

MONTH/YEAR	WEEK	PORTIONS
July 2021	4	<ul style="list-style-type: none"> a. Introduction to Computer Hardware and Software b. Introduction to Problem Solving using Flowchart and Algorithm c. Formulating Test cases
	5	Getting started with C <ul style="list-style-type: none"> a. Basic structure of C program b. Code, Compile and run
MONTH/YEAR	WEEK	PORTIONS
August 2021	1	Character Set, Keywords, Constant, Variables
	2	<ul style="list-style-type: none"> a. Declaration and assigning values to variables b. Data Types, Format specifier, Cyclic property
	3	Operators <ul style="list-style-type: none"> a. Arithmetic operators, b. Relational operators, c. Logical operators, d. Assignment operators, e. Modify operators, f. Conditional operators, g. Bit wise operators, h. Special Operators
	4	<ul style="list-style-type: none"> a. Precedence of operators and their associativity b. Expressions and their evaluation c. Type conversion
	5	Managing input and output operations using <ul style="list-style-type: none"> a. printf(), scanf() b. Format specifiers/Control strings c. Example programs, Discussion on Lab experiments
MONTH/YEAR	WEEK	PORTIONS
September 2021	1	Decision structures <ul style="list-style-type: none"> a. if b. if else c. nested if d. else if ladder
	2	<ul style="list-style-type: none"> e. conditional operators f. Example programs Case control structure <ul style="list-style-type: none"> a. switch b. switch Vs if else ladder
	3	Looping structures <ul style="list-style-type: none"> a. for

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	4	<ul style="list-style-type: none"> b. while c. do-while d. break e. continue
October 2021	3	<ul style="list-style-type: none"> a. Example programs b. Revision/Tutorial/Unit Test
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October 2021	3	<p>Arrays</p> <ul style="list-style-type: none"> a. Concept of 1-D and 2-D array b. Array initialization c. Array elements in memory d. Example Programs
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November 2021	1	<p>Sorting algorithms</p> <ul style="list-style-type: none"> a. Bubble sort b. Selection Sort c. Example programs
	2	<p>Searching algorithms</p> <ul style="list-style-type: none"> a. Linear search b. Binary search c. Example programs d. Lab experiments and Tutorial
	3	<p>Functions</p> <ul style="list-style-type: none"> a. Categories: Built-in functions & User defined functions b. Parameters/Arguments c. Actual and formal arguments d. Example programs <p>Recursion & Example Programs</p> <ul style="list-style-type: none"> a. Finding factorial b. Fibonacci series c. GCD of 2 numbers d. To check a number whether it is prime <ul style="list-style-type: none"> C. Passing arrays as arguments in functions D. Example Programs
	4	<p>Pointers</p> <ul style="list-style-type: none"> a. Introduction to pointers b. Arrays & pointers c. Pointer arithmetic d. Pointers as arguments in functions e. Example Programs & Lab experiments
	5	<p>Structures</p> <ul style="list-style-type: none"> a. Introduction of structure and union with declaration & initialisation

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December2021	1	<ul style="list-style-type: none"> b. Accessing structure members/elements c. Array of structures d. Nested structure e. Example programs & lab experiments
		Data Structures <ul style="list-style-type: none"> a. Introduction b. Built in and User Defined Data Structures, Applications of Data Structures c. Definition, Implementation of Stacks and Its Operations
	2	<ul style="list-style-type: none"> a. Evaluation of Infix, prefix and Postfix Expression b. Definition, Implementation of Queue and Its Operations c. Linked List and its implementation, d. Link list implementation of stack and queue, e. Circular and doubly linked list.
	3	Study Leave