KONGU ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

ERODE – 638 107

DEPARTMENTOFCOMPUTER TECHNOLOGY AND INFORMATION TECHNOLOGY
VALUE ADDED COURSE – SYLLABUS

20VCTCP - THE ART OF C PROGRAMMING

Course Objective: The Objective of the programme is to solve the complex problems in C language.

UNIT I	Constants, Variables and Data Types & Operators and Expressions	8 Hours
Constants - Variables - Keywords - Data types - Operators.		
UNIT II	Decision Making and Branching and Decision Making and Looping	8 Hours
The decision control structure - The loop control structure - The case control structure.		
UNIT III	User Defined Functions, Pointers and Preprocessor	8 Hours
Functions - Pointers - The C preprocessor.		
UNIT IV	Arrays, Strings and Structures and Unions	8 Hours
Arrays - Strings - Structures.		
UNIT V	Console Input/Output and File Processing	8 Hours
Console Input/output - File Input/output.		
	Total Hours	40 Hours

Reference Books

1. Yeshavant P.Kanetkar "Let us C, BPB Publications, Fifth Edition.
2. Harry H. Chaudhary, Jumping into C Programming Including 2000+ Programming Examples published by first MIT Create space Inc., 2014.
3. Stephen G. Kochan, Programming in C, Fourth Edition, Person Education, 2015.
4. Kamthane Ashok, C Programming Test your Skills, Person Education.

Course Outcome:

On Completion of this course the students will be able to

- Understand the syntax of data types and evaluate arithmetic expression.
- Compare the different types of decision making and looping constructs and solve problems using them.
- Understand and appropriate the use of arrays, strings and functions.

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