

Team 10: Training-Center-Management-System

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Introduction

A project to turn in to a lecturer for the Database Design course at [HUST_Hanoi University of Science and Technology](#) 🏢

Team Members

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Training Center Management System Database Design

```
---
title: Training Center Management System
---
erDiagram
    COURSE {
        int course_id PK
        string name
        string description
        float rate
    }

    SESSION {
        int section_id PK
        int course_id FK
        string description
        string content
    }

    STUDENT {
        int student_id PK
        string name
    }

    INSTRUCTOR {
        int instructor_id PK
        string name
        float personal_level
```

```
}

ASSIGNMENT {
    int assignment_id PK
    int session_id FK
    int student_id FK
    string description
    float score
}

BILLING {
    int bill_id PK
    int student_id FK
    int instructor_id FK
    int course_id FK
}

ATTENDANCE {
    int attendance_id PK
    int session_id FK
    int student_id FK
    int instructor_id FK
    boolean is_present
}

COURSE ||--|{ SESSION : has
SESSION ||--o{ ASSIGNMENT : has
SESSION ||--o{ ATTENDANCE : records
ATTENDANCE }o--|| STUDENT : for
ATTENDANCE }o--|| INSTRUCTOR : for
ASSIGNMENT }o--|| STUDENT : completes

STUDENT ||--o{ BILLING : pays
INSTRUCTOR ||--o{ BILLING : gets_paid
COURSE ||--o{ BILLING : generates
```