In-Course Assessment Examination – 01

TICT 3122(P) - Rapid Application Development (Practical)

Department of Information & Communication Technology

Faculty of Technological Studies

University of Vavuniya

Duration: 90 minutes   **Date:08-06-2022**

You are requested to submit your project in a folder named with your registration number (Eg: 2017ICTS##).

1. Create a Windows Form Application as described below.
    a. Create a database called **'DepartmentDB'** which includes two tables with following data fields and properties.

    i.   **Employee**

    Data Fields:
    EmployeeID (Integer) – *Auto Increment*
    Name (string)
    Address (string)
    Gender(string)
    Email(string)
    Phone (Integer)

                                                                                                    [10%]

    ii.   **Department**

    Data Fields:
    StaffID (integer) – *Auto Increment*
    Name (string)
    EmployeeCount (Integer)
    Head (string)

                                                                                                    [10%]

2. Note that you should use only My SQL queries to complete the following tasks related to the database.   [10%]

3. The application should have a '*Home'* Form which includes 2 buttons, Employee and Department.   [05%]

4. When the user clicks the *Employee* button it should redirect the user to an '*Employee Form'* which includes options to Add, View and Filter the details of an employee.

[05%]

5. The *Add Details* button should add the Name, Address, Gender, Email Address and Phone Number into the '*Employee table'*. [10%]

6. The *View Details* button should load the details of all the employees into a DataGrid View.

[10%]

7. The *Filter* button should redirect the user to another form named '*FilterEmployee'*.

[05%]

8. The '*FilterEmployee'* form should have the option to filter the employees based on their gender or name or both. [15%]

9. When the user clicks the *Department* button of the *'Home'* form it should redirect to the '*Department'* form which includes an *Add* and *View* button. When clicking the *Add* button it should add the Name, Employee Count and the Head of the Department into the Department table. [10%]

10. The *View* button of the '*Department'* form should load the details of all the departments into a DataGrid View.

[10%]

Hint: Refer images in the "TICT3122(P)_ICAE_01_Resources" folder for more explanation.