

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

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)
 - Payment
 - Due
 - Admitted Date
- **Functionality:**
 - Admin can admit the student into the course
 - Students can view their admitted courses.