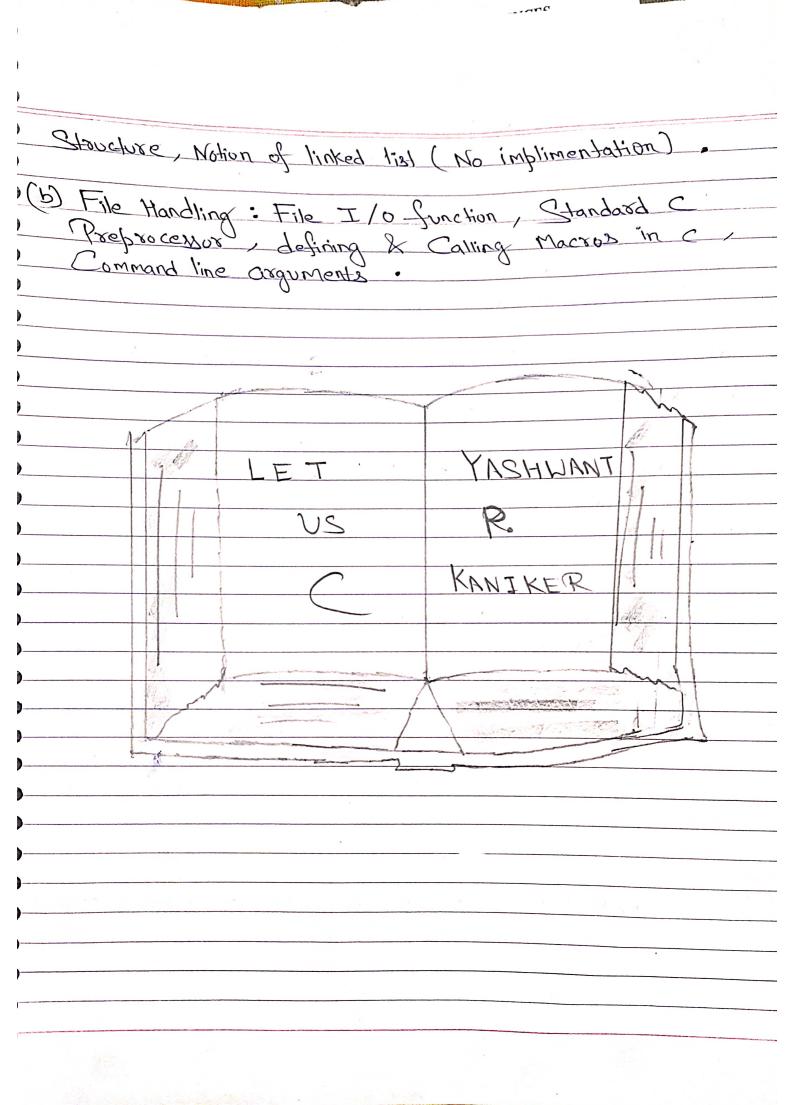
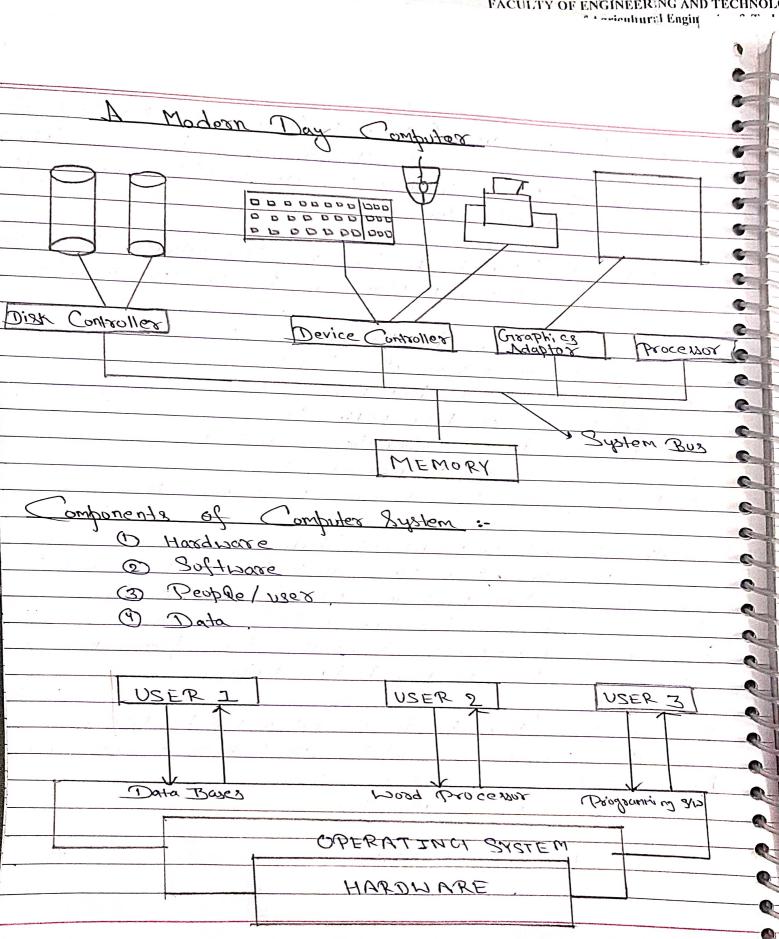
	Subject Code > CSIT 308
1	
•	SYLLABUS
10	Togramia F Polica
	Jogramming for Joblem Solving
8	Module - 7:
	(a) Introduction to Components of a Computer System:
	Memory Processor I/o devices Storage, Obrating System, Concept of assembler, Compiler, interpreter
S	System, Concept of assembler, Compiler, interpreter
S	& loader, linker.
	(b) Idea of Algorithm: Kepresentation of algorithm, Flow Chart, Pseudocode with examples, from
	Clasille 1
	algorithm to programs, Source Code.
	(c) Structure of C Programs: 1 billion & para
3	(c) Structure of C Programs: Writting & executing 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
-	- fundamentals data types Variables and Memory
	locations, Storage classes.
	Module - 2:
	Tooble - 1
	(a) Arithmetic expression & Precedence: Operatus and
	enpression using numeric & relational operatus and
	Mined obe lands - type Convertion I aid I
	Bit operations, assignment operator operatus, & associativity.
	& associativity.
	V .

(b) Conditional Branching: Applying if an elso with
VI. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Statement Nesting of and coment
dejaut III Spirce process
M11 7:
Module -5:
(a) Interaction and loops: Use of while & Break &
for loops, Multiple loop Variables, Use of Break &
Jos 100 ps / Totaline 100
Continue Statement.
(b) Function: Introduction Types of Junctions, Junction
(b) Function - Introduction of Special Call by Spith away , Passing parameters to Junction, Call by reference, Recursive Junction.
1 (1) A reference , Recursive function.
Valve / Call of reference
Module -4:
, I toavie
(a) Trays: Array notation & representation, Manipulating
array elements. Using multidimensional arrays Character arrays & strings, Structure, Union,
Character arrays & Hrings, Structure, Union,
Numbrated data types array Structures, Pawing
arrays to function.
and the second of the second o
(b) Basic Algorithms: Seasching & Basics Sorting algorithm (Bubble, insertion & Selection), finding souts of equation, notion of order of Complexity.
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)
to dynamic memory allocation (MALLOC, CALLOC,
to dynamic memory allocation (MALLOC, CALLOC) REALLOC, FREE), Use of pointers in Self-refrential



Date	
22/8/22	
Introduction to	
Components of a Computer System:	
1 1 via davice which	
Takes data & instruction as input, Stores them, processed Takes data & instruction as input, Stores them, processed	
takes data & instruction as input, stores men from also them & gives meaningful results as output which Can also	
be termed as information.	
Input -> Store -> Processing -> Store -> Output	
Function of a Computer:	
7 Strang 7 5. Controlling	
1 · Morage	3
2. Proceding	
y. Tabut	
Components of a Computer:	
(i) Hardware	
(ii) Software	
Block diagram of a Computer.	1 8
7 105 0 246	
CPU> Flow of Ontrol	
Data & Input unit R-1.V Dulpul unit Output	
Instruction Triput unit Results	
m.v k	
L Secondary	
They dist	1

	P
)	Central processing unit (CPU): - 4+ is Called "the Brain of Computer
)	Computer" as it Controls operation of an part 8 of Computer of Controls operation of an part 8 of Computer of Control of
	It Congist of three Components: Control unit (CU), Arithmetic
)	Condition of week Comparison
)	logic unit (A.I.V), Memory unit (M.V).
)	Control unit (cu): - this part of CPU entracts instructions Performs execution, maintains & directs operations of
)	Course out (50) This base of givert's operations of
•	performs execution, maintains & cities.
-	Syller.
<u> </u>	4 performs following function:
_	1) Controls an activities of Computer.
<u> </u>	2 Supervises flow of data Lithin CPU.
2	3 Directs flow of data within CPV.
	(9) Transfers data to arithmetic & logic unit.
)	5 Transfers results to memory
	@ Felches results from memory to output devices.
	Azithmetic logic unit (ALU):- Data entered into Computer
	is Sent to RAM, from where it is then Sent to ALV,
_	Where very of data processing takes place. All types of
)	processing Such as Compaisons, decision making &
)	processing of non-numeric information takes place here &
)	once again data is moved to KAM
)	
)	Memory unit (MU) :- This is writ in which data
)—	Memory unit (MU):- This is unit in which data & instructions given to Computer as well as results given
)—	ph Computer are Stored.
)—	* Unit of Memory is " Byte".
)	7
)—	1 Byte = 8 Bits
)—	
•	



Data base -> 1
Data base > A database is an organized Collection of
intermedian, or data tubically stored electromany
in a Computer System.
Hord processor - A was because is a like of holdings
Abord processor > A word processor is a type of Suftware application used for Compassing, editing, formatting & Printing documents.
Printing documents
Programming Software > It is a Software which helps the brogrammer in developing other Software. Compilers. Assemblers, debuggers, interpretors etc. one examples of brogramming Software.
the programmer in developing other Software, Combilers,
assemblers, debuggers, interpretors etc. are examples of
programming Software.
OPerating System -> operating System is a Suftware that Control System's hardware & interacts with user and application Suftware.
Controls System's hardware & interacts with user and
application Suftware.
)