Practical List
Government Engineering College, Rajkot
Computer Engineering Department
Subject: *Dot Net Technology* (**Sub. Code:***2160711*)
Even Term: *2020* **B.E. Semester:***6*
Term: *12-Dec-19* **to** *14-Apr-20*

1. C# Console Applications

(1) Write a program which accepts name and country name to print following message.
   Hello Ram from country India!

(2) Write a program which accepts number of rows, number of columns and a character to print following pattern.
   If rows=2 , columns=5 and char='*', it should print,
   *****
   *****

(3) Write a program to convert digits to words.

(4) Write a menu driven program for currency conversion (Rupees, Dollar, Franc, Euro).

(5) Write a menu driven program for temperature conversion (Fahrenheit, Celsius).

(6) Write a menu driven program for number system conversion (Decimal to Binary, Octal and Hexadecimal).

(7) Write a program to convert infix notation to postfix notation.

(8) Write a program to demonstrate inheritance and polymorphism.

(9) Write a program to demonstrate exception handling.

(10) Write a program to demonstrate delegates.

(11) Write a program to demonstrate indexers.

(12) Write a program to demonstrate properties.

(13) Write a program to demonstrate Reflection.

2. ADO .Net

(1) Write a program to count total number of students. Display total number of pass and fail students. (Connected access)

(2) Write a program to display result of a student given his enrollment number. (Connected access)

(3) Write a menu driven program to insert, delete, update student database. (Connected access)

(4) Write a program to count total number of students. Display total number of pass and fail students. (Disconnected access)

(5) Write a program to display result of a student given his enrollment number. (Disconnected access)

(6) Write a menu driven program to insert, delete, update student database. (Disconnected access)

3. C# Windows Applications

(1) Develop a windows application for arithmetic calculator.

(2) Develop a windows application for restaurant billing.

(3) Develop a windows application for simple text editor. Use menus and dialog controls.

(4) Develop a windows application to display result of a student given his enrollment number.

(5) Develop a windows application to demonstrate visual inheritance.

(6) Develop a WPF application for income tax calculation.

4. ASP .Net

(1) Develop a web form for calculator. Use Autopostback mechanism.

(2) Develop a web form for user registration. Perform validation with validation controls.

(3) Develop web forms which demonstrate use of cookies and session.

(4) Develop a home page with a hit counter using application and advertisements using Ad Rotator.

(5) Develop a web form to access student database. Provide links for search and edit the records.

(6) Develop a web form to view and modify data of library database using grid view and other controls.

(7) Develop a web service for temperature conversion. Use it with a console application and web form.