Coaching Class Application

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ABSTRACT

As department of every field is getting more data preserving and reducing the use of paper work hence digitization came into picture. Managing a good Coaching Class is as complex as managing any other education institute. Coaching Class Application is an application which manages student, subject and new batches in a coaching centre. It will reduce the human effort and lighten work burden on managing the student, subject and new batches detail. So, this Coaching Class Application will ease the work of the teachers and admin as well as the students. All the required information can be obtained at single place. An application is most important if you want to maintain standard and correct tracks of the information in a coaching center.

Keywords: Digitization, Management, Lighten work burden.

1. INTRODUCTION

The "Coaching Class Application" has been developed to override the problems prevailing in the practicing manual system. This application is supported to eliminate and, in some cases, reduce the hardships faced by this existing system. Moreover, this application is designed for the particular need of the coaching class to carry out operations in a smooth and effective manner.

This application is reduced as much as possible to avoid error while entering the data. No formal knowledge is needed for the user to use this application. Thus, by this all it proves that it is user-friendly. Coaching Class Application, as described above, can lead to error free, secure, reliable and fast management system. Thus, it will help organization in better utilization of resources.

Every organization, whether big or small, has challenges to overcome and managing the information of courses, test, students, batches, etc. It consists of all the data management and storage facilities that are required for effectively managing a class or tuition teaching multiple courses and subjects. This application provides a simple interface for maintenance of student list. This application helps in effectively managing and scheduling batches of students as per their courses and test.

2. LITERATURE REVIEW

2.1 Existing System

Existing system was carried out through manual process. Maintenance of the records in the existing system is difficult. Lot of time is taken to search for a particular record. There is a chance of occurrence of errors. Updating and retrieval of information in this existing system takes more time. The coaching institute has computers, but they are used just for the paper works and for simple jobs such as typing the notices. Since it is totally a manual one and hence there is a need to upgrade the system to that of the computer based information system.

2.2 Disadvantages of Existing System

The disadvantages of the existing system are:

- Manual process.
- Maintenance of the records is difficult.
- Chance of occurrence of errors.
- Involves large amount of paper work.
- Time consuming process.
- Slow Updating and Renewal of Data.

3. PROBLEM DEFINITION

The problem occurs when the system is managed manually. The data is recorded using papers and can cause the loss of important data, redundant data, difficult to trace data, increase cost and waste of time. Physically, the use of manual system which is using lots of paper requires more space to put the paper and it increases the cost.

The above problems are overcome in our application. It will reduce the human effort and lighten work burden on managing the student, subject and new batches detail. So, this Coaching Class Application will ease the work of the teachers and admin as well as the students. All the required information can be obtained at a single place.

4. PROPOSED SYSTEM

The purpose of Coaching Class Application consists of large data sources. The administration must personally keep upgrading the information such as add timetable, add upcoming batches, notification, new courses and student list. Coaching Class application is automated, everything is done online. It is used to maintain and track multiple course details, test, enquiry about any courses, feedback, etc. All the process is being done in such a way that it will ease the management of class.

This application consists of 3 modules:

➤ User module

➤ User login module

➤ Admin login module

➤ **User module:**

This module helps the user to get the information about the classes.

This module consists of following sub modules:

a. **Enquiry:** This module will help you to make the enquiry system well organized. Admission depends upon the number of enquiries and how it is being handled and followed up on.

b. **Classes:** In this module the user can view the list of the classes held.

c. **Location:** In this module user can get the directions for coaching class.

d. **Photo gallery:** This module contains the photos related to the coaching classes.

e. **New batches:** In this module the students will get the information about the new batches. For e.g.: timetable, date, etc.

f. **Notifications:** In this module the students will get the notifications related to coaching classes for e.g.: holidays.

g. **Contact us:** In this module the students can access the contact information of the coaching class.

h. **About us:** The about us module will contain the information regarding the coaching class on their social media links.

   Feedback: In this module the students or users can give the feedback for the coaching class.

➤ **User login module:**

In this module the student those who have registered in the coaching class can get the information about time table, notice, tests by login. This module consists of following sub modules:

a. **Time table:** In this module the registered students for the classes will get the timetable for the respective classes.

b. **Notice:** In this module the registered students will get the notices regarding to their classes for e.g.: extra classes, holidays, etc.

c. **Test:** In this module the students will get the information about the tests schedules.

➤ **Admin module:**

In this module admin has the authority to change and update the information in the application.

This module consists of following sub modules:

a. **Add timetable:** In this module the admin will add the timetable or notices regarding the classes.

b. **Add notification:** In this module the admin will add the notifications about the holidays, etc.

c. **Add upcoming batches:** In this module the admin will add the information related to the upcoming batches.

d. **New courses:** In this module the admin will add the information about the new courses provided by the coaching class.

e. **Students list:** In this module the admin will generate the student list which contains the basic information of the registered students for e.g.: name, contact no., etc.

4.1 Technology Used

➢
  PHP: PHP is a recursive acronym for "PHP: Hypertext Preprocessor". PHP is a server-side scripting language that is embedded in HTML. It is used to manage dynamic content,

  databases, session tracking, even build entire e-commerce sites. It is integrated with several

  popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL

  Server.

➢
  Android: Android is an open source and Linux-based Operating System for mobile devices such as smart phones and tablet computers. Android offers a unified approach

  to application development for mobile devices which means developers need only develop for

  Android, and their applications should be able to run on different devices powered by Android.

➢
  MySQL database: MySQL uses a standard form of the well-known SQL data language. MySQL works on many operating systems and with many languages including PHP,

  PERL, C, C++, JAVA, etc.

➢
  Java development kit: The Java Development Kit (JDK) is an implementation of either one of the Java Platform, Standard Edition, Enterprise Edition, Micro Edition platforms

  released by Oracle Corporation in the form of a binary product aimed at Java developers on

  Solaris, Linux, macOS or Windows. The introduction of the Java platform, it has been by far

  the most widely used Software Development Kit (SDK).

5. RESULT AND DISCUSSION

There are three modules in the application.

5.1 User Module

This module helps the user to get the information about the classes.

Figure 1: front view of user module

5.2 User Login

In this module the student those who have registered in the coaching class can get the information about time table, notice, tests by login.
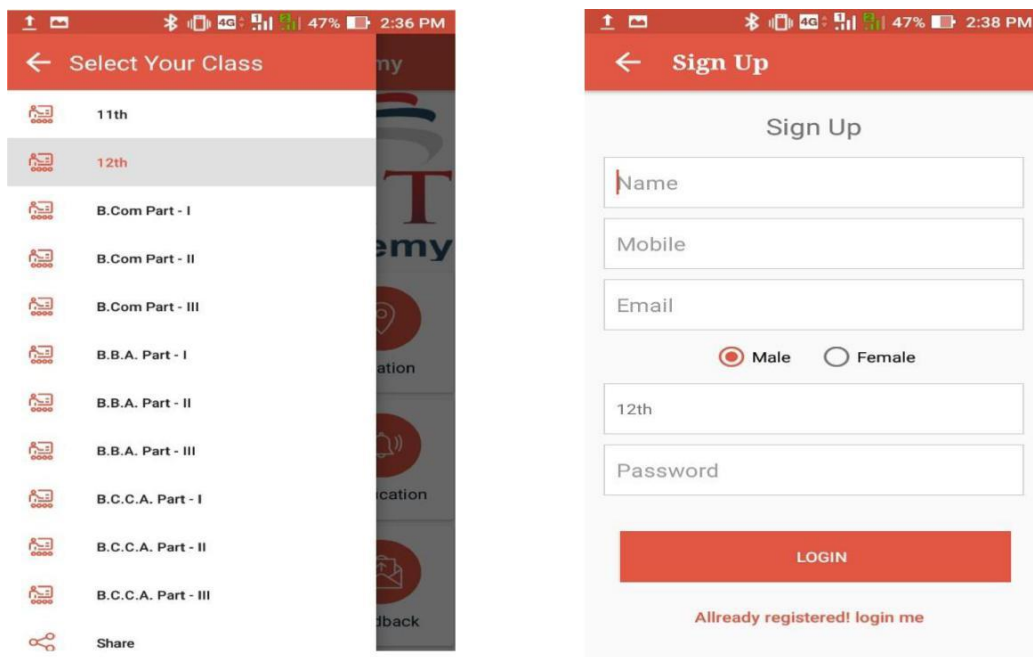

Figure 2: front view of user login module

5.3 Admin Module

In this module admin has the authority to change and update the information in the application.
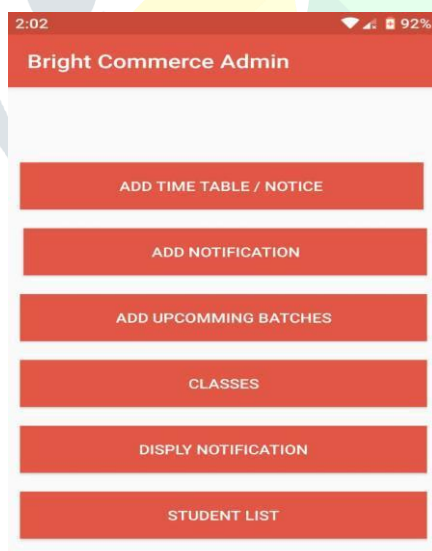

Figure 3: front view of admin module

6. CONCLUSION

Existing system was carried out through manual process. Maintenance of the records in the existing system is difficult. Lot of time is taken to search for a particular record. The above problems are overcome in our application. It will reduce the human effort and lighten work burden on managing the student, subject and new batches detail. So, this Coaching Class Application will ease the work of the teachers and admin as well as the students. All the required information can be obtained at a single place.

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