



M. C. E. Society's

Abeda Inamdar Senior College

Of Arts, Science and Commerce, Camp, Pune-1

(Autonomous) Affiliated to Savitribai Phule Pune University

NAAC accredited 'A' Grade

Course Offered as	Value Education Course (VEC) for BBA and B.Com.
Course/ Paper Title	Digital and Technological Solutions (Credit-02)
Course Code	23SBEL32VE
Semester	II
No. of Credits	2
No of Hours	30

Course Objectives

1. To gain familiarity with digital Systems.
2. To Study the Digital and computer arithmetic.
3. To learn basic PC Concept and terminology.
4. To familiarize all functions of the Internal and external components of computer.
5. To familiarize about **Financial Digital Tools**

Course Objectives: On completion of the course, student will be able

1. Student will get familiarize with digital Systems.
2. Students will learn about computer arithmetic.
3. Student study the basic Concept and terminology of PC
4. Student will know working and types of Internal and external peripheral devices of computer.

Unit No.	Title with Contents	No. of Lectures
Unit I	Introduction to Computers System	14
	1.1 Introduction & Evolution of Digital Systems	1
	1.2 Role & Significance of Digital Technology	2
	1.3 Data Representation: Decimal, Binary, Hexadecimal, ASCII code	2
	1.4 Digital Arithmetic: Addition, 1's Compliment, 2's Compliment method	2
	1.5 Information & Communication Technology & Tools.	2
	1.6 Communication Systems: Principles, Model & Transmission Media.	2
	1.7 Types of Communication, wired and wireless communication system	2
	1.8 Computer System : Block Diagram Of Computer & it's working	2
	Processor and its types, Specification parameters of Computers	3
Unit II	Computer Peripherals	12

	2.1 Keyboard, Mouse, Joysticks 2.2 Motherboard :Type, form factor, BUS, IRQ, Chipset, I/O Ports and Connectors, CMOS 2.3 Memory :Types, Hard Disc , CD and DVD, USB ,Memory Modules, Development of RAM, Comparison of RAM, Virtual Memory, 2.4 Monitors: Types and Interfacing Cards, Slots 2.5 Printer : Types ,working and specifications 2.6 Bus Expansion Cards 2.7 Ports and Connectors	2 2 2 2 2 2
Unit-III	Financial Digital Tools	02
	1. Unified Payment Interface, Aadhar Enabled Payment System, USSD, Credit / Debit Cards, e-Wallets,	2

References:

1. Computer Fundamentals by P.K. Sinha &Priti Sinha, 3rd edition, BPB pub.
2. PC Hardware: A Beginner's Guide by RON GILSTE, Osborne/McGraw-Hill, DOI: 10.1036/0072194405
3. <https://www.pcmag.com/encyclopedia/term/memory-module>
4. "E commerce" by Laudon.