CORE COURSE III - PROGRAMMING IN C WITH LAB PRACTICE

LECTURE COMPONENT

UNIT I

Introduction to C – Constants, Variables, Data types – Operator and Expressions

UNIT II

Managing Input and Output operations – Decision Making and Branching – Decision making and Looping.

UNIT III

Arrays – Character Arrays and Strings – User defined Functions

UNIT IV

Structures and unions – Pointers – File management in C

UNIT V

Dynamic memory allocation – Linked lists- Preprocessors – Programming Guide lines.

TEXT BOOK:

1. Balagurusamy E., Programming in ANSI C, Third edition, Tata McGraw-Hill, 2006 (ISBN – 0-07-053477-2)
   [Unit-1 (Chapters - 1, 2, 3); **Unit-2 (**Chapters – 4, 5, 6) ; **Unit-3 (**Chapters – 7, 8, 9); **Unit-4 (**Chapters – 10, 11,12); **Unit-5 (**Chapters – 13, 14, 15)]