



C.U.SHAH UNIVERSITY
VBT's Institute of Commerce,
Wadhwan city
W.e.f.- June 2018

FACULTY OF COMMERCE
DEPARTMENT OF: - Bachelor of Commerce (B.Com)

SEMESTER: - VI

CODE: - 4CO06CSC2

NAME: - Computer Science VI

Teaching & Evaluation Scheme:-

Sr. No	Subject Code	Name of the Subject	Teaching Hours / Week				Credits	Evaluation Scheme							Total Marks
			Th	Tu	Pr	Total		Theory				Practical			
								Sessional Exam		University Exam		Internal		Unive rsity	
								Marks	Hr/s	Marks	Hr/s	Pr / Viva	TW	Pr	
1	4CO06CSC2	Computer Science VI	2	-	2	4	3	15	1/2	35	2	15	--	35	100

Course Outline : To impart information technology related skills to the students

Units	Content	No. of Hours
1	WORKING WITH DATA AND OUTPUT SELECTION CONDITIONS: Variables, Data Types, Declaring Variables, Scope of Variables, Constants, Arithmetic operations on Data, Displaying What is Selection? Type of selection, testing multiple nested IF structures, Complex multiple condition, Select Case, Extensions to select a case	12
2	LOOPS, HANDLING STRINGS, DATES HANDLING AND TIME WITH: What is a Loop?, Type of Loops - FOR... NEXT, DO WHILE...LOOP, DO... LOOP UNTIL Introduction, Declaring Strings, ASCII, Processing Strings, Dates, Formatting Date output, Handling Time, Calculations Time and Date	10
3	PROCEDURES AND ARRAYS : What is a Procedure? Types of Procedures, Why use Procedure? Passing Parameters, Practical work on using the correct formal parameters, Functions, Form and Standard Modules. What is an Array?, How to declare an Array?, Static and dynamic arrays, Processing an Array, Passing Arrays to Procedures, Two Dimensional Arrays, Control Arrays.	15
4	FILES AND MENUS : What is a File? Types of Files(concept), Basic file operations like read, write, append (Sequential file only) Introduction, Type of Menus, Features of menu	8
Total Hours		45

Learning Outcomes :-

Practical Outcome :- Student can solve the problems of – Computer Science.

Theoretical Outcome:- Students can learn Theoretical aspect of Computer Science.

Teaching and Learning methodology:- The following pedagogical tools will be Used to teach this course:

- (A) Lectures
- (B) Case discussions
- (C) Assignments / Class participation / Quiz etc.

Reference Books:

1. Successful Projects in Visual Basic - D. Christopher - BPB
2. Mastering in Visual Basic - BPB
3. Programming in Visual Basic (Peter Norton)