## INSTITUTE OF ENGINEERING ADVANCED COLLEGE OF ENGINEERING & MANAGEMENT

KUPONDOLE, LATITPUR (AFFILATED TO TRIBHUVAN UNIVERSITY)



LAB REPORT

LAB NO.: 6

SUBJECT: C PROGRAMMING

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## SUBATITIED TO:

DEPARTMENT OF COMPUTER & ELECTRONICS

## TITLE: Array handeling techniques in C-program

Objective: -

To understand programming using dimension of Array.

The ory:

Arroy is a collection of variables belongings to the same data type. You can store group of data of same data type in an array.

Types of Array:

(a) Single dimension Array:

In C-programming language, single dimension arrays are used to store that of values of same datatype. In the other words, single dimensional arrays are used to those a row of values. In single dimensional array, data is stored in linear form. Single dimensional array are also called as one dimensional array, linear Array or simply 1.D array single dimensional array can be decleared as: Syntax: data-type array-mame Tarray-size. And single dimensional array can be initialized as data-type array-nome tsize = & value 1, value 2,

b) Multi - Dimensional Array.

An Array of array is called multidemensional array. In simple words, array created with more than one dimension (size). is called multi-dimensional array. Multidimensional array can be of two dimensional array or more...

Most popular 4 commobly used multi-dimensional array is two dimensional array. The 2-D array is used to store data in the form of table we also used 2D-array to create mathematical matrix. Two dimension array can be decleared as.

Syntax: data-type, array-name Trow-size]
Teolumn-size];

Two dimensional array can be initiated as;

Syntax: data -type, array-nome TrowsJT columnJ

= & & r, c, value, r, c, value &, & r, c, , r, c, , --- }.