UTKAL GOURAV MADHUSUDAN INSTITUTE OF TECHNOLOGY, RAYAGADA
Department of Mathematics & Science

Academic Lesson Plan for 1st Semester - 2023 (Winter)
Subject: COMPUTER APPLICATION-LAB (Pr.1b)
Name of the teaching faculty: Dr. Sisira Kumar Kapat, Lecturer (Computer Application)

Semester from date: 16/08/2023	No. of periods per week: 4 No. of weeks:15 Total periods: 60	Sessional: 50 Marks End Semester Exam.: NA Total Marks: 50 Marks

WEEK	CLASS DAY	THEORY/PRACTICAL TOPICS
1ST	1ST	BASIC COMPUTER OPERATION, Identification of different components of Computer
	2ND	Identification of different components of Computer
	3RD	Switch on and Booting Process Shut down, Restart of computer
	4TH	Switch on and Booting Process Shut down, Restart of computer
2ND	1ST	Overview of personal computer system, to make familiar with different devices.
	2ND	Study of device and power supply form factor of Personal Computer System
	3RD	Study of device and power supply form factor of Personal Computer System
	4TH	Identification of various Mother Board components
3RD	1ST	Identification of different ports, type of connectors, and their purpose
	2ND	Identification of different ports, type of connectors, and their purpose
	3RD	Identification of different ports, type of connectors, and their purpose
	4TH	Cooling System of Processor and Case
4TH	1ST	Cooling System of Processor and Case
	2ND	Identification and Study of ROM, RAM, Adapter Cards, Expansion Slots
	3RD	SATA connectors Study of Adapters and Converter
	4TH	SATA connectors Study of Adapters and Converter
5TH	1ST	COMPUTER LAB SAFETY AND STUDY OF LAB TOOLS Study of various types of LAB Safety measures
	2ND	General Safety, Electrical Safety, Fire safety
	3RD	Analysis of various Power Fluctuation Types (Blackout, Brownout, Noise, Spike, Power surge),
	4TH	Power Protection Devices (Surge suppressor, UPS, Standby power supply) Procedures for proper disposal or recycling of hazardous computer components (Batteries, Monitors, Toner Kits, Cartridges, Chemical Solvents and Aerosol Cans)
6TH	1ST	Study of General Lab Tools (ESD tools, Hand tools, cable tools, Cleaning tools, Diagnostic tools), Disk Management Tools
	2ND	Study of General Lab Tools (ESD tools, Hand tools, cable tools, Cleaning tools, Diagnostic tools), Disk Management Tools
	3RD	OPERATINGSYSTEM
	4TH	Basic DOS commands (CLS, DIR, DATE, TIME, VERSION, MD, CD, RD, DEL, COPY, REN, USE OF WILD CARDS, PATH)
7TH	1ST	Basic DOS commands (CLS, DIR, DATE, TIME, VERSION, MD, CD, RD, DEL, COPY, REN, USE OF WILD CARDS, PATH)
	2ND	Basic DOS commands (CLS, DIR, DATE, TIME, VERSION, MD, CD, RD, DEL, COPY, REN, USE OF WILD CARDS, PATH)

	3RD	Basic DOS commands (CLS, DIR, DATE, TIME, VERSION, MD, CD, RD, DEL, COPY, REN, USE OF WILD CARDS, PATH)
	4TH	Basic DOS commands (CLS, DIR, DATE, TIME, VERSION, MD, CD, RD, DEL, COPY, REN, USE OF WILD CARDS, PATH)
8TH	1ST	Basic Windows OS operations, MOUSE OPERATIONS
	2ND	Utilities and Accessories
	3RD	Installation and configuration of OS
	4TH	WORKING WITH MS-OFFICE
9TH	1ST	Basic operations of Word Processing Package. (MS-Word)
	2ND	Basic operations of Word Processing Package. (MS-Word)
	3RD	Basic operations of Word Processing Package. (MS-Word)
	4TH	Basic operations of Word Processing Package. (MS-Word)
10TH	1ST	Basic operations of Electronic Spread Sheet Package (MS-Excel)
	2ND	Basic operations of Electronic Spread Sheet Package. (MS-Excel)
	3RD	Basic operations of Presentation Package (MS- Powerpoint)
	4TH	Basic operations of Presentation Package (MS- Power point)
11TH	1ST	Basic operations of Presentation Package (MS- Powerpoint)
	2ND	(Create, Edit, Format, Save, Print/Viewin the above three packages)
	3RD	(Create, Edit, Format, Save, Print/Viewin the above three packages)
	4TH	WORKING WITH INTERNET Getting acquainted with Internet connection,
12TH	1ST	Getting acquainted with Internet connection,
	2ND	Browser, website URL, webpage, http, WWW, net browsing
	3RD	Creating E-Mail Id, sending and receiving E-mail Chatting
	4TH	Write a Program in C to find the greatest number among three numbers
13TH	1ST	Write a Program in C to find the average of n numbers by using for loop.
	2ND	Write a program in C to determine whether a number is prime or not?
	3RD	Write a program in C to check whether a given number is palindrome or not?
	4TH	Write a program in C to compute the sine series
14TH	1ST	Write a program in C to accept row wise and column wise element in a two-dimensional array and print them.
	2ND	Write a program in C to find the vowels in a given string.
	3RD	Write a program in C to find the factorial of a number, by using recursion.
	4TH	Write a program in C to find the factorial of a number, by using recursion.
15TH	1ST	Write a program in C to find the sum of Fibonacci series, by using function.
	2ND	Write a program in C to find the sum of Fibonacci series, by using function.
	3RD	Write a program in C to accept a number from keyboard and print it in reverse order of entry, by using function.
	4TH	Write a program in C to accept a number from keyboard and print it in reverse order of entry, by using function.