Everest Engineering College

Sanepa-2, Lalitpur

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Subject: Object Oriented Programming in C++

Lab1

Title: Basic Introduction to C++

Objective:

- To be familiar with basic syntax of C++ programming.

Theory:

- ➢ Introduction to C++
- ➢ Origin of C++
- ➢ Basic C++ program structure (Must includes)
    - ❖ Header file(<iostream>)
    - ❖ Preprocessor directives
    - ❖ Namespace
    - ❖ Main() function
    - ❖ cin and cout
    - ❖ manipulators
    - ❖ comments

Lab exercises (please code yourself and show the output to instructor)

1. Write a program to display "Welcome to Everest Engineering College" in C++.
2. WAP to display the following output.

    I Live in Kathmandu.
    I Love my country.
3. Write a Program to input radius of circle and find its area.
4. Write a program to input length and breadth of a room and calculate and print its area and perimeter.
5. Write a program to calculate simple interest amount for deposit amount (P) kept in bank for (n) years at the rate of (r) simple interest per annum by implementing following categories of function.

    - ✓ Function with arguments and with return value
    - ✓ Function with no arguments and no return value
    - ✓ Function with arguments but no return value
    - ✓ Function with no arguments but with return value