Siddharth University Kapilvastu, Siddharth Nagar

B.C.A

MINOR Elective course

Minor syllabus (Computer Application) By Avinash Singh

Unit-1

Introduction: Introduction to computer system, uses, types. Data Representation: Number systems and character representation , binary arithmetic.

UNIT-2

Human Computer Interface: Types of software, Operating system as user interface, utility programs Devices: Input and output devices (with connections and practical demo), keyboard, mouse, joystick, scanner, OCR, OMR, bar code reader, web camera, monitor, printer, plotter.

UNIT -3

Memory: Primary, secondary, auxiliary memory, RAM, ROM, cache memory, hard disks, optical disks Computer Organization and Architecture: C.P.U., registers, system bus, main memory unit, cache memory, Inside a computer, SMPS, Motherboard, Ports and Interfaces, expansion cards, ribbon cables, memory chips, processors.

UNIT -4

Overview of Emerging Technologies: Bluetooth, cloud computing, big data, data mining, mobile computing and embedded systems.