	Subject Code > CSI 500
-	
	O SYLLABUS
13	
10	Trogramming for Problem Solving
8	
1	
1	
	(a) Introduction to Components of a Computer System: Memory, Processor, I/o devices, Slorage, Officialing System, Concept of assembler, Compiler, interpreter & loader linker
3	Memory, Processor, I/o devices, Slorage, Offerating
-	System, Concept of assembler, Compiler, interpreter
	& loader, linker.
-	(b) Idea of Algorithm: Representation of algorithm, Flow Chart, Pseudocode with examples, from
-	I low chart, Pseudocode with examples, from
-	algorithm to programs, Source Code.
3	(c) Structure of C Programs: Writting & executing the I C Programs, Syntax & local and
-	the I C Programs, Syntax & logical errors in
-	Compilation, object and executable code.
-	
	(d) Components of clanguage: Standard I/O in C, fundamentals data types Variables and Memory
9	- fundamentals data types Variables and Memory
3	locations, Storage classes.
	M
	Module - 2:
-	(a) Arithmetic expression & Precedence: Operatus and
	CAPSEMILIC OSITIO HOLLESIC & SCIATIONAL OF and is
-	MINEY OPEROUSE TAPE CONVERTION /
	By Oberations Conduction oberator profitor
	& associativity.

(b) Conditional Branching: Applying if an else with Statement Nesting if and else 180 break & default in Switch Statement.
Module -5:
(a) Interaction and loops: Use of While, Do While & for loops, Multiple loop Variables, Use of Break & Continue Statement.
(b) Function: Introduction, Types of Junctions, Junction 1sith away, Jawing parameters to Junction, Call by Value, Call by reference, Recursive Junction.
Module -4:
(a) Array solution & refresentation, Manipulating array elements, Using multidimensional arrays, Character arrays & Hrings, Structure, Union, Numbrated data types, array Structures, Pawing arrays to function.
(b) Basic Algorithms: Seasching & Basics Sorting algorithm (Bubble, insertion & Selection), finding roots of equation, notion of order of Complexity. Module - 5:
(a) Pointers: Totroduction, Declaration, Application, Totroduction to dynamic Memory allocation (MALLOC, CALLOC, REALLOC, FREE), Use of pointers in Self-refreshiol
KEAILOC, I KEE), Ose of Dominate in self-self-self-self-self-self-self-self-