

Institute Management System - Project Documentation

This Django project is an **Institute Management System** designed to handle three types of users: **Admin**, **Teacher**, and **Student**. The system provides functionalities where:

- **Admin** users manage teachers, courses, and students.
- **Teachers** manage their assigned courses and students.
- **Students** can view their enrolled courses.

Custom User:

The system uses a Custom User Model to handle authentication and user roles.

- **Model Fields:**
 - Username
 - Email
 - Password
 - User_type (Admin, Teacher, Student)
- **Functionalities:**
 - **User_type** controls access and permissions in the system.
 - Admin can register, and all users can login using this model.

Teacher Management:

- **Model Fields:**
 - User(OneToOneField to the CustomUserModel)
 - Teacher Name
 - Phone Number
 - Profile Image
- **Functionality:**
 - Admin can register, update, or delete teachers.
 - Auto-create the teacher user account and set the phone number as the password

Student Management:

- **Model Fields:**
 - User(OneToOneField to the CustomUserModel)
 - Student name
 - Phone
 - Profile Image
- **Functionality:**
 - Admin can register, update, or delete teachers.
 - Auto-create the student user account and set the phone number as the password
 - **Teacher can register the student. but condition is without admin permission student user account not accepted. If admin accept the student request their data save on the Customuser model and Student model and remove their data form the pending model.**

PendingModel:

- Username
- Email
- Full Name
- Phone Number
- Profile Image

Course Management

- **Model Fields:**
 - Course Title
 - Course Description
 - Course Duration
 - Course Start Date
 - Course Fee
 - Assign Teacher(Foreign key relation with the Teacher Model)
- **Functionality:**
 - Admin can create, update, and delete courses.
 - Admin can assign teachers to courses.
 - Teachers can view and manage their assigned courses.

Admitted Course:

- **Model Fields:**
 - Student(Foreginkey relation with the Student Model)
 - Admitted Course (Foreginkey relation with the Course Model)
 - Course Fee
 - Payment
 - Due
 - Admitted Date
- **Functionality:**
 - Admin can admit the student into the course
 - Students can view their admitted courses.

PaymentHistory Model:

- Student(Foreginkey relation with the Student Model)
- Admitted Course (Foreginkey relation with the Course Model)
- Payment
- Due
- Payment Date