# **Coaching Administrator**

### **Motivation:**

As the world of internet progress, the need of online management of an organization also increases day by day. In order to cope with the situation, we introduce our project idea called X to manage coaching centers or personal tuitions**.** Why we chose to build such a web app, the reasons are given below shortly.

1. Too much dependency on social media causes distraction from studies
2. Many organizations cannot afford a single website
3. Personal tutors fail to manage tuition efficiently
4. Provide low cost services

To solve the above scenario, we designed an application consisting of routine and batch management, attendance and fees collection, communication and many modules .

### **Users and their role:**

**Software Admin :**

Can see which coaching centers or tutors have registered

**Guest user:**

* Visit homepage
* Can view registered coaching information

**Coaching Admin**

* Batch creation
* Assign teacher and students to batch
* Maintain routine
* Upload exam mark
* Student’s fees entry and collection
* Fund maintenance

**Teacher:**

* Collect attendance
* Communicate with students
* Routine update
* Can view salary information

**Student :**

* Can view his dues
* Communicate with teachers
* Can view Monthly performance report

**Use cases of the system :**

1. Authentication : 
   * Login
   * Forgot password
   * Registration
2. User profile
   * Add, modify and delete functionality
3. Notification
   * Routine update
   * Batch assign
   * Exam reminder
   * Class reminder
   * Exam result publish
4. Messaging
   * Each batch is assigned a messaging group
   * Students and teachers can text and share files
5. Batch management
   * Batch creation
   * Teacher and Student assign
   * Routine management
   * Exam scheduling
   * Attendance collection
6. Student performance
   * Exam result entry
   * Teacher’s comment
   * Monthly progress report
7. Financial management
   * Student’s fees entry
   * Student’s fees collection
   * Dues list generation
   * Teacher salary calculation
   * Expense account
   * Fund maintenance

**Technology:**

**Backend**

* JAVA Springboot
* Hibernate

**Frontend**

* ReactJS

**Authentication**

* Keycloak

**Build Tools:**

* Gradle

**Database:**

* PostgreSQL