

# Everest Engineering College

## Sanepa-2, Lalitpur

**Subject: Programming in C**

Date of Distribution: .....

Date of submission: .....

### Lab 1

**Title:** Basic Introduction to C programming

**Objective:**

- To be familiar with basic syntax of c programming
- To learn problem solving techniques using C

**Theory:**

- History of C
- Header files
- Main function
- Variables(Declaration, initialization)
- Constants
- Keywords
- Comments

**Lab Exercises:( Please code yourself and show the output to the instructor)**

- 1) Write a program to display “Welcome to Everest Engineering College”.
- 2) Write a program to display the following  
I live in Kathmandu.  
I am an Engineer.  
I love my country.
- 3) Write a program to find the area of rectangle.
- 4) Write a program to read the radius of circle and find its area.
- 5) Write a program to input temperature in Celsius & to print its Fahrenheit equivalent.
- 6) Write a program to calculate simple interest amount(SI) for deposit amount (P) kept in bank for (t) years at the rate of (r) simple interest per annum.
- 7) Write a program to input 3 digit integer number and print sum of digits in it.
- 8) Write a program to input 4 digit integer number and print it in reverse order  
(e.g. 674 => 476)
- 9) Write a program to swap two variables.