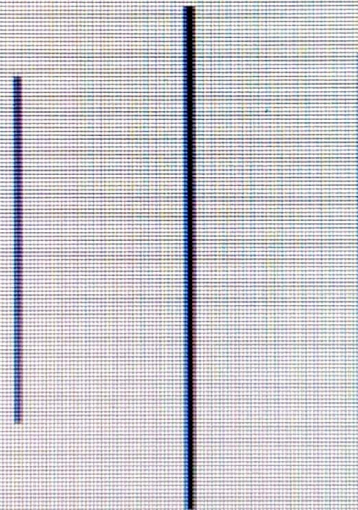# INSTITUTE OF ENGINEERING
ADVANCED COLLEGE OF ENGINEERING & MANAGEMENT
KUPONDOLE, LALITPUR
(AFFILATED TO TRIBHUVAN UNIVERSITY)

LAB REPORT
LAB NO.: 7
SUBJECT: C PROGRAMMING

SUBMITTED BY:

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DATE: 2078/03/

SUBMITTED TO:

DEPARTMENT OF
COMPUTER &
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7.

TITLE: STRING HANDLING TECHNIQUES IN C-PROGRAMMING.

Objective:

To understand programming with string & string handling function.

Theory.

String are actually one-dimension array of Characters terminated by a null character '\0'. Thus a null terminated string contains the characters that comprise the string followed by a null.

↳ Declaration of string.

Declaration of string is a simple as declaring one dimensional array. Below is the basic syntax for declearing string.

Syntax:- Char str-name [size];

↳ Initializing a string.

A string can be initializing in different way. Some example are:

1. Char str [] = "Geeks for Greeks";
2. Char str [] = { 'G', 'e', 'e', 'k', 's', 'f', 'o', '\0' };

↳ Passing string to function.

As string are kharacter array so we can pass the string to function in a same way we pass on array to function.

string handeling funtion.

String handeling function are the pre-defined function to work with string values. String handeling function are defined in a header file called strigh. However we wont to use any string handeling function we must include header file called stringh. Same of string handeling function are:-

1) Strlens ( ) function:
→ It is a function used to find the length of string.
Syntax:
   Str len (arg);

2) Str cpy ( ) function.
→ This function copies one string into another.
Syntax :
   strcpy (destinution, string, source, string);

3) Str cmp ( ) function.
→ This function is used to compare two strings s.
Syntax :
   str. cmp (string 1, string 2);

4) Str rev ( ) function.
→ This function is used to reverse string
syntax:
   Str rev (string);