

**Shri swami Vivekanand Shikshan Sanstha's**  
**Vivekanand College (An Empowered Autonomous), Kolhapur**  
**Department of BCA**


**Curriculum relevance: Course contents with focus on Employability/Entrepreneurship/Skill development (UG) 2022-23 to 2024-25**

<b>Sr. No</b>	<b>Course Code</b>	<b>Course Titles</b>	<b>Year of Introduction</b>	<b>Employability</b>	<b>Entrepreneurship</b>	<b>Skill Development</b>
1	CCBCA1391A	Fundamentals of Computers	2022-23	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	CCBCA1392A	Programming in C Paper-I	2022-23	ALGORITHM: Definition. Notations, characteristics of algorithm. FLOWCHARTS: Definition, features of flowcharts, symbols	NIL	Conditional statements, String functions
3	CCBCA1393A	Principles of Management	2022-23	Sources of Recruitment & Scientific Selection Procedure Training & Development	Organizing: Meaning definition, Importance. principles of organizing NIL	Leadership, Challenges of Leadership
4	CCBCA 1394	Financial Accounting with Tally	2022-23	Preparation of final Accounts of Sole Traders & Partnership firms	NIL	Methods of Depreciation: Straight line Methods, Reducing Balance Method, Change in Depreciation Method
5	AECCBCA 1395 A	Business Communication	2022-23	Guidelines for Writing Resume: Reason for a	NIL	Employment Communication. Time Management Definition,

				Cover Letter to Apply for a Job-Format of Cover Letter, Job Interview: Job Interview Process; Job Interview Techniques-Manners		environment, Employee setting priorities. Stress Management-overcome of stress in the Office.
6	CCBCA1398B	Basics Web Technology	2022-23	Introduction, features, steps in web development	NIL	Basic Tags, Server set-up for ASP (PWS/IIS), Events and Event
7	CCBCA1399B	Programming in C Paper-II	2022-23	User defined functions, File Handling	NIL	Operations on file: getc(), putc(), getw(). putw(), fprintf(), fscanf(), ftell(), fseek(), rewind()
8)	CCBCA1400B	Operating System	2022-23	Exokernel, Client-Server), Functions, Types of OS (Batch, Multiprogramming, Time Sharing, Real time, Distributed, Personal, Mobile). OS Structure (Monolithic, Layered, Microkernel,	NIL	Process Management- Introduction to Processes, Process Model, Process creation, Process termination, Process hierarchy, Process states.
9	CCBCA1401B	Database Management System	2022-23	File processing File Operations Opening, closing Reading Writing	NIL	Database Designer Application Programmer Sophisticated users End users
10	CCBCA1406C	Human Resource Management	2022-23	Role HRM, Qualities of HR Manager	Virtual Organization	Requirement and Selection Procedure in I.T
11	BCA1405C	Object Oriented Programming with C++	2023-24	Concepts of functions	NIL	Control Structure, working with Files

12	BCA1406C	Software Engineering	2023-24	Structure Chart, Object Oriented Concepts	Software Development Life Cycle	Software Development Approach
13	BCA1407C	RDBMS with Oracle	2023-24	Responsibilities of DBA, Correlated Queries, Control Structure	NIL	Inner Join, Outer Join, Cross Join and Self-join
14	BCA1408C	Entrepreneurship Development	2023-24	Functions, Qualities of Successful Entrepreneurship	Project for retail stores, Hotel, Hospital, dairy	Role of Entrepreneurship In Economic Development
15	BCA1409C	Mathematic Foundation	2023-24	Kinds of Graphs	NIL	Matrix Representation of Graph, Venn diagram
16	BCA1412D	Data Structure Using C++	2023-24	Application of Stack	NIL	Array as ADT, Sorting, Tree Traversal
17	BCA1413D	Advanced Web Technology	2023-24	Java Scripts	NIL	Events in Java Script, Event Handling in java Script
18	BCA1414D	Principle of Marketing	2023-24	Marketing Information System	Concepts and techniques, significance of e-marketing in 21 <sup>st</sup> Century	7 P's of marketing mix
19	BCA1415D	E-Commerce	2023-24	Internet and web in E-Commerce	NIL	Concepts of e-payment, Smart Card, E Wallet, Prepaid, postpaid and instant payment system, Electronic funds transfer
20	BCA1416D	Computer Oriented Statistical Methods	2023-24	Concepts of regression	NIL	Concepts Stratified Sampling, Determination of Median and mode by Graph
21	BCA1419E	ASP.NET with C#	2024-25	Multithreading and Execution Handling	NIL	Building applet code, Applet life cycle, Adding applet code to HTML file
22	BCA1420E	Cloud	2024-25	Data link, Network and	NIL	LAN, MAN, WAN

		Computing		transport layer,		
23	BCA1421E	Computer Network	2024-25	Data link, Network and transport layer, OSI reference Model	NIL	LAN, MAN, WAN Multiplexing and switching
24	BCA 1426F	Data Warehousing and Data Mining	2024-25	Architecture		Data Mining, Algorithm
26	BCA 1428E Elective 1	Android Programming	2024-25	Mobile Applications	Android Development	Android Development, Database

  
 ( Mr. V.B. Pujari )  
**HEAD**  
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