

# Coaching Management System

Name: Harshit Agrawal

Roll No: 18074019

Client: Chandni Agrawal, George Prep (GP Classes)

Phone Number: 7004686842

About the Client: Chandni Agrawal is the director of George Prep (GP Classes), Visakhapatnam. George Prep(GP Classes) is an institute which offers various courses to prepare the students for competitive examinations like CAT, GRE, Bank PO.

## Overview:

The project aims to make a website for managing the operations of the institute. The website should provide login facilities for the administrators with some privileges. Apart from this, the website also aims to provide separate login accounts facilities for the faculties, students and non-teaching staff. Each of them should be able to view all the details they are concerned with. The website should also provide the details about each course and there should be a transaction portal for course purchase and other fees payment to redirect to standard third party payment gateways.

## Client Requirements:

## Database:

1. Each student should have a name ( firstname , optional middle name, optional last name), enrollment year, birth date, contact number, guardian details, address, E-mail ID and an enrollment ID to identify him uniquely.
2. Each student should have a record of his academic background like 10th & 12th percentage, boards, graduation school, graduation stream & grades, post graduation details (optional) , achievements(optional).
3. A student may optionally have a record of his work experience which includes company, Role, duration, work description, Remarks(optional).
4. Each course must have a unique exam category associated with it (Ex. CAT, GRE, Bank PO exams). There can be one or more courses in each exam category. The categories can be added in future if the institute starts offering courses for some other examinations (say for NEET).
5. Each course can have one or more subjects. Every subject in a particular course is taught by a unique faculty member.
6. Each faculty member should have a name ( firstname , optional middle name, optional last name), joining year, birth date, contact number, salary, subject(s), address, E-mail ID and a faculty ID to identify him uniquely.
7. Each subject has an associated list of faculty who teach that course. Among all such faculties one faculty is the head faculty for that subject.

8. There is a classroom associated with every course where the classes of that course are held.
9. Each course has a test series associated with it. A test series can have multiple tests (at least one) scheduled on different dates.
10. Each student has a progress report which shows the tests taken by him and his performance in them. A student can only take the tests from the test series of the course in which he has enrolled.
11. Each non teaching staff will have a unique employee ID and a role ID along with other basic details. He will have access to certain privileges based on his role.

## **Functionalities:**

### **General Interface (without logging in):**

1. The website should have an introduction page which guides the visitors about the location of George Prep and shows courses offered, Terms and conditions/privacy Policies.
2. The visitors should be able to see some previous students of the institute selected in IIMs and other top B-schools.
3. It should display a list of Frequently Asked Questions about the George Prep institute and syllabus of exams like CAT, Bank PO etc.
4. There should be a form for admin support to send a message to the admin for any queries/ schedule a visit, etc.
5. For the faculty onboarding process, a form should be available to take the details of the faculties.
6. The introduction page should have links for facebook, instagram, Just Dial and other social media pages/accounts of George Prep.
7. It should also give a short introduction to the esteemed faculty of the George Prep to attract students.

### **Student login:**

1. Each student should be able to login into his/her account using his enrolment ID and password. The account should have some basic personal profile details pertaining to the student like Name, Mobile Number, Email Address, etc. The students can edit some of these details like contact Number, E-mail ID and address.
2. The academic records and the work experience of the student is also visible here.
3. The student can see which course he has enrolled in. The subjects in this course and their faculties can also be seen here.
4. The test schedule for the course in which the student has enrolled can also be seen here.
5. The student should be able to download question papers/answer keys using google drive links if they are available for some previous test.
6. The student can also see the courses in which he has enrolled in the past. He has an option for filing complaints/feedback for some faculty.

### **Transaction Portal:**

1. Only a logged in student can access the transaction portal.
2. The portal should redirect students to a third website for fees collection so that the payments are secured.
3. Each course has a certain course fee associated with it. A student may get some rebate in fees
4. After successful payment an invoice should be generated and displayed.
5. The portal also includes the details for the previous transactions done by the student.

### **Faculty Login:**

1. Faculties should be able to login into their account using their faculty ID and password. The faculty profile should have basic personal details like Name, Mobile Number, Email ID, Account Number (for salary crediting) etc. The faculty can edit some of these details like contact and Email ID, address.
2. Faculty can also see the details regarding his work like subjects & courses taken by him, designation, date of joining, current salary.
3. Faculty should be able to view the profile and academic background of every student.
4. Faculty should be able to view the test schedule of tests from every course of every exam category.
5. Faculty should be able to download the question paper and answer keys of previously held tests.

### **Results Portal:**

1. Only a logged in faculty, student, staff or Admin can view the results portal.
2. For each subject, the student can check his marks or progress report for the tests he has taken.
3. The student should also be able to see the marks of all other students enrolled in the same course.
4. The faculty can view the results of all the students enrolled in any of the courses across all the exam categories.

### **Staff Login:**

1. Non teaching staff should be able to login into their account using their employee ID and password. The staff profile should have basic personal details like Name, Mobile Number, Email ID, Account Number (for salary crediting) etc. The staff can edit some of these details like contact details.
2. Non teaching staff include accountants, content developers, manager(s).
3. Offline collection of fees should be updated by accountants to the fees portal.
4. The content developer can add question paper, answer keys or any other study material for the students.
5. A manager has access to change all the personal profile information, academic background, work experience of students.

### **Admin Login:**

1. Admin has access to view the profiles of all the faculties, students and non-teaching staff.
2. Admin can update the leaves taken by the faculties and Staff.
3. Admin can update the salary, job designation or any other details for student, faculty or staff which are not editable from the respective account.
4. Only Admin has the access to payroll management (salary crediting, bonus, penalisation etc.)
5. Admin can view the feedback/complaints/suggestions received from the students.
6. Admin can add a new exam category, course or subject to the website.
7. Admin can view the details about the alumni of the institutes and their contact details so that he/she may invite them for guest lectures.