

```
CREATE TABLE users (  
    user_id INT AUTO_INCREMENT PRIMARY KEY,  
    username VARCHAR(255) UNIQUE NOT NULL,  
    email VARCHAR(255) UNIQUE NOT NULL  
);
```

```
CREATE TABLE students (  
    student_id INT AUTO_INCREMENT PRIMARY KEY,  
    user_id INT,  
    full_name VARCHAR(255) NOT NULL,  
    address VARCHAR(255),  
    phone_number VARCHAR(15),  
    qualification TEXT,  
    work_experience TEXT,  
    FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE SET NULL,  
    INDEX (user_id)  
);
```

```
CREATE TABLE mentors (  
    mentor_id INT AUTO_INCREMENT PRIMARY KEY,  
    user_id INT,  
    full_name VARCHAR(255) NOT NULL,  
    address VARCHAR(255),  
    phone_number VARCHAR(15),  
    qualification TEXT,  
    work_experience TEXT,  
    FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE SET NULL,  
    INDEX (user_id)  
);
```

```
CREATE TABLE topics (  
    topic_id INT AUTO_INCREMENT PRIMARY KEY,  
    topic_name VARCHAR(255) NOT NULL,  
    description TEXT  
);
```

```
CREATE TABLE tasks (  
    task_id INT AUTO_INCREMENT PRIMARY KEY,  
    topic_id INT,  
    task_name VARCHAR(255) NOT NULL,  
    description TEXT,  
    deadline DATE,  
    FOREIGN KEY (topic_id) REFERENCES topics(topic_id) ON DELETE CASCADE,  
    INDEX (topic_id)
```

);

```
CREATE TABLE attendance (  
  attendance_id INT AUTO_INCREMENT PRIMARY KEY,  
  user_id INT,  
  topic_id INT,  
  session_date DATE,  
  status VARCHAR(255),  
  FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE CASCADE,  
  FOREIGN KEY (topic_id) REFERENCES topics(topic_id) ON DELETE CASCADE,  
  INDEX (user_id, topic_id, session_date)  
);
```

