Everest Engineering College
Sanepa-2, Lalitpur

Date of distribution:……….
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Subject: Object Oriented Programming in C++

Lab-1

Title: Basic introduction to C++

Objective:
- To be familiar with basic syntax of C++ programming
- To learn problem solving techniques using C++

Theory:
- Introduction to C++
- Header file(<iostream>)
- Preprocessor directives
- Namespace
- Main() function
- cin and cout
- manipulator (endl)
- const keyword
- data types
- variable and rules for declaring variables

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 input five numbers and print percentages of each numbers on their sum.

6. WAP to input marks of 5 subject and find percentage and division obtained by students considering full marks of each subject is 100.

7. 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.
    i.   Function with arguments and with return value
    ii. Function with no arguments and no return value
    iii. Function with arguments but no return value
    iv. Function with no arguments but with return value