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| Discipline: Civil & Mechanical | Semester: First | Name of the Teaching Faculty: Er.Asish Mohapatra, Manas Ranjan Mohanty(CSE). |
| Subject: Pr.1b Computer Application Lab | No. of days class allotted/week: 04 | Semester from date: 25/10/2022 to 31/01/2023 , 23/03/2023 to 24.06.2023 , No. of weeks: 15 |
| Week | Class Day | Practical |
| 1ST | 1st | Identification of different components of Computer |
| | 2nd | Identification of different components of Computer |
| | 3rd | Switch on and Booting Process |
| | 4th | Shut down and Restart of Computer |
| 2ND | 1st | Study of device and power supply form factor of Personal Computer System |
| | 2nd | Identification of various Mother Board components |
| | 3rd | Study of various Mother board components |
| | 4th | Identification of different Ports, Types of Connectors and their purpose |
| 3RD | 1st | Study of different Ports, Types of Connectors and their purpose |
| | 2nd | Cooling System of Processor and Case Identification |
| | 3rd | Study of Cooling System of Processor and Case |
| | 4th | Identification of ROM, RAM and Adaptor Cards |
| 4TH | 1st | Study of ROM, RAM and Adaptor Cards |
| | 2nd | Study of ROM, RAM and Adaptor Cards |
| | 3rd | Identification of Expansion Slots, SATA Connectors |
| | 4th | Study of Adaptor and Converters |
| 5TH | 1st | Study of various types of LAB Safety measures (General Safety, Electrical Safety, Fire safety) |
| | 2nd | Analysis of various Power Fluctuation Types (Blackout, Brownout, Noise, Spike, Power Surchace) |
| | 3rd | Power Protection Devices (Surge suppressor, UPS, Standby power supply) |
| | 4th | Procedures for proper disposal or recycling of hazardous computer components |
| 6TH | 1st | Study of General Lab Tools (ESD tools, Hand tools, cable tools, Cleaning tools, Diagnostic tool) |
| | 2nd | Disk Management Tools |
| | 3rd | Basic DOS Commands: CLS, DIR, DATE, TIME, VERSION |
| | 4th | Basic DOS Commands: MD, CD, RD, DEL |
| 7TH | 1st | Basic DOS Commands: COPY, REN |
| | 2nd | Use of Wild Card and Path |
| | 3rd | Basic Windows OS Operation, Mouse Operations |
| | 4th | Utilities and Accessories-Paint, Notepad, word, calc, snipping tool |
| 8TH | 1st | Utilities and Accessories- word, calc, snipping tool |
| | 2nd | Installation and Configuration of OS. |
| | 3rd | Basic operations of Word Processing Package. (MS-Word) |
| | 4th | Basic operations of Word Processing Package. (MS-Word) |
| | 1st | Basic operations of Word Processing Package. (MS-Word) |
| | 2nd | Basic operations of Word Processing Package. (MS-Word) |

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