 Faculty *of* Engineering & Technology

School *of* Computer Science & Math.

FeedBack Title: **Training Centre Database**

Module Name: **Database Systems**

Module Code: **5102COMP**

Weighting: **50%**

Maximum Mark Available: **100**

*The teaching team has assessed your coursework submission and provided the mark analysis below.*

|  |  |  |  |
| --- | --- | --- | --- |
| Cwck.No | No | Name | Your Overall Grade |
| **«No»** | **«Person\_No»** | **«Fore\_Name» «Surname»** | **«Total» / 100** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **% weighting *for* part** . . |  | . . **your grade** |
| **CREATE TABLE** Statements (*plus* *Constraints*). | 10 |  | **«TABLE»** |
| **CREATE VIEW** Statements. | 5 |  | **«VIEW»** |
| **CREATE PROCEDURE** Statements. | 20 |  | **«PROC»** |
| **CREATE TRIGGER** Statements. | 20 |  | **«TRIG»** |
| **INSERT Statements** (*from Sample Data*). | 5 |  | **«INSERT»** |
|  | | | |
| **Query Functionality** . . *out of marks shown* |  |  | **. . your grade** |
| 1. Fetch every module’s code, name & credits. | 1 |  | **«Q1»** |
| 1. Fetch every delegate’s no & name in descending order by name. | 1 |  | **«Q2»** |
| 1. Fetch the course’s code, name & credits where the name contains the string “Network”. | 2 |  | **«Q3»** |
| 1. Calculate the highest grade in any module. | 2 |  | **«Q4»** |
| 1. Modify the query from Q4 to now fetch only the delegate no. | 1 |  | **«Q5»** |
| 1. Modify the query from Q5 to also fetch the delegate name. | 1 |  | **«Q6»** |
| 1. Fetch the session’s code & date *for* sessions which are running in the next year and *for* which no room has been allocated. | 3 |  | **«Q7»** |
| 1. Fetch the delegate’s no & name along with the module’s code & name *for* delegates who have taken a module but have a failing grade. | 3 |  | **«Q8»** |
| 1. Solve the problem from Q6 using JOINS where possible. | 1 |  | **«Q9»** |
| 1. Calculate and display every delegate’s no & name along with their attained credits versus the course’s code, name & credits. | 3 |  | **«Q10»** |
| 1. Modify the query from Q10 to only show a delegate when they have attained the course’s credits. | 2 |  | **«Q11»** |
|  | | | |
| **Database Connectivity** | **% weighting *for* part** . . |  | . . **your grade** |
| Connecting. | 4 |  | **«DB1»** |
| Querying & ResultSet Processing. | 8 |  | **«DB2»** |
| Invoking CallableStatement. | 8 |  | **«DB3»** |