

# Demonstration – 07

**Time:** 2 Hours

**Marks:** 100

## Question:

Create a Django project named **education\_portal**, where an admin can create and update teachers using Django Forms. Student information (basic + education) is collected through a single HTML & CSS form (not using Django Forms) and saved into the database manually through a Django view.

## Project Setup:

- **Project Name:** education\_portal
- **App Name:** portal
- **Model Name:** CustomUserModel, TeacherModel, StudentBasicInfoModel, StudentEducationInfoModel

## Custom User Model (based on AbstractUser)

Only admin registration information store into the Custom user model. Don't get the user\_type from the input form. After login admin can create other model information.

- username
- email
- password
- user\_type(Admin, Teacher)

## Teacher Model

- teacher\_name
- last\_education
- phone
- address

## Student Basic Info Model

- name
- email
- address

## Student Education Info Model

- student (ForeignKey relation with StudentBasicInfoModel)
- degree\_name
- grade
- passing\_year

## Teacher Management (Using Django Form)

- Use Django ModelForm to:
  - Add a new teacher
  - Update existing teacher data

### **Student Information Collection (Without Django Form)**

- Design a single custom **HTML and CSS form** to collect student all information then store it on StudentBasicInfoModel and StudentEducationInfoModel:
  - Name
  - Email
  - Address
  - Degree Name
  - Grade
  - Passing Year