

Discipline: <b>Civil &amp; Mechanical</b>	Semester: <b>First</b>	Name of the Teaching Faculty: <b>K.K. Chapeyar, I/c Sr. Lecturer(CSE) &amp; Shankarsan Tudu, Lab Assistant(CSE)</b>
Subject: <b>Pr.1b Computer Application Lab</b>	No. of days class allotted/week: <b>04</b>	Semester from date: <b>25/10/2022 to 31/01/2023</b> No. of weeks: <b>15</b>
<b>Week</b>	<b>Class Day</b>	<b>Practical</b>
<b>1<sup>ST</sup></b>	<b>1<sup>st</sup></b>	Identification of different components of Computer
	<b>2<sup>nd</sup></b>	Identification of different components of Computer
	<b>3<sup>rd</sup></b>	Switch on and Booting Process
	<b>4<sup>th</sup></b>	Shut down and Restart of Computer
<b>2<sup>ND</sup></b>	<b>1<sup>st</sup></b>	Study of device and power supply form factor of Personal Computer System
	<b>2<sup>nd</sup></b>	Identification of various Mother Board components
	<b>3<sup>rd</sup></b>	Study of various Mother board components
	<b>4<sup>th</sup></b>	Identification of different Ports, Types of Connectors and their purpose
<b>3<sup>RD</sup></b>	<b>1<sup>st</sup></b>	Study of different Ports, Types of Connectors and their purpose
	<b>2<sup>nd</sup></b>	Cooling System of Processor and Case Identification
	<b>3<sup>rd</sup></b>	Study of Cooling System of Processor and Case
	<b>4<sup>th</sup></b>	Identification of ROM, RAM and Adaptor Cards
<b>4<sup>TH</sup></b>	<b>1<sup>st</sup></b>	Study of ROM, RAM and Adaptor Cards
	<b>2<sup>nd</sup></b>	Study of ROM, RAM and Adaptor Cards
	<b>3<sup>rd</sup></b>	Identification of Expansion Slots, SATA Connectors
	<b>4<sup>th</sup></b>	Study of Adaptor and Converters
<b>5<sup>TH</sup></b>	<b>1<sup>st</sup></b>	Study of various types of LAB Safety measures (General Safety, Electrical Safety, Fire safety)
	<b>2<sup>nd</sup></b>	Analysis of various Power Fluctuation Types (Blackout, Brownout, Noise, Spike, Power Surchage)
	<b>3<sup>rd</sup></b>	Power Protection Devices (Surge suppressor, UPS, Standby power supply)
	<b>4<sup>th</sup></b>	Procedures for proper disposal or recycling of hazardous computer components
<b>6<sup>TH</sup></b>	<b>1<sup>st</sup></b>	Study of General Lab Tools (ESD tools, Hand tools, cable tools, Cleaning tools, Diagnostic tool)
	<b>2<sup>nd</sup></b>	Disk Management Tools
	<b>3<sup>rd</sup></b>	Basic DOS Commands: CLS, DIR, DATE, TIME, VERSION
	<b>4<sup>th</sup></b>	Basic DOS Commands: MD, CD, RD, DEL
<b>7<sup>TH</sup></b>	<b>1<sup>st</sup></b>	Basic DOS Commands: COPY, REN
	<b>2<sup>nd</sup></b>	Use of Wild Card and Path
	<b>3<sup>rd</sup></b>	Basic Windows OS Operation, Mouse Operations
	<b>4<sup>th</sup></b>	Utilities and Accessories-Paint, Notepad, word, calc, snipping tool
<b>8<sup>TH</sup></b>	<b>1<sup>st</sup></b>	Utilities and Accessories- word, calc, snipping tool
	<b>2<sup>nd</sup></b>	Installation and Configuration of OS.
	<b>3<sup>rd</sup></b>	Basic operations of Word Processing Package. (MS-Word)
	<b>4<sup>th</sup></b>	Basic operations of Word Processing Package. (MS-Word)
	<b>1<sup>st</sup></b>	Basic operations of Word Processing Package. (MS-Word)
	<b>2<sup>nd</sup></b>	Basic operations of Word Processing Package. (MS-Word)

9 <sup>TH</sup>	3 <sup>rd</sup>	Basic operations of Electronic Spread Sheet Package. (MS-Excel)
	4 <sup>th</sup>	Basic operations of Electronic Spread Sheet Package. (MS-Excel)
10 <sup>th</sup>	1 <sup>st</sup>	Basic operations of Electronic Spread Sheet Package. (MS-Excel)
	2 <sup>nd</sup>	Basic operations of Electronic Spread Sheet Package. (MS-Excel)
	3 <sup>rd</sup>	Basic operations of Presentation Package (MS- Power point)
	4 <sup>th</sup>	Basic operations of Presentation Package (MS- Power point)
11 <sup>th</sup>	1 <sup>st</sup>	Basic operations of Presentation Package (MS- Power point)
	2 <sup>nd</sup>	Basic operations of Presentation Package (MS- Power point)
	3 <sup>rd</sup>	Getting acquainted with Internet connection, Browser, website
	4 <sup>th</sup>	URL, webpage, http, WWW, net browsing
12 <sup>th</sup>	1 <sup>st</sup>	Creating E-Mail Id, sending and receiving E-mail Chatting
	2 <sup>nd</sup>	Creating E-Mail Id, sending and receiving E-mail Chatting
	3 <sup>rd</sup>	Write a Program in C to find the greatest number among three numbers.
	4 <sup>th</sup>	Write a Program in C to find the average of n numbers by using for loop.
13 <sup>th</sup>	1 <sup>st</sup>	Write a program in C to determine whether a number is prime or not?
	2 <sup>nd</sup>	Write a program in C to check whether a given number is palindrome or not?
	3 <sup>rd</sup>	Write a program in C to compute the sine series.
	4 <sup>th</sup>	Write a program in C to accept row wise and column wise element in a two dimensional array and print them.
14 <sup>th</sup>	1 <sup>st</sup>	Write a program in C to find the vowels in a given string.
	2 <sup>nd</sup>	Write a program in C to find the factorial of a number, by using recursion.
	3 <sup>rd</sup>	Write a program in C to find the sum of Fibonacci series, by using function.
	4 <sup>th</sup>	Write a Program in C to enter 10 random number in an array and print them
15 <sup>th</sup>	1 <sup>st</sup>	Write a Program in C to find the sum of 10 random numbers.
	2 <sup>nd</sup>	Write a Program in C to Swap two numbers by using call by value method.
	3 <sup>rd</sup>	Write a Program in C to Swap two numbers by using call by reference method.
	4 <sup>th</sup>	Write a Program in C to find the smallest number among three numbers