

FACULTY OF: Computer Science **DEPARTMENT OF:** M.Sc(CA & IT)

SEMESTER: II
CODE: 4CS02PRC1
NAME: Programming in C

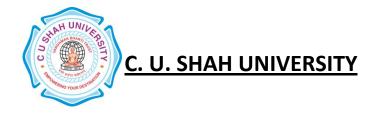
Sr · N o	Subject Code	Subject Name	Teaching Hours/Week				Cre dits	Evaluation Scheme/Semester					Total Marks	
1	4CS02PRC1	Programming in C	T H	T U	P R	TOTA L		Theorem Sessional Exam		ry Universi ty Exam	Practical Sessional Exam		University Exam	
								Mar ks	Hr s	Marks	Mar ks	Hr s	Total Marks	
			4	0	0	4	4	30	1.5	70	30	1.5	30	100

Objectives:

- \cdot To introduce the basics of programming to the students. Students will familiar with problem solving techniques.
- · To introduce basic and intermediate level concepts and techniques of the C programming language.

Pre-requisites: Awareness of Computer is required.

Sr.No	Course Contents	Total Hrs.
1	Fundamental of 'C'	5
	History of C, Importance of C language, Structure of	
	C program, C tokens, variables and data types,	
	comments, constants, Symbolic constant.	
2	Operators	8
	Arithmetic, relational, logical, assignment, bitwise,	
	increment and decrement, conditional, special	
	operators.	
3	Expression	7
	Arithmetic expressions, evaluation of expressions,	
	type conversion, precedence and associativity.	
4	Control Structures	10
	Simple IF statement, if – else statements, Nested if-	
	else, switch statement	
5	Looping and jumping structures	8
	Looping statements, goto statement, break and	
	continue statement.Could, May, Might, Must, Ought	
	to, Need, Dare to, Used to	
6	Array	7
	Concept of array, One and Two dimensional arrays,	
	declaration and initialization	
	of arrays	



Learning Outcomes:

At the end of this course the students can solve problem usingC, fundamental of programming language and also improve the programming skills.

Books Recommended:

- 1, "Programming in ANSI C", EBalagurusamy TMH Publication. (4th Edition).
- 2, "C: The Complete Reference", Herbert Schildt, TMH Publication.(4th Edition).
- 3, "Let us C", Y Kanetkar, BPB Publication(3rd Edition).
- 4, "C Programming Language", Brian W. Kernighan(2nd Edition).
- 5, "The C Programming Language", BrainW, Pearson(2nd Edition).