

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: <u>Computer Science Engineering</u>		Semester: <u>5th sem</u>	Name of the Teaching Faculty: <u>Tapaswini Raut</u>
Subject: <u>Computer Hardware & Maintenance</u>		No of Days/per week class allotted: <u>4</u>	Semester from Date: <u>1.7.24</u> to Date: <u>18.11.24</u> No of Weeks: <u>15</u>
Week	Class Day	Theory/Practical Topics	
1st	1st	Chap 1 Need of Management in computer centre	
	2nd	Types of jobs carried out on computers in an organization	
	3rd	continuing	
	4th	Duties & responsibilities of personnel involved	
	5th		
2nd	1st	Need of Training of staff	
	2nd	continuing Need of Training of staff	
	3rd	Idea about various makes of computers	
	4th	continuing Idea about various makes of computers	
	5th		
3rd	1st	Chap 2 Layout of computer centre	
	2nd	continuing	
	3rd	False Roofing	
	4th	for conditioning	
	5th		
4th	1st	Dust Proofing	
	2nd	power conditioning equipments CVT	
	3rd	UPS	
	4th	Isolation circuits with principles of functioning	
	5th		
5th	1st	Chap 3 components and slots of MotherBoard	
	2nd	continuing components & slots	
	3rd	continuing components & slots	
	4th	Motherboard Architecture & Block diagram	
	5th		

Tapaswini Raut
Sign of Faculty

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Principal

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Week	Class Day	Theory/Practical Topics	
1st	1st	Processors	
	2nd	continuing Processors	
	3rd	continuing Processors	
	4th	chip sets	
	5th		
2nd	1st	Bus standards	
	2nd	continuing Bus standards	
	3rd	colour codes for devices & ports	
	4th	continuing colour codes	
	5th		
3rd	1st	Chap 4 Primary & Secondary Memory	
	2nd	continuing Primary & Secondary Memory	
	3rd	Memory Speed, Access time	
	4th	Hard disk, construction, working Principles	
	5th	File system, Formatting, Partitioning	
4th	1st	Removable storage and special devices and their working principles	
	2nd	continuing Removable storage	
	3rd	continuing Removable storage	
	4th	Keyboard Interfacing	
	5th		
5th	1st	continuing Keyboard Interfacing	
	2nd	Mouse Interfacing	
	3rd	Printers types, operations & trouble shooting	
	4th	continuing Printers	
	5th	Scanners types, operation & trouble shooting	
6th	1st	continuing scanners	
	2nd		
	3rd		
	4th		
	5th		

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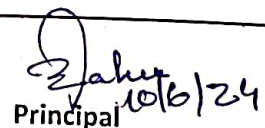
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Discipline: <u>Computer Science Engineering</u>		Semester: <u>5th sem</u>	Name of the Teaching Faculty: <u>Tapaswini Rout</u>
Subject: <u>Computer Hardware & Maintenance</u>		No of Days/per week class allotted: <u>4</u>	Semester from Date: <u>1.7.24</u> to Date: <u>18.11.24</u>
Week	Class Day	Theory/Practical Topics	
11st	1st	chaps Displays & Graphics Cards	
	2nd	LCD, PLASMA, TFT, LED Displays	
	3rd	SMPS	
	4th	BIOS	
	5th	1	
12nd	1st	POST	
	2nd	chaps Assembly of components of Desktop computers	
	3rd	Configuring Laptops and Power settings	
	4th	Laptop components	
	5th		
13rd	1st	Formatting, Partitioning & Installation of OS	
	2nd	Trouble shooting on Desktop and Laptop	
	3rd	Basic Maintenance concepts	
	4th	Diagnostic programs & tools	
	5th		
14th	1st	Methods of trouble shooting	
	2nd	Upgradation of system and application software	
	3rd	Virus concepts, Antivirus	
	4th	chaps7 Networking Interface card	
	5th		
15th	1st	Networking Interconnecting devices hubs, switches, Router	
	2nd	Types of Network cable	
	3rd	connecting Network cable, Types of Network connectors	
	4th	connecting types of network connectors	
	5th		

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