|  |  |  |
| --- | --- | --- |
| **Unit – I Introduction to programming in C** | | |
| **Day – 1** | | |
| **Lec #** | **Topics to be covered** | **Assignment** |
| 1 | What is programming language, Introduction to Program and Programming, Introduction to Programming environment & first C program | **Essential Assignment**   1. Prepare a flowchart and algorithm to print output for addition of two input numbers**.** 2. Prepare a flowchart and algorithm to print output for subtraction and multiplication of two input numbers. 3. Prepare a flowchart and algorithm to convert Celsius into Fahrenheit. (F = 1.8\*C + 32) 4. Prepare a flowchart and algorithm to checks if an input number is odd or even. 5. Program to print "HELLO FRIENDS"(Using printf() function) 6. Write a C program to print student’s information like Name, Address, Mobile Number, email in separate line. |
| 2 | What if flow chart? Objective of Flow Chart, Symbols used in Flow Chart, Example of Flow Chart, What is Algorithm? Objective of Algorithm, Example of Algorithm Compare Flow Chart and Algorithm | **Desirable Assignment**   1. Prepare a flowchart and algorithm for area of rectangle and area of triangle using given formula. (area of rectangle = l\*b and area of Triangle = ((l\*b)/2) 2. Prepare a flowchart and algorithm to checks if an input number is positive, negative or zero. 3. Prepare a flowchart and algorithm to find circumference of a circle. (circumfrences=2\*PI\*r), where r is radius, PI=3.14.   Perimeter :PI\*r\*r   1. Draw a flowchart and write an algorithm for calculating the simple interest using the formula SI = (P \* T \* R)/100, where P denotes the principal amount, T time, and R rate of interest. 2. Write a C program to print Employees’ information like Name, Address, Mobile Number, email, department, designation & salary in separate line. 3. Write C program to print the following:   LJMCA LJMCA  LJMCA LJMCA  LJMCA LJMCA  LJMCA LJMCA  LJMCA LJMCA  LJMCA LJMCA  LJMCA LJMCA |