

LESSON PLAN

Discipline : Mechanical Engg.	Semester : 1st	Name of the Teaching Faculty : Shri Asit Ranjan Prusty
Subject : Computer Application	No. of days/Per weeks Class Alloted	Semester : 1st No. of Weeks : 15
Weeks	Weeks : 4	Theory
3rd Aug 2023	1st	Introduction to Computer
	2nd	Evolution of Computer, Generation Of Computer
	3rd	Classification Of Computer
	4th	Basic Organisation of Computer With Functional Block Diagram
4th Aug 2023	1st	Input Devices , CPU , Output Devices, Memory Classification
	2nd	Software concept, System software, Application software
	3rd	Overview of Operating System Objectives
	4th	Functions of O.S , Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS
1st Sept 2023	1st	Features of DOS, Windows and UNIX
	2nd	Programming Languages Compiler, interpreter Computer Virus
	3rd	Different Types of computer virus
	4th	Detection and prevention of Virus
2nd Sept 2023	1st	Application of computers in different Domain
	2nd	Networking concept, Protocol, Connecting Media, Data Transmission Mode
	3rd	Network Topologies, Types of Network
	4th	Networking Devices like Hub, Repeater, Switch, Bridge, Router, Gateway & NIC
3rd Sept 2023	1st	Internet Services like E-Mail, WWW, FTP, Chatting
	2nd	Internet Conferencing.
	3rd	Electronic Newspaper & Online Shopping
	4th	Different types of Internet connectivity and ISP
4th Sept 2023	1st	Different types of Internet connectivity and ISP
	2nd	Concept of File and Folder
	3rd	File Access and Storage methods. Sequential, Direct, ISAM
	4th	File Access and Storage methods. Sequential, Direct, ISAM
1st Oct 2023	1st	Data Capture, Data storage
	2nd	Data Processing and Retrieval
	3rd	Algorithm, Pseudo code and Flowchart Generation of Programming Languages
	4th	Algorithm, Pseudo code and Flowchart Generation of Programming Languages
2nd Oct 2023	1st	Structured Programming Language
	2nd	Examples of Problem solving through Flowchart
	3rd	Examples of Problem solving through Flowchart
	4th	Constants, Variables and Data types in C
3rd Oct 2023	1st	Constants, Variables and Data types in C
	2nd	Managing Input and Output operations.
	3rd	Operators, Expressions, Type conversion & Typecasting
	4th	Managing Input and Output operations.
1st Nov 2023	1st	Operators, Expressions, Type conversion & Typecasting
	2nd	Decision Control and Looping Statements
	3rd	(If, If-else, If-else-if, Switch, While)
	4th	Do while,
2nd Nov 2023	1st	For, Break, Continue & Goto
	2nd	Programming Assignments using the above features
	3rd	Programming Assignments using the above features
	4th	Programming Assignments using the above features
3rd Nov 2023	1st	Programming Assignments using the above features
	2nd	Programming Assignments using the above features
	3rd	Functions and Passing Parameters to the Function (Call by Value)
	4th	Call By Reference)
4th Nov 2023	1st	Scope of Variables and Storage Classes
	2nd	Recursion Function and Types of Recursion
	3rd	One Dimensional Array and Multidimensional Array
	4th	String Operations and pointers, Structure and Union Concept Only
1st Dec 2023	1st	Revision
	2nd	Sample Paper Practice
	3rd	Sample Paper Practice
	4th	Sample Paper Practice
2nd Dec 2023	1st	Sample Paper Practice
	2nd	Sample Paper Practice
	3rd	Sample Paper Practice
	4th	Sample Paper Practice

APRUSTY
14/8/23

LESSON PLAN

Discipline : Mechanical	Semester : 1st	Name of the Teachnig Faculty :Shri Asit Ranjan Prusty	
Subject : Computer Application	No.of days/Per weeks Class Alloted Weeks	Semester :1st	No.of Weeks : 15
Weeks	Class day	Practical	
3rd Aug 2023	1st	Identification of different components of Computer Switch on and Booting	
	2nd	Study of device and power supply form factor of Personal Computer System Identification of various Mother Board components Identification	
	3rd	Identification of different ports	
	4th	type of connectors, and their purpose	
4th Aug 2023	1st	Case Identification and Study of ROM	
	2nd	RAM, Adapter Cards	
	3rd	Expansion Slots,SATA connectors	
	4th	Study of Adapters and Converters	
1st Sept 2023	1st	Study of various types of LAB Safety measures (General Safety, Electrical Safety,	
	2nd	Analysis of various Power Fluctuation Types (Blackout, Brownout, Noise, Spike,	
	3rd	Power Protection Devices (Surge suppressor, UPS, Standby power supply)	
	4th	Procedures for proper disposal or recycling of hazardous computer components	
2nd Sept 2023	1st	Toner Kits, Cartridges	
	2nd	Chemical Solvents and Aerosol Cans)	
	3rd	ESD tools, Hand tools,	
	4th	cable tools,	
3rd Sept 2023	1st	Cleaning tools, Diagnostic tools),	
	2nd	Disk Management Tools	
	3rd	Basic DOS commands (CLS, DIR, DATE, TIME, VERSION	
	4th	MD, CD, RD,	
4th Sept 2023	1st	DEL, COPYREN,	
	2nd	USE OF WILD CARDS, PATH),	
	3rd	Basic Windows OS operations, MOUSE OPERATIONS, Utilities and Accessories,	
	4th	Basic operations of Word Processing Package. (MS-Word)	
1st Oct 2023	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)	
2nd Oct 2023	1st	Basic operations of Word Processing Package. (MS-Word)	
	2nd	Basic operations of Electronic Spread Sheet Package. (MS-Excel),	
	3rd	Basic operations of Electronic Spread Sheet Package. (MS-Excel),	
	4th	Basic operations of Electronic Spread Sheet Package. (MS-Excel),	
3rd Oct 2023	1st	Basic operations of Electronic Spread Sheet Package. (MS-Excel),	
	2nd	Basic operations of Electronic Spread Sheet Package. (MS-Excel),	
	3rd	Basic operations of Electronic Spread Sheet Package. (MS-Excel),	
	4th	Basic operations of Presentation Package (MS- Power point) (Create, Edit, Format, Save, Print/View in the above three packages)	
1st Nov 2023	1st	Basic operations of Presentation Package (MS- Power point) (Create, Edit, Format, Save, Print/View in the above three packages)	
	2nd	Basic operations of Presentation Package (MS- Power point) (Create, Edit, Format, Save, Print/View in the above three packages)	
	3rd	Basic operations of Presentation Package (MS- Power point) (Create, Edit, Format, Save, Print/View in the above three packages)	
	4th	Basic operations of Presentation Package (MS- Power point) (Create, Edit, Format, Save, Print/View in the above three packages)	
2nd Nov 2023	1st	Getting acquainted with Internet connection, Browser, website	

	2nd	URL, webpage, http, WWW, net browsing
	3rd	URL, webpage, http, WWW, net browsing
	4th	Creating E-Mail Id, sending and receiving E-mail Chatting
3rd Nov 2023	1st	1. Write a Program in C to find the greatest number among three numbers.
	2nd	2. Write a Program in C to find the average of n numbers by using for loop
	3rd	3. Write a program in C to determine whether a number is prime or not?
	4th	4. Write a program in C to check whether a given number is palindrome or not?
4th Nov 2023	1st	5. Write a program in C to compute the sine series?
	2nd	6. Write a program in C to accept row wise and column wise element in a two
	3rd	7. Write a program in C to find the vowels in a given string.
	4th	8. Write a program in C to find the factorial of a number, by using recursion
1st Dec 2023	1st	9. Write a program in C to find the sum of Fibonacci series, by using function.
	2nd	9. Write a program in C to find the sum of Fibonacci series, by using function.
	3rd	10. Write a program in C to accept a number from keyboard and print it in reverse order of entry?
	4th	10. Write a program in C to accept a number from keyboard and print it in reverse order of entry,?

Arushi
14/8/23