SWAMI VIVEKANANDA SCHOOL OF ENGINEERING & TECHNOLOGY
LESSION PLAN (WINTER 2022)

Discipline- Computer Science & Engineering	Semester- 5th	Faculty Name- Susovan Sarkar
Subject- Computer Hardware & Maintenance	No of days/ per week class alloted-5	Semester from date- 06.09.2022 to 21.01.2023 No of weeks-20

Week	Class day	Theory Topics
SEP 2ND	06.09.2022	Need of Management in Computer Centre
	07.09.2022	Need of Management in Computer Centre
	08.09.2022	Duties and responsibilities of personnel involved
	09.09.2022	Need of Training of Staff
	10.09.2022	Idea about Various makes of Computers
SEP 3RD	12.09.2022	Layouts of computer centre
	13.09.2022	False Roofing, Air Conditioning, Dust Proofing
	14.09.2022	Power Conditioning equipments like CVT, UPS, Isolation Circuits with Principles of functioning
	15.09.2022	Power Conditioning equipments like CVT, UPS, Isolation Circuits with Principles of functioning
	16.09.2022	Power Conditioning equipments like CVT, UPS, Isolation Circuits with Principles of functioning
SEP 4TH	19.09.2022	Doubt clearing class
	20.09.2022	class test
	21.09.2022	Components and slots (Processor socket/slot, memory sockets, Chip sets, Cache, BIOS, Clock Generator
	24.09.2022	Components and slots (Processor socket/slot, memory sockets, Chip sets, Cache, BIOS, Clock Generator
SEP 5TH	26.09.2022	RTC, I/O Controller, power Connector, Key Board/Mouse Connectors, Jumpers, Pin Connectors
	27.09.2022	RTC, I/O Controller, power Connector, Key Board/Mouse Connectors, Jumpers, Pin Connectors
	28.09.2022	Mother architecture and Block Diagram
	29.09.2022	Mother architecture and Block Diagram
	30.09.2022	Processors (Core2 Duo Processor, Quad Core Processor, Core i3,i5,i7 series, AMD A10 series, Xeon Processor
OCT 1ST	06.10.2022	Processors (Core2 Duo Processor, Quad Core Processor, Core i3,i5,i7 series, AMD A10 series, Xeon Processor
	07.10.2022	Chip Sets
OCT 2ND	10.10.2022	Bus Standards: PCI, AGP, USB etc.
	11.10.2022	Bus Standards: PCI, AGP, USB etc.
	12.10.2022	Colour Codes for Devices/ports
	13.10.2022	Doubt clearing class
	14.10.2022	Primary and secondary Memory
OCT 3RD	17.10.2022	Memory speed , Access time
	18.10.2022	Hard Disk, Construction, Working Principles
	19.10.2022	Hard Disk, Construction, Working Principles
	20.10.2022	File System, Formatting, Partitioning
	21.10.2022	Removable Storage and Special devices
OCT 4TH	24.10.2022	Special devices and their working principles(CD, DVD, External drives, Memory stick, USB flash drive, Solid state drive
	26.10.2022	Special devices and their working principles(CD, DVD, External drives, Memory stick, USB flash drive, Solid state drive
	27.10.2022	Doubt clearing class

	28.10.2022	Special devices and their working principles(CD, DVD, External drives, Memory stick, USB flash drive, Solid state drive
NOV 1ST	01.11.2022	Key Board Interfacing, USB, Wireless, Types of keys
	02.11.2022	Keyboard, Matrix, Key Bouncing
	03.11.2022	Printers(Types, operation and Trouble shooting)
	04.11.2022	Printers(Types, operation and Trouble shooting)
NOV 2ND	07.11.2022	Scanners(Types, operation and Trouble Shooting)
	08.11.2022	Doubt clearing class
	09.11.2022	Displays and Graphics Cards
	10.11.2022	Displays and Graphics Cards
	11.11.2022	LCD,PLASMA,TFT,LED Displays
NOV 3RD	14.11.2022	LCD,PLASMA,TFT,LED Displays
	15.11.2022	SMPS (Basic Principles and operations, O/P voltage)
	.16.11.2022	SMPS (Basic Principles and operations, O/P voltage
	17.11.2022	BIOS(Functions, setups, types of BIOS)
	18.11.2022	BIOS(Functions, setups, types of BIOS)
NOV 4TH	21.11.2022	POST(Operation, Faults related to Hardware)
	22.11.2022	Doubt clearing class
	23.11.2022	class test
	24.11.2022	Assembly of Components of Desktop Computers
	25.11.2022	Assembly of Components of Desktop Computers
NOV 5TH	29.11.2022	Configuring Laptops and Power settings
	30..11.2022	Configuring Laptops and Power settings
DEC 1ST	01.12.2022	Laptop Components(Adapter , Battery, Basic problems, RAM types
	02.12.2022	Laptop Components(Adapter , Battery, Basic problems, RAM types
DEC 2ND	05.12.2022	CPU types, Laptop Motherboard, block diagram, Laptop Keyboard
	07.12.2022	CPU types, Laptop Motherboard, block diagram, Laptop Keyboard
	09.12.2022	Formatting , Partitioning and installation of OS
DEC 3RD	12.12.2022	Formatting , Partitioning and installation of OS
	14.12.2022	Formatting , Partitioning and installation of OS
	15.12.2022	Trouble shooting of Common ly faced problems in Desktops and Laptops
	16.12.2022	Trouble shooting of Common ly faced problems in Desktops and Laptops
DEC 4TH	19.12.2022	Basic Maintenance concepts(Preventive, Corrective, online)
	20.12.2022	Basic Maintenance concepts(Preventive, Corrective, online)
	21.12.2022	Diagnostic programs and tools
	22.12.2022	Diagnostic programs and tools
JAN 2ND	02.01.2023	Methods of Trouble shooting(symptom observation, analysis,
	03.01.2023	Methods of Trouble shooting(symptom observation, analysis,
	04.01.2023	Up gradation of system and application software
	05.01.2023	Up gradation of system and application software
JAN 3RD	09.01.2023	Virus concepts, Antivirus
	10.01.2023	Assignment
	11.01.2023	class test
	12.01.2023	Network Interface card
JAN 4TH	16.01.2023	Networking interconnecting devices
	17.01.2023	Hub, Switch & Router
	18.01.2023	Types of Network cable
	19.01.2023	Types of Network connector

Total no. of Classes: 81
No. of Theory Classes: 65
No. of Tutorial Classes: 5
No. of Digital Classes: 6
No. of PPT Classes: 5

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Computer Science & Engineering
S.V.S.E.T., Madanpur

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