

DDL STATEMENTS OF ABOVE-MENTIONED ENTITIES AND RELATIONSHIPS

```
CREATE TABLE client (  
    client_id INT PRIMARY KEY AUTO_INCREMENT,  
    name VARCHAR(50) NOT NULL,  
    contact_person VARCHAR(50),  
    contact_email VARCHAR(50),  
    contact_number VARCHAR(15),  
    industry VARCHAR(50),  
    location VARCHAR(50)  
);
```

```
CREATE TABLE project (  
    project_id INT PRIMARY KEY AUTO_INCREMENT,  
    name VARCHAR(50) NOT NULL,  
    description TEXT,  
    start_date DATE,  
    end_date DATE,  
    budget DECIMAL(15, 2),  
    status VARCHAR(50),  
    client_id INT,  
    FOREIGN KEY (client_id) REFERENCES client(client_id)  
);
```

```
CREATE TABLE employee (  
    employee_id INT PRIMARY KEY AUTO_INCREMENT,  
    first_name VARCHAR(50) NOT NULL,  
    last_name VARCHAR(50),  
    position VARCHAR(50),  
    email VARCHAR(50),  
    phone_number VARCHAR(15),  
    department VARCHAR(50)  
);
```

```
CREATE TABLE team (  
    team_id INT PRIMARY KEY AUTO_INCREMENT,  
    team_name VARCHAR(50) NOT NULL,  
    project_id INT,  
    team_lead_id INT,  
    FOREIGN KEY (project_id) REFERENCES project(project_id),  
    FOREIGN KEY (team_lead_id) REFERENCES employee(employee_id)  
);
```

```
CREATE TABLE task (  
    task_id INT PRIMARY KEY AUTO_INCREMENT,  
    name VARCHAR(50) NOT NULL,  
    description TEXT,  
    status VARCHAR(50),  
    start_date DATE,  
    end_date DATE,  
    project_id INT,  
    employee_id INT,  
    FOREIGN KEY (project_id) REFERENCES project(project_id),  
    FOREIGN KEY (employee_id) REFERENCES employee(employee_id)  
);
```

```
CREATE TABLE deliverable (  
    deliverable_id INT PRIMARY KEY AUTO_INCREMENT,  
    name VARCHAR(50) NOT NULL,  
    due_date DATE,  
    status VARCHAR(50),  
    project_id INT,  
    FOREIGN KEY (project_id) REFERENCES project(project_id)  
);
```

```
CREATE TABLE support_ticket (  
    ticket_id INT PRIMARY KEY AUTO_INCREMENT,  
    issue_description TEXT NOT NULL,  
    priority VARCHAR(50),  
    status VARCHAR(50),  
    date_reported DATE,  
    resolution_date DATE,  
    project_id INT,  
    FOREIGN KEY (project_id) REFERENCES project(project_id)  
);
```

```
CREATE TABLE team_employee (  
    team_id INT,  
    employee_id INT,  
    PRIMARY KEY (team_id, employee_id),  
    FOREIGN KEY (team_id) REFERENCES team(team_id),  
    FOREIGN KEY (employee_id) REFERENCES employee(employee_id)  
);
```