

Coaching Class Automation

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Abstract— The aim is to automate its existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a long time with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance and better services for the clients.

Key words: Coaching Class Automation

I. INTRODUCTION

Student data automation system is a desktop based application software used for institute who are manipulating the student’s data on daily bases task. This application has been built after reviewing the market need regarding student’s information and history based automation so that one can see and improve the student’s current status to get the best results. Even this application provide connectivity between students update in institute and parents. This system may be used for monitoring attendance for the college.

II. SOURCE OF IDEA

We had visited many institutes to find some automation work. In one of those visits we visited an institute in which we found that the administrator of that institute is working on to get the best student from all of them they have. But they were not very much clear in all the aspects like attendance, weekly test, performance etc. So we get this idea to build such a system which can automate the whole things and can provide the best calculation they want.

After that we planned and collected all the information and difficulties faced by institutes and we had tried to solve all that difficulties by this application.

III. LITERATURE SURVEY

A. College Management System

This paper is aimed at developing an Online Intranet College Management System (CMS) that is of importance to either an educational institution or a college. The system (CMS) is an Intranet based application that can be accessed throughout the institution or a specified department. This system may be used for monitoring attendance for the college. Students as well as staffs logging in may also access or can be search any of the information regarding college.

B. Automated Online College Admission Management System

Automated Online College Admission Management System is software developed to work on web-platform to manage the complete admission procedures of various departments of an institution like, Finance Section Administration, Student section and many more sections. Over the years that the process of admission, notice boards, important declarations about academics and administrations are being carried out manually through paper and pen which is very time

consuming and really a big headache to maintain all that record at some place. This paper-pen process is not only time consuming but also inefficient and it’s difficult to maintain the paperwork and the records. Through this software we are trying to overcome the problem of maintaining paper based records and focusing on the digital library.

IV. PROPOSED SYSTEM

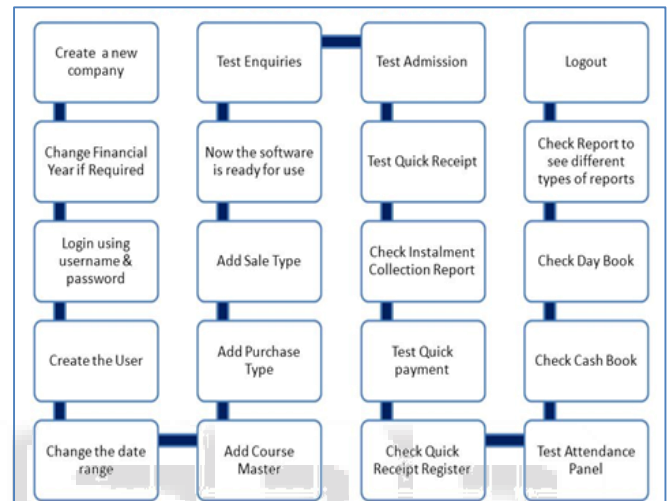


Fig. 1: Proposed system’s flow diagram

A. User Characteristics:

The target audience for System product is the college students/staff (Technical/Nontechnical). The users for this system are

- Administrator – The Super user of the system.
- Student – A user with limited access rights.
- Staff – Member of institute, has more access than student

V. SYSTEM DESIGN

A. Purpose:

Purpose of College Management System for a College (CMS) Design Document is to describe the design and the architecture of System. The design is expressed in sufficient detail so as to enable all the developers to understand the underlying architecture of System. Logical architecture of JDBC driver, Server, DML, DDL, Session and Data Store are explained.

B. Target Audience

This document is aimed to act for developers involved in the development of College Management System (CMS). This document assumes that you have sufficient understanding of the following Concepts

- RDBMS and its various component modules.
- SQL
- Java and JDBC
- Interaction Diagrams
- Classes and Interfaces

C. List of Features

- New Student Enquiry
- Any Time Registration of Students Who In Enquiry
- Fingerprint Thumb Machine And Manual Attendance System
- User Can View Student Remaining Fees
- User Can View Details Reports Of Students
- Message Sending System in 3 Different Language
- Send Report To Parent in Any Language
- Notification System To Manage Reaming Fees Of Student
- Notification System To Manage Follow-up Of Students
- Admin Can Give A Authorities to Any Operator
- Operators Can Mange System By It Authorization
- Generate Test For Students
- Test Generation For Individual And For Full Batch
- Institution Growth Report
- Current Year And Previous Year Report
- Last 6 Month Growth Report of Institute
- Institute Financial Flow Report
- For Selling This System Recharge Option
- Add And Remove Subject To Institute Database
- Admin Can Manage Multiple Users
- Add/Remove/Change Authorization Of Users
- Admin Can View Login –Logout History Of Employee / Operators
- Pay Salary To Teacher
- View Details Of Payed Salary Of Teacher By Time Or Date
- Admin Can Manage On App Load Report View
- Admin Can change Application Look And Fell
- Admin Can Change Application Color Them
- Client Server System
- By Means Of Client Server Multiple System Can Works on Single Database
- Multiple Teacher Registration
- View And Modify Teacher Details
- Online Recharge System
- Payment Gateway Integration
- API Integration
- Bill Generation
- Add Or View Expense Report Of Institute

D. This module consists of the following sub modules

- 1) Student Registration Form
- 2) Student Fee Form
- 3) Student Marks Form
- 4) Student ID Form
- 5) Employee Detail Form
- 6) Employee Salary Form
- 7) Employee ID Form
- 8) Course Detail Form
- 9) Library Form

E. Requirements

- 1) *Hardwar requirement*
 - 1 GB RAM
 - Window 7-10

- Dual Core 2nd Gen Processor
- 2) *Software Requirement*
 - Google Input Tool (For Languages)
 - Xampp Sql/Apache Server
 - java 8
- 3) *Front End*
 - Core Java
 - Advance Java
- 4) *Back End*
 - MySql
 - Basic File System
- 5) *Additional integrated API*
 - SMS API Integration
 - FTP API integration
 - Email API Integration

F. Advantages

- 1) Less efforts to find students data
- 2) Quick registration on the basis of enquiry data
- 3) Teacher registration
- 4) Integation of fingerprint machine for attendance calculation
- 5) Automated SMS sending
- 6) Scheduled SMS sending
- 7) Backup and restore facility through FTP Connection on the server
- 8) Test and report generation
- 9) Account management
- 10) Yearly financial report
- 11) Different views on students data

VI. FUTURE SCOPE

After completion of this project still there are many more thinks that we can do. Like this project can be used in the Schools, colleges, universities to handle all the transactions of students data as well as financial. Also there are possibility of online software which can monitor all the work going on and status of the firm from anywhere in the world.

VII. CONCLUSION

From this project we sure that we will learn lots of technical things. Also how the institute are facing problems regarding improvement of students and managing financial background. And how we can automate the things around us for better lifestyle. This project will enhance our prospectus, eye sights, thinking and how we can innovate the many things which can help human beings.

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