

**UNIVERSITI TUNKU ABDUL RAHMAN**

**Faculty of Information and Communication Technology (FICT)**

**UCCD2303 DATABASE TECHNOLOGY /**

**UCCD2203 DATABASE SYSTEMS**

**Group Assignment**

**Session 202201**

**January 2022 Trimester**

**Deadline:** 15 April 2022 (Friday) @ 5pm

**Submission Channel:** Group Leaders are required to upload the assignment report and related files as one zip file per group to your own Google Drive (with permission for me to access your files). Please email me the Google Drive Link with email subject as follows: UCCD2303/UCCD2203 Group #Number Assignment Submission.

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| **Group No.** |  |
| **Group Leader Name:** |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Name**  **(in ascending order)** | **Student ID** | **UTAR Email Address** | **Course Code** | **Practical Group** | **Signature\*\*** |
| 1 |  |  |  |  | P ( ) |  |
| 2 |  |  |  |  | P ( ) |  |
| 3 |  |  |  |  | P ( ) |  |
| 4 |  |  |  |  | P ( ) |  |

\*\*All members should attach their individual signature confirming that the report is not plagiarized

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| **Assignment Marking Scheme** | | | | | | |  |
| **PART 1: (Group Assessment - 50%)** | | | | | | | **Marks** |
| **1.** | **Scope of Work (5 marks)**  Analyse requirements study (briefly explain the requirements/ office / business rules in the system).  PLEASE INCLUDE ANY ASSUMPTIONS THAT YOU MAKE. | | | | | |  |
| **2.** | **ER model** (**10 marks**)  You are required to design an ER diagram for the case study given, identify entities, identify relationships, identify associate attribute and determine keys.  Check your ERD with the transaction requirements stated in the case. | | | | | |  |
| **3.** | **Redesign and EER** (**10 marks**)  Redesign your ER diagram with the new requirements and extending the ERD to EER model, if any. | | | | | |  |
| **4.** | **Data Dictionary** (**10 marks**)  Based on EER diagram that you created in part 4, create a data dictionary for the solution. (Make sure the data types (Oracle) selected are appropriate) | | | | | |  |
| **5.** | **Tables and records** (**5 marks**)  Create all relations in ERD and insert the necessary records (Minimum 5 record for each table) | | | | | |  |
| **6.** | **Script** (**10 marks**)  You are required to submit the SQL schema script with proper codes. Should include Integrity and referential integrity constraints.   |  | | --- | | **Softcopy:** *Include the scripts in the submission* | | | | | | |  |
| **PART 1: Total Group Assessment - 50%** | | | | | | |  |
| **PART 2: (Individual Assessment - 50%)**  (Fill in all your group members name and ID) | | | | | | | |
| **Student Name** | | **1. (Your Name)** | **2.** | **3.** | **4.** |  | |
| **Student ID** | | **(Your ID)** |  |  |  |  | |
| **Queries**  **(20 marks)** | |  |  |  |  |  | |
| **Stored**  **Procedure**  **(10 marks)** | |  |  |  |  |  | |
| **Function**  **(10 marks)** | |  |  |  |  |  | |
| **Presentation**  **(10 marks)** | |  |  |  |  |  | |
| **PART 2: Total Individual Assessment – 50 marks** | |  |  |  |  |  | |
| **PART 1 + PART 2**  **= 100 marks** | |  |  |  |  |  | |
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