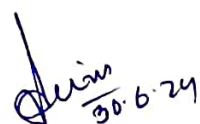
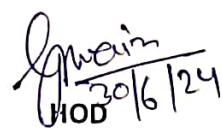


## Academic lesson plan of Winter 2024

Department: CSE	Semester: 5TH	Name of the Teaching faculty: Nalini Kanta Mohapatra
Subject: CHM	No. of days/per week class allotted. 4p/week	Semester from: 01/07/2024
		No. of weeks: 15
		Topics to be covered:
WEEK	DAY	TOPIC
1st week	1st	Computer system management
	2nd	Need of management in computer center
	3rd	Types of jobs carried out in computer in an organization
	4th	Duties and responsibilities of personal involved
2nd week	1st	Need of training of staff
	2nd	Idea about various makes of computers
	3rd	Site preparation and installation
	4th	
3rd week	1st	Layout of computer center
	2nd	False roofing, air conditioning, dust proofing
	3rd	Power conditioning equipment like CVT, UPS, isolation circuits with principles of functioning.
	4th	
4th week	1st	Components and slots
	2nd	
	3rd	Mother architecture and block diagram
	4th	
5th week	1st	Processors
	2nd	Chipsets
	3rd	Bus standards: PCI, AGP, USB etc
	4th	Colour codes for devices/ ports
6th week	1st	Discuss memory and i/o devices
	2nd	Primary and secondary memory
	3rd	Memory speed, access time
	4th	hard disk, construction, working principles
7th week	1st	File system, formatting, partitioning
	2nd	
	3rd	Removable storage and special devices and their working principles
	4th	
8th week	1st	Keyboard, mouse interfacing
	2nd	
	3rd	Printers (types, operation & trouble shooting)
	4th	Scanner (types, operation & trouble shooting)
9th week	1st	Displays and Graphics cards
	2nd	LCD, PLASMA
	3rd	TFT, LED Displays
	4th	BIOS (functions, setups, types of BIOS)
10th week	1st	SMPS (Basic principles and operations, o/p voltage)
	2nd	
	3rd	POST (operation, faults related to hardware)
	4th	

11th week	1st	Assembly of components of desktop computers
	2nd	
	3rd	configuring laptops and power setting.
	4th	
12th week	1st	Laptop components (Adapter, Battery, Basic problems, RAM types, CPU types)
	2nd	
	3rd	Laptop components (laptop motherboard, block diagram, laptop keyboard)
	4th	
13th week	1st	Formatting, partitioning and installation of O.S
	2nd	Trouble shooting of commonly faced problems in desktops and laptops
	3rd	Basic maintenance concepts
	4th	diagnostics programs & tools
14th week	1st	Methods of trouble shooting
	2nd	Upgradation of system and application s/w
	3rd	Various concepts, antivirus
	4th	
15th week	1st	Network interfacing card
	2nd	Networking devices such as hub, switch, router
	3rd	types of network cable , types of connector
	4th	Revision

  
 Signature of Faculty

  
 Sr. Lecture, CSE