



**Machine Test – Python (Level – C)**  
**Max time Duration – 3 Hours**

### **Assignment: School Management System using Django Frontend and Django Rest API**

#### **Frontend Part:**

1. **Register Students and Assign Classes (3 Marks)**
  - Develop a registration form for students with the following fields: first name, last name, phone, email, password, date of birth, status (default is inactive), image upload, and a dropdown to select a class created in the Class model.
2. **Implement Student Login (2 Marks)**
  - Create a login mechanism for students. Only activated students can log in. Admin should have the ability to activate/deactivate students.
3. **Student Profile Update (2 Marks)**
  - Allow students to update their profiles, including their image and other fields.

#### **Backend Part:**

5. **Create a Form View to Add a Class (2 Marks)**
  - Design a form where an admin can input class details, including class name.
6. **Activate/Deactivate Students from Admin Panel (1 Mark)**
  - Add a feature in the admin panel to activate or deactivate student accounts.

#### **General Guidelines:**

- Ensure proper validation on both the client-side and server-side to enhance data integrity and security.
- Store and retrieve data using Django Rest API, allowing data to be submitted from the frontend and saved through the API.
- **Create custom user model for student with login (phone and password) and use API token for update profile API**
- Implement a clean and user-friendly frontend using Django templates for registration, login, and profile update forms.
- **If anybody is unable to do task using API(Preferred), then they can try without it. But front-end(Django) is required.**