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ERP for College Activity Management with QR Code System

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ABSTRACT: In this project our main motto is to create the students ERP(Enterprise resource planning) system. Now a days it's very difficult to manage all the record and also difficult to analyze all the record in any department .A manual work is very lengthy and time consuming for entire departments. So for that needs of central system is arising which gives the effective and efficient result within a few time. All departments can access the data with the system and also they can perform a desire task. With that all the data can easily manipulate and get easily whenever anybody wants. The objective of this paper was to propose a design of ERP for college management system which provides a simple interface for maintenance of different student, department, faculties, library and other information. It can manage daily activities of college which include the management of Employees, Students, Books and Library Records, Parents details, Assignments, Admission Process, Results and Reports, Exams, Events, Attendance, Timetable, Fees and Other Report. It uses algorithm to analyze student based on their performance and placement prediction of student.

I. INTRODUCTION

In order to overcome this problem a smart phone based application using Android can be used to make this process easier, secure and less error prone. More efficient information's will be achieved through this system. The College activity management system is used to maintain college activities like fest, farewell and annual day celebrations, workshops etc. it provides information on placements, maintains student attendance, provides information on faculty, it also provides college information, and it maintains, branch details, sports details, also provides college achievements. Notification on exams and results, and it takes complaints and some other college activities. The core idea of this project is to implement android based Mobile Campus application for advancement of institution and educational system.

The application will be used by students, teachers and parents. In the previous system, all the information has to view in a hard file, or in website. At the same time while searching any information it is too difficult to access and takes a lot of time to search the particular website.

II. LITERATURE REVIEW

Half of the educational institutions in developing countries following the traditional method of managing information system with standalone computer machines and store data in different departmental system due to lack of infrastructure. On these systems, the software implemented do not integrate processes and cannot interact to each other .In these kinds of system implementation no concept of service architecture being used.

This system is aimed at developing an Online Intranet College Management System (CMS) that is of importance to either an educational institution or a college. ERP application will integrate all the business functions like Recording attendance, Student information etc in a single system and database. ERP promising the possibility of convenient, easy and safe way to handle business functions of college.

III. PROBLEM STATEMENT

In Existing System for managing various modules such as Student module, Administrative module and Exam cell etc. takes lot of paper work as well as time.

In Student module at present there are various things which includes paper work such as admission form, Notice Board, Revaluation form, Exam time table, Feedback etc. In Administrative module Exam Form, Concession Form, Accounts and updation details, Profile views, Fees details, ID card generation all are very difficult to manage using manual processes and it takes lot of time and paper work.

IV. PROPOSED SYSTEM

The block diagram for the proposed system of ERP for college management is show below:

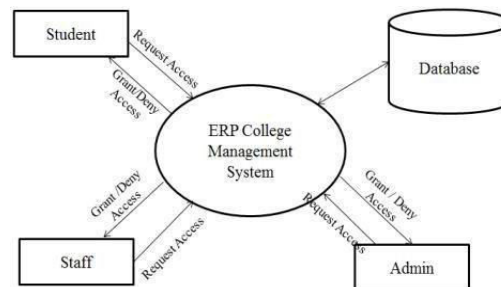


Figure 4a: ERP System for College Management

The proposed system reduces paper work, manual work. It also helps in maintenance of data and records made easy. It helps in the analysis of placement of a student; it can also access the result database of the university for complete comparative result analysis. Uploading academic project reports for references to student. Student performance analysis for placement prediction. Thus it will reduce the time and preserves the workload and each student can able to see their report by just login profile.

As this uses database it can store large number of data. Maintaining of data in database is easy and retrieving it also is very easy. Data can also be updated like addition of fields or deletion of field etc. reports of required format can be generated. All these reduce manual work and errors.

In this each student's results can be accessed from university result database. From this student performance can be analyzed. The probability of student getting placed in a company can also be predicted.

V. SYSTEM DESIGN

The objective of the system design is to deliver the requirements as specified in the feasibility report. System design involves first logical design (logical design) and then physical construction (detailed design) of the system. The logical design describes the structure and characteristics of features, such as the outputs, inputs, files, databases, and procedures. The physical construction produces actual program software, files, and a working system.

The project has been split up into the following modules for easy and effective implementation.

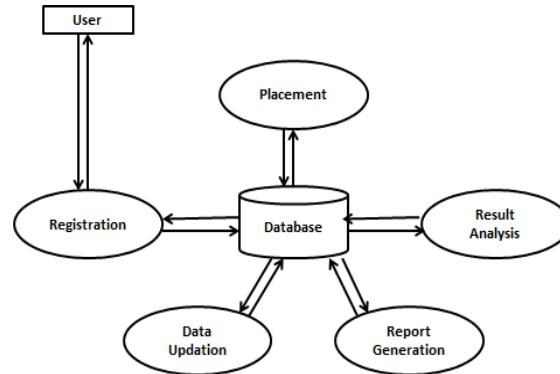


Figure 5a: ERP System Overview

Registration Module

Registration happens when a candidate first uses the system. Registration means the system will take the details of the candidate as required by the application. The obtained details are then stored in the database. The registration is for the students and faculties. The students will register by providing the information such as Name, Parents' name with occupation, address, academic details (10th, PUC), CET ranking, admission quota etc. Faculties will register by providing information such as Name, Address, Email, Contact number, Educational qualification, past work experience etc.

Data update

This is to allow the department to update student records (updating IA marks, attendance, student information-address, contact number, email ID, university results, skill test marks, achievements, & to update faculty information.

Report Generation

This is to generate reports (in Word/PDF/Excel) format – IA reports, Attendance report, Student BIODATA, Department performance reports etc.)

QR Code

This is to verify the students details by scanning from id cards student will be verified by their details available in QR.

Homework Section

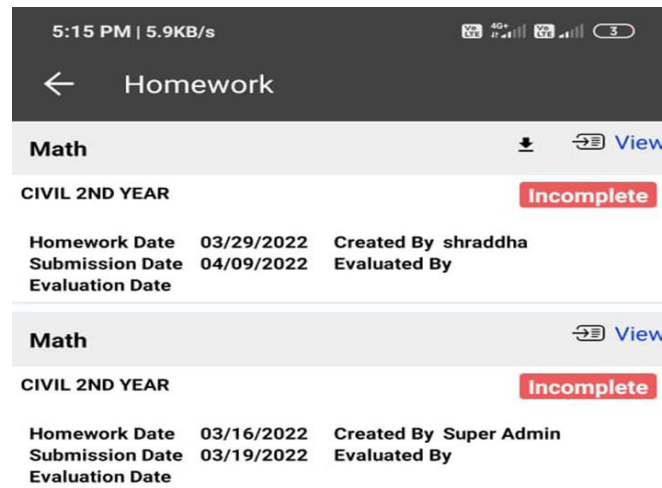
This is to assign homework to students by teachers. All the task updated by students will be tracked by teacher.

Attendance Management

This is to mark the attendance of students in easier ways, like marking only absent student number will mark remaining as present as well late members will be noted all the notifications will be updated to paers as well as admin on daily basis.



V. RESULTS

In this project application will greatly simplify and speed up the Result preparation and management process. It overcomes the limitations of the web based system as our proposed system is developed on Android OS. . As the current system is manual it does not require any Sophisticated training for the User of the system. This project will cater facilities to all the existing versions of android devices. Students do not have to visit the college notice board everyday.




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← Homework

Math   View

CIVIL 2ND YEAR **Incomplete**

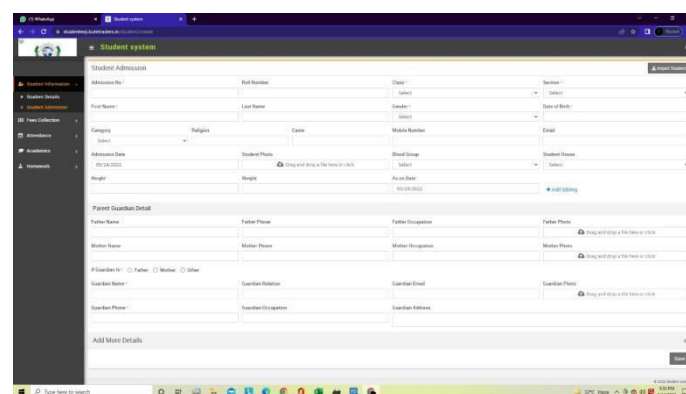
Homework Date 03/29/2022 Created By shraddha
Submission Date 04/09/2022 Evaluated By
Evaluation Date

Math  View

CIVIL 2ND YEAR **Incomplete**

Homework Date 03/16/2022 Created By Super Admin
Submission Date 03/19/2022 Evaluated By
Evaluation Date

Fig 1: Homework Evaluation



Student system

Student Admission

Admission No. Roll Number Class Section

First Name Last Name Gender Date of Birth

Category Religion Caste Middle Name Email

Admission Date Student Photo Blood Group Student Phone

Height Weight Age Sex Add More Details

Parent/Guardian Detail

Father Name Father Phone Father Occupation Father Photo

Mother Name Mother Phone Mother Occupation Mother Photo

If Guardian No. ☐ Father ☐ Mother ☐ Other

Guardian Name Guardian Position Guardian Email Guardian Photo

Guardian Phone Guardian Occupation Guardian Address


Add More Details

Fig 2: Admin Dashboard



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← Profile

 **madhukar**
CIVIL - 2ND YEAR
Adm. No. 1
Roll Number 12
[VIEW QR CODE](#)

PERSONAL	PARENTS	OTHER
Admission Date	03/16/2022	
Date Of Birth	03/16/2022	
Category		
Mobile Number	123546789	
Caste	obc	
Religion	hindu	
Email	ankitapawar123@gmail.com	
Current Address	nashik	
Permanent Address	nashik	
Blood Group	B+	
Height	152	
Weight	47	
As On Date	03/16/2022	

Fig 3: Student Profile



VI. CONCLUSION

This project is successfully implemented with all the features mentioned in system requirements specification.

An Android based versatile application for School Administration Framework is exhibited. The application offers unwavering quality, time funds and simple control. It can be utilized as a base for making and upgrading applications for survey comes about, following participation for universities or any working environment. Understudies can see results, participation and educational modules subtle elements utilizing this application. The application will incredibly disentangle and accelerate the outcome readiness and administration process. It give high security and a framework that decreases the work and assets required in customary process. The proposed framework gives the better approach for registering and showing a tasks with responsive and alluring UI.

REFERENCES

1. K. V. Thangam, T. S. Kumar, V. Yogesh, and S. Prabhu, "Android Application for College Management System (M-Insproplus)," *Int. J. Mod. Trends Eng. Res.*, vol. 4, no. 2, pp. 41–44, 2017.
2. M. N. Dedhia and D. V. C. Kotak, "ANDROID BASED CAMPUS SOLUTION FOR COLLEGE," *Int. J. Comput. Sci. Mob. Comput.*, vol. 6, no. 11, pp. 12–17, 2017.
3. C. Science, C. Science, C. Science, and C. Science, "ANDROID APPLICATION ON COLLEGE," *Int. J. Emerg. Technol. Comput. Sci. Electron.*, vol. 14, no. 2, pp. 811–812, 2015.
4. K. Datarkar, N. Hajare, N. Fulzele, S. Kawle, V. Suryavanshi, and D. Radke, "Online College Management System," *Int. J. Comput. Sci. Mob. Comput.*, vol. 5, no. 4, pp. 118–122, 2016.
5. P. G. Scholar and E. Engineering, "DEVELOPING AN ANDROID APPLICATION FOR COLLEGE MANAGEMENT SYSTEM," *Int. J. Futur. Innov. Sci. Eng. Res.*, vol. 2, no. 2, pp. 75–80, 2016.
6. G. R. Dhanaji, S. A. Ssambhaji, L. A. Sunil, K. A. Giridhari, and P. R. M. R, "Faculty Management System," *Int. J. Adv. Res. Innov. Ideas Educ.*, vol. 2, no. 2, pp. 225–229, 2016.
7. Proceedings of the Second International Conference on Intelligent Computing and Control Systems (ICICCS 2018) IEEE Xplore Compliant Part Number: CFP18K74-ART; ISBN:978-1-5386-2842-3, "COLLEGE ACTIVITY MANAGEMENT SYSTEM".



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