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|  | 1814ICT & 2814ICT – Data Management  7003ICT – Database Design  School of Information & Communication Technology  Trimester ..., 202…  **Assignment Part 1:**  **Designing a Database for ……..** |

**ASSIGNMENT TITLE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **s-Number** | **Full name** | **Course Code** | **Contribution %** | **Signature**\* |
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|  |  |  |  |  |
|  | **Total contributions** |  | **100%** |  |

\**Follow the note below.*

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| Declaration  Except where appropriately acknowledged, this assignment is our own work, has been expressed in our own words and has not previously been submitted for assessment. We have also retained a copy of this assessment piece for our own records. | | | |
| **Student 1:** | **Student 2:** | **Student 3:** | **Student 4:** |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\*  Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\* | Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\*  Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\* | Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\*  Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\* | Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\*  Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\* |

\**Follow the note below.*

Note: All students in the group must sign & date (electronically or with pen) on this first page.

**Table of Contents**

[Generate a table of content with page numbers.]

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# **List of Illustrations**

[Generate a list of figures and tables with page numbers.]

# **Entity Relationship Diagram** [for all students]

[Place your ERD only below. No need to copy the business case.]

# **Assumptions** [for all students]

[Write any assumptions you may have considered.]



# **Anomalies** [Group with 7003ICT students]

[Provide reasons why there are / are not anomalies]

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# **Normalisation** [for all students]

[Convert each entity from your ERD into a relation schema, draw dependency diagram and/or step-by-step convert it to 3NF. Mention the reason why a relation schema cannot be converted to the 3NF.]

**Relational database schema** [for all students]

[Convert your ERD into a relational database schema showing appropriate tables, columns, primary keys, and foreign keys, foreign key references, field type & format, etc.]

# **Appendices** [for all students] (optional)

[Add any additional work other than what has been requested. Your marker may not look at and mark the content in this section.]

# **Bibliography** [for all students]

[Add any references (e.g., books, online documents, etc.) that you have used. Your marker may not look at and mark the content in this section.]