Web Application On Coaching Class Management System For Siddhant Education Services.

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Abstract: - Education In today’s world, administration & management of organizations, particularly educational institutions, has become a tedious and complex task. It requires careful planning, systematic approach and accurate control of administrative processes to attract the best students, produce best results and project the best image. Coaching class Management System is developed after collecting requirements from several institutes in different fields. The application is very easy to use and considers that most operators are not technology savvy people or typical geeks. The software guarantees saving of money and time for owners apart from organizing the institute information. In the existing system we can store all the records manually that required large man power and place to store the records. Due to manual maintains lots of faults are occurred so needed to replace existing system by this web application.

IndexTerms - Administration, Online access, Full Control, Automated System.

I. INTRODUCTION

Coaching Class Management System is a web based application software. It consists of all the data management and storage facilities that are required for effectively managing a class, teaching multiple courses and subjects. This software helps manage Student, Teacher, Courses, Batches, Fees, Attendance related data. The class management system allows the administrator to view and edit data as required. Administrators are provided with a full control over this software. Administration can send announcements of the events to all users in the institute. Students are provided with user ids and password. The paper focuses on presenting information in an easy and intelligible manner which provides facilities like online registration and profile creation of student’s thus reducing paper work and automating the record generation process in an educational institution.

II. EXISTING SYSTEM

In Existing System, first all information used to be inquired from the applicant and then were filled out in Registers. The payment methods were also very time consuming and inconvenient, it was difficult to manage the payment process as the entire payment was carried through cash. Not only the registry but the entire system such as student’s Exams, Attendance Record or any other events related to coaching management was carried out on Paper itself. Due to this there were more chances for the loss of Data.

The coaching institute has computers, But they are used just for paper works and for simple jobs as creating applications, typing the notices, creating attendance sheets\textsuperscript{[1]}.

III. PROPOSED SYSTEM

A. In this paper, we are introducing the system which will contain the following modules:

I. Inquiry Form:
This form is for students/parents to submit inquiries regarding coaching classes. Once the form is submitted it should be sent to the specified email address. Once the inquiry is received, someone from Coaching class will contact the person who has submitted the inquiry.

II. Admission Module:

I. Online Form:
In the admission module the students/parents should be able to complete the admission form which will start with selecting the class that they are interested in. Each class will have a certain number of seats, for example, 40 seats in each class/batch. They should be able to see how many seats are vacant in various batches and if any batch is full then they should not be able to select that batch. Once they select their preferred batch, they will need to complete personal details (name, address, phone number etc). After completing and submitting the application form, it should go by email to the administrator. The administrator, through the admin module should be able to see all forms that have been submitted.

2. Payment Gateway:
After submission of the online application form the students/parents should be able to pay the fees for the classes through online payment. Now the credit and debit card are for the online payment modes but there is cash mode also where the student can register for the course online and later submit the fee in cash at the office.

III. Attendance Module:
The teachers should be able to mark attendance of the students through the online tool that will be developed for this system.

IV. Assignment Module:
In the assignment module the teachers should be able to send homework questions to all the students of any batch that they select.

V. Admin Module:
Administrators are provided with a full control over this software. Administration can send announcements of the events to all users in the institute. Students are provided with user ids and password. Through the admin module the administrator should be able to track admissions, track attendance of students and send homework files.

B. Advantages:
1. The project overcomes all the manual approach of maintaining class information on paper by automating.
2. As the system is fully automated, it does not require human efforts in calculating and maintaining faculty and student’s fees details.
3. Saves efforts and time and it is cost-effective.

C. Disadvantages:
1. Require Large Database.
2. The admin has to manually keep updating the information by entering the details of the faculty and staff in the system.

IV. DESIGN DETAILS

a) System Architecture:
The System Architecture exclaims that, the student sends request through web application, that request is sent to the web server through internet connectivity and it is reflected on the website database then admin analyzes the request and reverts back the Data requested by the student in the context.

For Example, if the student enquires about the course, first he visits the website then system asks for its personal information (Inquiry Form filling) then the request is sent to the administration and the data(course details) is sent to the student in the form of context.

**b) Admin Functionalities:**

![Figure 2. Admin Functionalities](image)

i. **Inquiry Management:**
   Admin analyses and controls the inquiry flow of the database. The processing of the inquiry module is by the Admin.

ii. **Student Management:**
   Maintaining the record of each student according to the course and batch and many events related to the student activities is controlled by the Admin.

iii. **Examination Management:**
   All examinations result like quiz, class test, internal/external exams etc. will be displayed online. Get details of every test or exam, student-wise, course-wise or batch-wise.[1].

iv. **Configure Courses:**
   Controlling and Managing course details such as Syllabus of the course, and other details related to course and managing the details of the staff allocated to the specific course.

v. **Fees Management:**
   Maintaining records of payment collection and the receipt issued on the basis of student/course. Configuration of fee module according to different fee types, and its calculations.

c) **Process Flow:**

The Following Figure Explains the Basic Function of the Coaching Class Management System.
V. CONCLUSION

“Web Based Coaching Class Management System” is a software developed for coaching classes which has been designed to overcome the manually management of the data related to coaching classes. It provides fully automated processing of the system which results in user-friendly approach. It is a time relevant and digitized system.

VI. REFERENCES


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