SWAMI VIVEKANANDA SCHOOL OF ENGINEERING & TECHNOLOGY
LESSION PLAN (WINTER 2023)

Discipline- Computer Science & Engineering	Semester- 5th	Faculty Name- Susovan Sarkar
Subject- Computer Hardware & Maintenance	No of days/ per week class alloted-4	Semester from date- 01.08.2023 to 30.11.2023 No of weeks-18

Week	Class day	Theory Topics
AUG 1ST	01.08.2023	Need of Management in Computer Centre
	02.08.2023	Need of Management in Computer Centre
	03.08.2023	Duties and responsibilities of personnel involved
AUG 2ND	07.08.2023	Need of Training of Staff
	08.08.2023	Idea about Various makes of Computers
	09.08.2023	Layouts of computer centre
	10.08.2023	False Roofing, Air Conditioning, Dust Proofing
AUG 3RD	14.08.2023	Power Conditioning equipments like CVT, UPS, Isolation Circuits with Principles of functioning
	16.08.2023	Power Conditioning equipments like CVT, UPS, Isolation Circuits with Principles of functioning
	17.08.2023	Power Conditioning equipments like CVT, UPS, Isolation Circuits with Principles of functioning
AUG 4TH	21.08.2023	Doubt clearing class
	22.08.2023	class test
	23.08.2023	Components and slots (Processor socket/slot, memory sockets, Chip sets, Cache, BIOS, Clock Generator
	24.08.2023	Components and slots (Processor socket/slot, memory sockets, Chip sets, Cache, BIOS, Clock Generator
AUG 5TH	28.08.2023	RTC, I/O Controller, power Connector, Key Board/Mouse Connectors, Jumpers, Pin Connectors
	29.08.2023	RTC, I/O Controller, power Connector, Key Board/Mouse Connectors, Jumpers, Pin Connectors
	30.08.2023	Mother architecture and Block Diagram
	31.08.2023	Processors (Core2 Duo Processor, Quad Core Processor, Core i3,i5,i7 series, AMD A10 series, Xeon Processor
SEP 2ND	04.09.2023	Processors (Core2 Duo Processor, Quad Core Processor, Core i3,i5,i7 series, AMD A10 series, Xeon Processor
	05.09.2023	Chip Sets
	06.09.2023	Bus Standards: PCI, AGP, USB etc.
	07.09.2023	Bus Standards: PCI, AGP, USB etc.
SEP 3RD	11.09.2023	Colour Codes for Devices/ports
	12.09.2023	Doubt clearing class
	13.09.2023	Primary and secondary Memory
	14.09.2023	Memory speed , Access time
SEP 4TH	18.09.2023	Hard Disk, Construction, Working Principles
	20.09.2023	File System, Formatting, Partitioning
	21.09.2023	Removable Storage and Special devices

SEP 5TH	25.09.2023	Special devices and their working principles(CD, DVD, External drives, Memory stick, USB flash drive, Solid state drive
	26.09.2023	Special devices and their working principles(CD, DVD, External drives, Memory stick, USB flash drive, Solid state drive
	27.09.2023	Special devices and their working principles(CD, DVD, External drives, Memory stick, USB flash drive, Solid state drive
	28.09.2023	Key Board Interfacing, USB, Wireless, Types of keys
OCT 1ST	03.10.2023	Keyboard, Matrix, Key Bouncing
	04.10.2023	Printers(Types, operation and Trouble shooting)
	05.10.2023	Scanners(Types, operation and Trouble Shooting)
OCT 2ND	09.10.2023	Doubt clearing class
	10.10.2023	Displays and Graphics Cards
	11.10.2023	LCD,PLASMA,TFT,LED Displays
	12.10.2023	SMPS (Basic Principles and operations, O/P voltage)
OCT 3RD	16.10.2023	BIOS(Functions, setups, types of BIOS)
	17.10.2023	POST(Operation, Faults related to Hardware)
	18.10.2023	Doubt clearing class
	19.10.2023	class test
OCT 5TH	30.10.2023	Assembly of Components of Desktop Computers
	31.10.2023	Configuring Laptops and Power settings
NOV 1ST	01.11.2023	Laptop Components(Adapter , Battery, Basic problems, RAM types
	02.11.2023	CPU types, Laptop Motherboard, block diagram, Laptop Keyboard
NOV 2ND	06.11.2023	Formatting , Partitioning and installation of OS
	07.11.2023	Trouble shooting of Common ly faced problems in Desktops and Laptops
	08.11.2023	Basic Maintenance concepts(Preventive, Corrective, online)
	09.11.2023	Diagnostic programs and tools
NOV 3RD	13.11.2023	Methods of Trouble shooting(symptom observation, analysis,
	14.11.2023	Up gradation of system and application software
	15.11.2023	Virus concepts, Antivirus
	16.11.2023	Assignment
NOV 4TH	20.11.2023	class test
	21.11.2023	Network Interface card
	22.11.2023	Networking interconnecting devices
	23.11.2023	Hub, Switch & Router
NOV 5TH	28.11.2023	Types of Network cable
	29.11.2023	Types of Network connector
	30.11.2023	Doubt clearing class

Total no. of Classes: 63
No. of Theory Classes: 47
No. of Tutorial Classes: 5
No. of Digital Classes: 6
No. of PPT Classes: 5

H.O.D.   DEAN (ACADEMICS)   PRINCIPAL