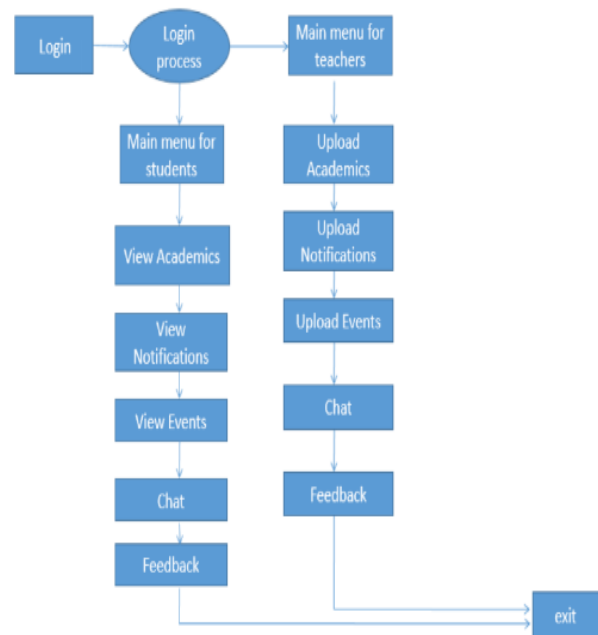

Fig.1 Block diagram of ERP System

Figure shows the block diagram of the proposed system. Organization can use to collect, store, manage and interpret data from many modules activities. It is always better to implement

ERP system than to lose on prospects. ERP software helps minimize expenses and maximize profits.

4. SYSTEM DEVELOPMENT

This system consists of ten modules described as follows:
1. Registration and Login
2. User Module
3. Staff Module
4. Notification Module
5. News and Event Service
6. Timetable Module
7. Attendance Module
8. Syllabus and paper module
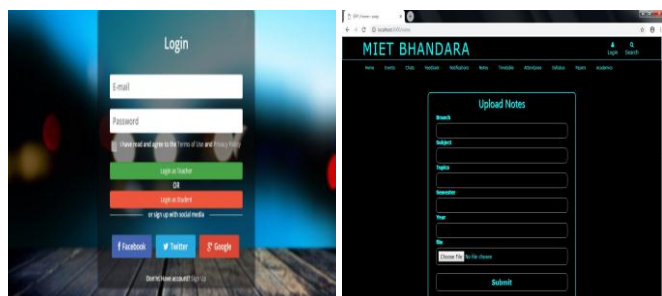9. Notes and marks Module
10. Chat Module

Fig. 2: Login and notes module

The user should be able to register through the system by maintain the details required for registration. After registration the user can login into the system by providing the user id and password. This service is for both the staff and students; however both have different usage of the feature. Students - will be able to view the following information which is critical about the Assignment and Notes; the number of assignments given, Upon the analysis using this data, the system will inform the students if they have got the new assignments and notes uploaded by the faculties. Staff - will be able to upload the notes helpful for students and the new assignments using the mobile device.
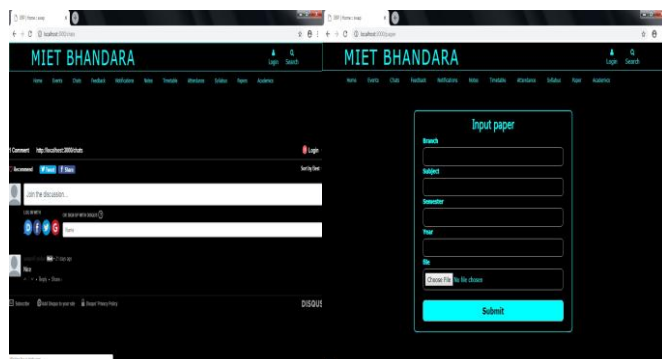

Fig. 3: Chat and paper upload module

This module contains syllabus and papers. The teachers can upload /update syllabus and papers to their respective semesters and students can view their syllabus and paper as

per their respective semesters. And chat module is a feature where students and teachers can discuss the queries from the students.
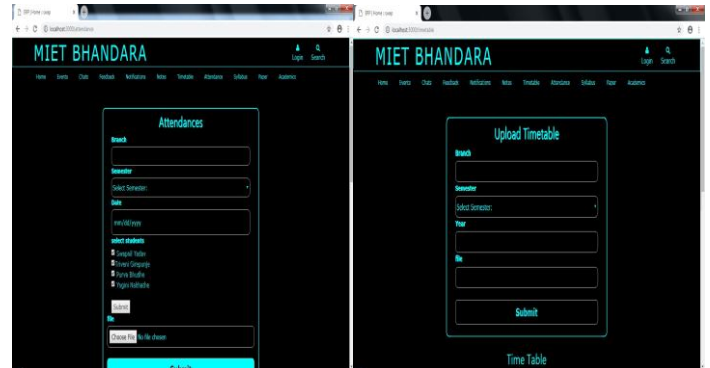

Fig. 4: Attendance and time table module

This module helps to keep the track on student's punctuality and regularity and time table module allows the students to view timetables and the faculty to upload the respective timetables as per their respective semesters.

Notification Module allows the department HOD to update students about any college related information through notifications. The students can view notifications provided by the interface provided by application. HOD can send message to only available options like all student, all faculty, specific faculty and to all. News and Event Service: The news service is for all students and staff. As soon as news about the university/college is released on the university/college website, a notification is sent to all the students and staff

5. CONCLUSION AND FUTURE SCOPE

By utilizing Existing System getting to data from records is a troublesome errand and there is no fast and simple approach to keep the records of understudies and staff. Absence of mechanization is additionally there in the Existing System. The point of Our System is to diminish the outstanding burden and to spare critical staff time. This System give the mechanize affirmations no manual preparing is required. This paper helps with mechanizing the current manual framework. This is a paperless work. It very well may be checked and controlled remotely. It diminishes the labor required. It gives exact data dependably. All years together accumulated data can be spared what's more, can be gotten to whenever. The storeroom will facilitate the activity of the administrator. In this way the framework created will be useful to the executive by facilitating his/her undertaking giving the exact outcomes. The storeroom will facilitate the activity of the administrator.

It is a lot of economical and convenient for the universities. It reduces the person power required to perform different tasks by reducing the paper works desires. If the entire works area unit done by laptop there will be no

probability of errors. Furthermore storing and retrieving of the knowledge is simple, so work can be done rapidly and in time. Therefore the systems developed are going to be useful to the administrator by easing his/her task. And this internet based mostly system for Enterprise Resource Planning code for school we have a tendency to could additional reborn into the appliance additionally.

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