

### **3. Programming using C (CS-104)**

**(4-0-0)**

Introduction to problem solving : Structure of C program, C data types, Storage types, String processing, C operators and expressions, Precedence of operators, Control statements, Loops , Arrays , Pointers, Array and Pointers, Static versus Dynamic Arrays, Unions, Structures, Macros, C preprocessors, Library functions, Functions : defining , accessing, function prototypes, Parameter passing, command line arguments, files handling.

#### **References:**

1. B.W. Kernighan, Dennis M. Ritchie , The C Programming Language , PHI/Pearson, 1988
2. Dromey, How to Solve it By Computer, PHI, 2008
3. E Balaguruswamy , C Programming, Tata Mc Graw Hill, 2002
4. Stephen G. Kochan ,Programming in C, Pearson Education, 2005