



Program	BACHELOR OF VOCATION (B.Voc.)	Semester - 1
Type of Course	-	
Prerequisite		
Rationale	-	
Effective From A.Y.	2024-25	

Teaching Scheme (Contact Hours)				Examination Scheme				
Lecture	Tutorial	Lab	Credit	Theory Marks		Practical Marks		Total Marks
				SEE T	IAT	SEE P	CCE	
-	-	2	1	-	-	30	20	50

SEE - Semester End Examination, IAT - Internal Assessment Test, CCE - Continues & Comprehensive Evaluation

Course Content		T - Teaching Hours W - Weightage	
Sr.	Topics	T	W
1	Practical 1 1. Write a program to print –HELLO WORLD 2. Write a program that reads two nos. from key board and gives their addition, subtraction, multiplication, division and modulo 3. Write a program to convert days into months and days	2	
2	Practical 2 1. Write a program to select & print the largest of the three nos. using Nested-If-Else statement 2. Write a program to display a multiplication table 3. Write a program to find the sum of first N odd numbers (Ex. 1+3+5+7+.....+N)	2	
3	Practical 3 1. Write a C Program to print following Patterns: * ** *** **** 2. Write a C Program to print following Patterns: 1 0 1 1 0 1 0 1 0 1 3. Write a C Program to print Pascal Triangle	3	
4	Practical 4 1. Write a C Program for making basic calculator using switch statement 2. Write a C program to add two matrix 3. Write a C program to read array of integers and print it in reverse order	3	
5	Practical 5 1. Write a C program to find length of string using strlen() function 2. Write a C program to copy one string to another string 3. Write a C program find given string is palindrome or not using string library function	4	
6	Practical 6	4	



Course Content		T - Teaching Hours W - Weightage	
Sr.	Topics	T	W
	<ol style="list-style-type: none"> 1. Write a function power that computes x raised to the power y for integer x and y and returns double type value 2. Write a program that used user defined function Swap () and interchange the value of two variable 3. Write a program to find factorial of a number using recursion. 		
7	Practical 7 <ol style="list-style-type: none"> 1. Define a structure type, personal, that would contain person name, date of joining and salary. Using this structure, write a program to read this information for one person from the key board and print the same on the screen 2. Define a structure called cricket that will describe the following information: <ol style="list-style-type: none"> i. Player name ii. Team name iii. Batting average 	4	
8	Practical 8 <ol style="list-style-type: none"> 1. Write a program using pointer and function to determine the length of string 2. Write a program using pointer to read an array if integer and print element in reverse order 3. Write a program using pointer to concate two strings 	2	
9	Practical 9 <ol style="list-style-type: none"> 1. Write a C program to illustrate reading files contents 2. Write a C program to illustrate writing in files 3. Write a C program to illustrate the use of fgets () and fputs() 	2	
10	Practical 10 <ol style="list-style-type: none"> 1. Write a program that uses a table of integers whose size will be specified interactively at run time 2. Write a program to store a character string in block of memory space created by malloc and then modify the same to store a large string 	2	
Total		28	

Course Outcomes	
At the end of this course, students will be able to:	
C01	Formulate algorithm/flowchart for given arithmetic and logical problem.
C02	Translate algorithm/flowchart into C program using correct syntax and execute it .
C03	Write programs using conditional, branching, iteration, and recursion.
C04	Decompose a problem into function.
C05	Develop an application using the concepts of array, pointer, structure, and file management to solve problems.



Reference Books

1.	Programming In ANSI C by E. Balagurusamy published by Tata Mc Graw Hill
2.	Let Us C By Kanetkar, Yashavant P BPB Publications