LOK JAGRUTI KENDRA UNIVERSITY

**Syllabus for MCA, 1st Semester**

Course Name: Programming in C Language

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| **Unit – I Introduction to programming in C** | | |
| **Day – 3** | | |
| **Lec #** | **Topics to be covered** | **Assignment** |
| 1 | Concept of Variable, How Does the Computer Store Data in Memory? | **Essential Assignment**   1. Write a C program to calculate gross salary based on following formula. Gross Pay = Basic + DA + HRA + Conveyance + Medical + Other   Where DA is 10% of basic, HRA is 8% of basic, Conveyance is 5% of basic, medical is10% of basic, traveling allowance is 5% of basic salary.   1. Write a program to find area of triangle.(Area=(l\*b)/2) 2. C program to print ASCII value of a character 3. Write a C Program to create variable using built in datatype (int,float, char,long, short, double) and assign and print the value of each variable. |
| 2 | Data types in C, Token |
| **Desirable Assignment**   1. Write a C program to read the distance between two cities in KM. and print that distance in meters, feet, inches and centimeters. 2. Write a C Program to convert Celsius into Fahrenheit. (F = 1.8\*C + 32) 3. Write a C program to find quotient and remainder 4. Write a [C program to read marks and print percentage and division](https://www.includehelp.com/c-programs/read-marks-and-print-percentage-and-division.aspx) 5. Write a C Program to create variable using built in datatype(int,float,char, long, short,double) and take the value from user and print the value of each variable. |