

# Everest Engineering College

## Sanepa-2, Lalitpur

**Subject: Programming in C**

Date of Distribution: .....

Date of submission: .....

### Lab 3

**Title: Loop control statements**

**Objective:**

- To be familiar with loop control statement

**Theory:**

- Introduction and necessity of loop control statements
- While loop, do-while loop and for loop (Introduction, syntax, flowchart)

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

- 1) Write a program to print 100 natural numbers.
- 2) Write a program to print even numbers between 20 to 200.
- 3) Write a program to find sum of n natural numbers.
- 4) Write a program to find sum of even and odd numbers between 50 to 500 as well count them.
- 5) Write a program to print multiplication table of a given number.
- 6) Write a program to find sum of digit of a given number of arbitrary length.
- 7) Write a program to find reverse of a given number of arbitrary length.
- 8) Write a program to check the given number is palindrome or not.
- 9) Write a program to check the given number is Armstrong or not.
- 10) Write a program to find factorial of a given number.
- 11) Write a program to generate the Fibonacci series up to nth term.
- 12) Write a program to check the given number is prime or not.
- 13) Write a program to print prime number from 1 to 200.
- 14) Write a program to print all three digit Armstrong numbers.