

Engineering Analysis and Design- One Page Write-up

Eakadmik 2 - College Management System

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PROBLEM ANALYSIS:

In this world of modernisation and digitalisation, we have to find better methods to collect and organize data for a technical college. In this project we aim to provide and achieve the solution to this problem and improve data collection and management in PEC.

We aim to create a solution with features such as scalability on smaller devices, easier access to the database and correct responses while accessing it. A detailed explanation would be as following:

PROPOSED SOLUTION:

Eakadamik 2 is a College Management System inspired by the existing Eakadmik domain used by PU and Punjab Engineering College, Chandigarh. It tracks all the details of a student from the day one to the end of his course which can be used for all reporting purpose, tracking of attendance, progress in the course, completed semesters years, coming semester year curriculum details, exam details, project or any other assignment details, final exam result; and all these will be available for future references too. Our program will have the databases of Courses offered by the college under all levels of graduation, teacher or faculties' details, students' details in every aspect.

The College management system is an automated version of the manual Student Management System. It can handle all details about a student. The details include college details, subject details, student personnel details, academic details, exam details etc... In the case of manual systems they need a lot of time, manpower etc. Here almost all work is computerized. So the accuracy is maintained. Maintaining backup is very easy. Our system will have multiple types of accessing modes, student, teacher, admin, finance etc. Student management system is managed by an administrator. It is the job of the administrator to INSERT, UPDATE and MONITOR the whole process. When a user logs in to the system. He would only view details of the student. He can't perform any changes

It would be an integrated web application that handles various academic and non academic activities of a College/Academic Institute. The system can be accessed by every student/faculty/employees of the institution through internet connected computers or internet enabled mobile devices with the aid of his username and password. Every user will have a customized home page with his/her profile management facilities. Through links that display in the home page the user can access different options of the website assigned to him.

Faculty/Admins can easily retrieve all information related to students and employees. Admin has all the Collective records of students of all the branches. Admin can check all the records of employees of all departments anytime. Using this college management system it is very easy to handle all functionality of college. Also it can help to maintain the fees and accounting reports of college in a proper way.