

```
CREATE TABLE faculty (
    faculty_id SERIAL PRIMARY KEY,
    name VARCHAR(150),
    email VARCHAR(255) UNIQUE,
    password VARCHAR(255)
);
```

```
CREATE TABLE department (
    department_id SERIAL PRIMARY KEY,
    name VARCHAR(150),
    email VARCHAR(255),
    faculty_id INT REFERENCES faculty(faculty_id)
);
```

```
CREATE TABLE researcher (
    researcher_id SERIAL PRIMARY KEY,
    password VARCHAR(255) NOT NULL,
    first_name VARCHAR(25),
    last_name VARCHAR(25),
    age INT,
    email VARCHAR(255) UNIQUE,
    department_id INT REFERENCES department(department_id),
    acc_create_time TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);
```

```
CREATE TABLE committee (
    committee_id SERIAL PRIMARY KEY,
    password VARCHAR(255) NOT NULL,
    f_name VARCHAR(25),
    l_name VARCHAR(25),
    email VARCHAR(255) UNIQUE
);

CREATE TABLE application (
    application_id SERIAL PRIMARY KEY,
    researcher_id INT REFERENCES researcher(researcher_id),
    department_id INT REFERENCES department(department_id),
    committee_id INT REFERENCES committee(committee_id),
    title VARCHAR(255),
    description TEXT,
    status VARCHAR(50) DEFAULT 'Pending',
    submission_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);

CREATE TABLE documents (
    document_id SERIAL PRIMARY KEY,
    application_id INT REFERENCES application(application_id),
    file_name VARCHAR(255),
    file_type VARCHAR(150),
    file_url TEXT,
    submission_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);
```

```
CREATE TABLE super_admin (
    super_admin_id SERIAL PRIMARY KEY,
    password VARCHAR(255) NOT NULL,
    first_name VARCHAR(25),
    last_name VARCHAR(25),
    email VARCHAR(255) UNIQUE,
    notification_interval INT
);
```

```
CREATE TABLE admins (
    admin_id SERIAL PRIMARY KEY,
    password VARCHAR(255) NOT NULL,
    email VARCHAR(255) UNIQUE NOT NULL,
    notification_interval INT,
    super_admin_id INT REFERENCES super_admin(super_admin_id)
);
```

```
CREATE TABLE application_reviews (
    review_id SERIAL PRIMARY KEY,
    application_id INT REFERENCES application(application_id) ON DELETE CASCADE,
    committee_id INT REFERENCES committee(committee_id),
    comment TEXT,
    status VARCHAR(50), -- Approved, Rejected, Pending
    review_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);
```