FACULTY OF COMMERCE

BACHELOR OF COMMERCE

SEMESTER III(Three)   **CODE** 4CO03CSC1

Name of Subject Computer Science – III

Teaching & Evaluation Scheme

Teaching Scheme(Hours)				Evaluation Scheme(Marks)		
Theory	Tutorial	Practical	Total	Sessional	University	Total
2	0	4	4	30	70	100

Objective   To Impart Information Technology Related skills to the Students

Prerequisite   Required fundamental knowledge of Computer Application

Course outline

Sr. No.	Course Contents	Number of Hours
1	Introduction : Concept of DBMS, Creation of database file Structure	5
2	• Input/output, initializing, assigning and other commands: ?, ??, ???, *, &&, note, = • accept, input, store • wait, @ say ... get [picture, range, valid, • default, when] • read, say, clear, &&, exit, loop, @ ... to, @ • ... box, @ ... fill, @ ... prompt with message • Array declaration using dimension (one dimension and two dimension) Practical Exercise	20
3	Looping commands: for ... endfor • do while .... enddo	5
4	Conditional and branching commands: if ... else ... endif (also nesting) • do case ... endcase	10
5	Library Functions: Character, string and other functions: chr(), asc(), val(), left(), right(), str(), substr(), len(), lower(), upper(), ltrim(), rtrim(), alltrim(), stuff(), isupper(), islower(), isalpha(), isdigit(), soundex(), parameter(),proper()	5

	• Numeric functions: abs(), between(), ceiling(), floor(), int(), min(), max(), mod(), round(), sqrt(), rand(), sign() • Date and Time functions:date(), time(), day(), dow(), month(), year(),dtoc(), ctod(), cdow(), cmonth().	
	Total Hours	45

Learning Outcomes

Theoretical Outcome use Internet for Information Retrieval & Data Transfer.

Practical Outcome Students can Prepare Spreadsheets and Apply Various Tools of Excel and Internet Communication

Teaching & Learning Methodology

- Lectures

- Role play

- Case Studies

- Class Participation

Books Recommended

1. **'Computer Fundamentals and Information Technology'** by *bharat and co.*
2. **'Computer Fundamentals'** by *P. K. Sinha*
3. **'Fundamental of IT for BCA'** by *S Jaiswal*
4. **'Internet the Complete Reference'** by *young*
5. **'Internet of every one Teach World'** by *Leon*
6. **'Foxpro 2.5 Made Simple'**, by *R. K. Taxali*, BPB Publication
7. **'Programming in Foxpro 2.6'**, by *Gagan Sahoo*, Khanna Publication

E-Resources

1. http://ocw.usu.edu/instructional-technology-learning-sciences/computer-applications-for-instruction-and-training/