

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (Autonomous)

Department of BCA

Curriculum Relevance: Course Content with focus on Employability/ Entrepreneurship/Skill Development (UG) 2018-19 to 2023-24

BCA-I to III (2018-2019)						
Sr. No.	Name of the Course	Course Code	Year of Introduction	Employability	Entrepreneurship	Skill Development
1	Fundamental of Computers	BCA 1391 A	2018-2019	Computer Languages – Machine Language, Assembly Language, High-level Language, Input Devices	NIL	Number System - Decimal, Binary, Octal & Hexadecimal, Conversion from One base to another base. Computer Codes - : BCD, EBCDIC, ASCII
2	Programming in C Paper –I	BCA 1392 A	2018-2019	ALGORITHM: Definition, notations, characteristics of algorithm, FLOWCHARTS: Definition, features of flowcharts, symbols	NIL	Conditional statements, String functions
3	Principles of Management	BCA 1393 A	2018-2019	Sources of Recruitment & Scientific Selection Procedure Training & Development	Organizing :- Meaning, definition, Importance, principles of organizing	Leadership, Challenges of Leadership
4	Financial Accounting	BCA 1394 A	2018-2019	Preparation of final Accounts of Sole	NIL	Methods of Depreciation: Straight



				Traders & Partnership firms		line Methods, Reducing Balance Method, Change in Depreciation Method
5	Software Packages	BCA 1398 B	2018-2019	Spread sheet application	Adding Graphics- Inserting pictures, movies, tables, Adding Effects-Setting animation and transition effects, audio and video, Printing handouts.	Creating Presentation- Setting presentation style, adding text, Working With Documents
6	Programming in C Paper –II	BCA 1399 B	2018-2019	User defined functions, File Handling	NIL	Operations on file: getc(), putc(), getw(), putw(), fprintf(), fscanf(), ftell(), fseek(), rewind()
7	Bank Management	BCA1400B	2018-2019	Role of Director, General manager- Important Provisions of and Branch manager	Investment practices and policies- fundamental principles of security investment	Management of reserves- Risk Management
8	Financial Accounting with Tally	BCA 1401 B	2018-2019	Accounting of Limited company Type of shares and Debentures	creation of company	Preparation of Profit and Loss A/C and Balance Sheet in vertical format
9	Principle of Marketing	BCA 1402B	2018-2019	Marketing Information System	Concept & techniques, significance of e-Marketing in 21st Century	7 P's of marketing mix,
10	Management Accounting	BCA1405C	2019-2020	Production, Sales, Cash, Master Budget, Capital	Role of Management	Make or Buy Decisions



				Expenditure, Budgeting		
11	Human Resource Management	BCA1406C	2019-2020	Role HRM ,Qualities of HR Manager	Virtual Organization	Recruitment and Selection procedures in I.T
12	System Analysis and Design	BCA1407C	2019-2020	Software Testing	NIL	Analysis and Design Tools
13	Object Oriented Programming with C++	BCA1408C	2019-2020	Concept of function	NIL	Control Structures, Working with Files
14	Computer Oriented Statistical Methods	BCA1409C	2019-2020	Concept of Regression	NIL	Concept Stratified Sampling, Determination of Median and Mode by Graph
15	Entrepreneurship Development	BCA1412D	2019-2020	Functions, Qualities of successful Entrepreneurship	Project for Retail stores, Hotel, Hospital, Dairy	Role of Entrepreneurship In Economic Development
16	Web Technology	BCA1413D	2019-2020	Introduction, features, steps in web development	NIL	Basic Tags, Server set- up for ASP (PWS/IIS), Events and Event
17	Database Management System	BCA 1414D	2019-2020	Normalization, Relational algebra	NIL	Types of Database System
18	Organizational Behaviour	BCA 1415D	2019-2020	Organizational Values	Organization Culture	Team Building and Effective team works
19	Mathematics Foundation	BCA 1415D	2019-2020	Kinds of Graph	NIL	Matrix Representation of Graph, Venn diagram
20	Cost Accounting	BCA-1419E	2020-2021	Methods of Wages- Time basis, Piece Basis	NIL	Contract costing, service costing
	E-Commerce	BCA-1420E	2020-2021	Hacking and cyber vandalism	NIL	Concept of e-payment, Smart Card, E Wallet, Prepaid, post paid and instant payment system, Electronic funds transfer



22	Computer Network	BCA-1421E	2020-2021	Data link, Network and Transport layer	NIL	LAN, WAN. MAN
23	RDBMS with Oracle	BCA-1422E	2020-2021	Responsibilities of DBA, Correlated queries, Control Structures	NIL	Inner Join, Outer Join, Cross Join and self-Join
24	Visual Programming	BCA-1423E	2020-2021	Boxing and unboxing, pass by value and pass by reference, ASP.NET state management	ADO.NET Architecture	WEB server and WEB browser, HTTP request and response structure
25	Strategic Management	BCA-1426F	2020-2021	BCG Matrix, TOWS Matrix, ANSOFF Matrix	Role of Different Strategists- Contemporary practices of strategic management	SWOC
26	Data Mining and Data Warehousing	BCA-1427F	2020-2021	Basic Data mining Task	NIL	Machine learning, K-means
27	Linux Operating System	BCA-1428F	2020-2021	Concept of Shell Script, running a shell script	NIL	Vi Editor, use of VI
28	Java Programming	BCA-1429F	2020-2021	Multithreading and Exception Handling	NIL	Building applet code, Applet life cycle, Adding applet code to HTML file
29	Fundamental of Computers	BCA 1391 A	2021-2022	Machine Languages, Assembly Languages and High Level	NIL	Binary, Octal and Hexadecimal, Conversion from one base to another



30	Programming in C Paper –I	BCA 1392 A	2021-2022	ALGORITHM: Definition, notations, characteristics of algorithm,	NIL	Conditional statements, String functions
31	Principles of Management	BCA 1393 A	2021-2022	Sources of Recruitment & Scientific Selection Procedure Training & Development	Organizing :- Meaning, definition, Importance, principles of organizing	Leadership, Challenges of Leadership
32	Financial Accounting with Tally	BCA 1394 A	2021-2022	Preparation of final Accounts of Sole Traders & Partnership firms	NIL	Methods of Depreciation: Straight line Methods, Reducing Balance Method, Change in Depreciation Method
33	Basics Web Technology	BCA 1398 B	2021-2022	Basic Tags, Structure, Layout, Web Development Process.	NIL	Applying CSS to HTML tags, technologies which suit for Desktop and Laptop computer screen only.
34	Programming Using C Part-II	BCA 1399 B	2021-2022	User defined functions, File Handling	NIL	Operations on file: getc(), putc(), getw(), putw(), fprintf(), fscanf(), ftell(), fseek(), rewind()
35	Operating System	BCA1400B	2021-2022	Memory Management- Introduction to memory management	NIL	Basic file operations, Dynamic partitioning, Paging, Segmentation
36	Database Management System	BCA 1401 B	2021-2022	Normalization, Relational algebra	NIL	Types of Database System



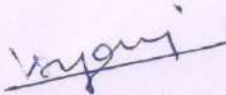
37	Human Resource Management	BCA 1402B	2021-2022	Organizational Values	Organization Culture	Team Building and Effective team works
38	Object Oriented Programming with C++	BCA1405C	2022-2023	Concept of function	NIL	Control Structures, Working with Files
39	Software Engineering	BCA1406C	2022-2023	Structure Chart, Object Oriented Design	Software Development Life Cycle	Software Development Approach
40	Relational Database Management	BCA1407C	2022-2023	Responsibilities of DBA, Correlated queries, Control Structures	NIL	Inner Join, Outer Join, Cross Join and self-Join
41	Entrepreneurship Development	BCA1408C	2022-2023	Functions, Qualities of successful Entrepreneurship	Project for Retail stores, Hotel, Hospital, Dairy	Role of Entrepreneurship In Economic Development
42	Mathematics	BCA1409C	2022-2023	Kinds of Graph	NIL	Matrix Representation of Graph, Venn diagram
43	Data Structure Using C++	BCA1412D	2022-2023	Application of Stack	NIL	Array as ADT, Sorting, Tree Traversal
44	Advance Web Technology	BCA1413D	2022-2023	Java Scripts	NIL	Events in Java script, Event Handling in Java Script
45	Principle of Marketing	BCA1414D	2022-2023	Marketing Information System	Concept & techniques, significance of e-Marketing in 21st Century	7 P's of marketing mix,
46	E-Commerce	BCA1415D	2022-2023	Hacking and cyber vandalism	NIL	Concept of e-payment, Smart Card, E Wallet, Prepaid, post paid and instant payment system, Electronic funds transfer



47	Computer Oriented Statistical Methods	BCA1416D	2022-2023	Concept of Regression	NIL	Concept Stratified Sampling, Determination of Median and Mode by Graph
48	ASP.NET with C#	BCA1419E	2023-2024	Multithreading and Exception Handling	NIL	Building applet code, Applet life cycle, Adding applet code to HTML file
49	Cloud Computing	BCA1420E	2023-2024	Data link, Network and Transport layer	NIL	LAN, WAN. MAN
50	Computer Networks	BCA1421E	2023-2024	Data link, Network and Transport layer, OSI reference Model	NIL	LAN, WAN. MAN, Multiplexing and Switching
51	Elective-I Python Programming	BCA1422E	2023-2024	File I/O, Reading and Writing in Files	NIL	Applications of Pythons, Control Statements
52	Elective-I R-Programming	BCA1422E	2023-2024	Control Statement, Data Visualization	NIL	Importing Built-in function, Basic Operations on data frames
53	Elective-II Digital Marketing	BCA1423E	2023-2024	Digital Marketing Strategy, Affiliate marketing	NIL	Search Marketing, Mobile Marketing, and Social media Marketing.
54	Elective-II Management Information System	BCA1423E	2023-2024	Applications of MIS, DSS	NIL	MIS and Decision making
55	Data Warehousing and Data Mining	BCA1426F	2023-2024	Basic Data mining Task	NIL	Machine learning, K-means
56	Java Programming	BCA1427F	2023-2024	Multithreading and Exception Handling	NIL	AWT, SWING




57	Elective-I Android Programming	BCA1428F	2023-2024	Android Application Framework , Android API level	Basic UI Design	Android Basic Building Blocks
58	Elective-I Internet of Things	BCA1428F	2023-2024	Basic components used in electronic lab, Software's and Library	NIL	Common Features of Microcontroller
59	Elective-II M-Commerce	BCA1429F	2023-2024	Applications of M- Commerce	Role of Mobile advertisement in building a brand	E-Commerce Models
60	Elective-II ERP	BCA1429F	2023-2024	ERP Models	ERP Package	ERP implementations life cycle.


(Mr. V. B. Pujari)

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