

1. Project scope (short paragraph)

Write a story that defines the purpose and scope of the database. Describe the main entities (e.g., students, lecturers, etc).

Design a database for storing the information for postgraduate programs being offered at Yoobee Colleges. The database will include program details, the courses under each program, as well as student information. The database should be able to provide the information of the classes to be taken for a specific program.

2. Entities and EER diagram

List all entities with brief descriptions of their roles and attributes (e.g., Student, Course, Class, Lecturer, etc).

Program – the postgraduate program being offered at Yoobee Colleges. It is identified by a unique ID, a code, and a description.

Course – courses to be taken under a particular program. It has a unique course code and a description

Class – a class contains details of the courses outlined for a specific program and the lecturers assigned to each of them. Each class will be identified by a unique ID, a program, a course, and an assigned lecturer.

Student – information of the students including a unique ID, name, e-mail address, and to which program the student is enrolled to.

Lecturer – information of the lecturers teaching in each class such as name and e-mail address, and each is assigned a unique ID.

3. Table design

State how many tables are required after mapping the EER to a relational schema.

The database will consist of 5 tables.

Program	
(PK) Program_ID	INT
Program_Code	String
Program_Desc	String

Course	
(PK) Course_Code	String
Course_Desc	String

Class	
(PK) Class_ID	INT
Program_ID	INT
Course_Code	String
Lecturer_ID	INT

Student	
(PK) Student_ID	INT
Family_Name	String
Given_Name	String
Email	String
Program_ID	INT

Lecturer	
(PK) Lecturer_ID	INT
Family_Name	String
Given_Name	String
Email	String