LẠI TRUNG MINH ĐỨC – SE62220  
Class: IA1161  
Subject: Introduction to Database

**LAB 3: High-Level Database Model**

***2. Draw ER Model for the problem, then Convert to Relational Data Model, then Implement the Database schema with MS SQL Server.***

**A. ER Model**



**B. Relation Database Schemas**

Employee (

EmpCode VARCHAR(10),

Name NVARCHAR(50)

)

Skill (

SkillCode VARCHAR(10),

Name NVARCHAR(20)

)

Project (

PrjCode VARCHAR(10),

Name NVARCHAR(50),

Description TEXT

)

Emp\_Skill (

ID INT,

EmpCode VARCHAR(10),

SkillCode VARCHAR(10),

BillingRate REAL

)

Works (

ID INT,

Emp\_Skill\_ID INT,

PrjCode VARCHAR(10),

Hours REAL

)

Billing (

WorksID INT,

TotalMoney MONEY

)

**C. Image of the database diagrams in SQL Server**

