* **Step-01: Creating Table for User:**

create table users(

user\_id int primary key,

username varchar(255),

email varchar(255),

createdAt datetime

);

* **Step-02: Creating Table for Students**

create table students(

student\_id int primary key,

user\_id int,

full\_name varchar(255),

address varchar(255),

phone\_number varchar(10),

qualification text,

work\_experience text

);

* **Step-03: Creating Mentor Table**

create table mentors(

mentor\_id int primary key,

user\_id int,

full\_name varchar(255),

address varchar(255),

phone\_number varchar(10),

qualification text,

work\_experience text

);

* **Step-04: Creating Topics Table**

create table topics(

topic\_id int primary key,

topic\_name varchar(255),

description text,

sessions int,

mentor\_id int

);

* **Step-05: Creating Task Table**

create table tasks(

task\_id int primary key,

topic\_id int,

task\_name varchar(255),

description text,

deadline date

);

* **Step-06: Creating Attendance Table**

create table attendance(

attendance\_id int primary key,

user\_id int,

topic\_id int,

session\_date date,

status varchar(255)

);

alter table students add foreign key(user\_id) references users (user\_id);

alter table mentors add foreign key (user\_id) references users (user\_id);

alter table topics add foreign key (mentor\_id) references mentors (mentor\_id);

alter table tasks add foreign key (topic\_id) references topics (topic\_id);

alter table attendance add foreign key (topic\_id) references topics (topic\_id);

alter table attendance add foreign key (user\_id) references users (user\_id);

**Entity Relationship Diagram**

