**CS425 Database Organisation**

**Homework 1.1:**

Design a university database that stores the following information: student, professor, and course. You are required to show the database schema (schematic view) and the data/table view of each entity.

Remember to include the metadata to self-describe the data stored in the database.

Use any professional tool for drawing (hint: Ms Visio).

Deadline: 17th Jan 2023 Time: 12:00 noon.

**Homework 1.2:**

Implement the database schema submitted as “Homework 1.1”. You are required to specify clearly, and completely all possible assumptions undertaken on your database design and implementation.

Use open-source RDBMS for your implementation (PostgreSQL or Workbench MySQL).

Deadline: 24th Jan 2023 Time: 12:00 noon.

**Homework 1.3:**

Implement the database schema (SailingDB) found in the attachment pdf below and insert the data as shown in each table. You are provided with the query statements and the SQL commands labelled from no.1 to 29, respectively. You are required to screenshot the resultant table for each SQL command.

Submit: 1) the query statement, 2) the SQL command, and 3) the screenshot showing the query result/ resultant table for each question (as a single PDF file).

Click the icon pdf below to see the homework.



Deadline: 31st Jan 2023 Time: 12:00 noon.