ACADEMIC SESSION : 2023-24 SUMMER
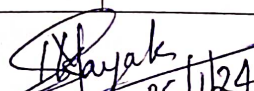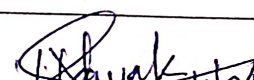
Discipline : ELECTRICAL & METALLURGY	Semester : 2nd	Name of the Teaching Faculty : Deepak Kumar Barda
Subject : Computer Application	No. of days / week class allotted	Semester From date: 1ST : 29/01/2024 to 14/05/2024
Week	Class Day	Nos. of Weeks per semester : 15
		Theory Topics
UNIT-1(05 PERIOD) 1ST	1st	Introduction to Computer, Evolution of Computer
	2nd	Generation of Computer
	3rd	Classification of Computer
	4th	Basic organization of Computer, Input devices
UNIT-2(07 PERIOD) 2ND	1st	Computer Memory and Classification of memory
	2nd	Software concept-System Software, Application Software
	3rd	Overview of Operating System Objective and function of OS
	4th	Types of Operating System
3RD	1st	Feature of DOS, Windows and Linux
	2nd	Programming Languages
	3rd	Compiler and Interpreter
	4th	Computer Virus
UNIT-3(08 PERIOD) 4TH	1st	Networking Concept, Protocol
	2nd	Connecting Media
	3rd	Data Transmission mode
	4th	Network Topology
5TH	1st	Type of Network
	2nd	Networking Devices
	3rd	Internet Services
	4th	Different Type of Internet Connecting
UNIT-4(05 PERIOD) 6TH	1st	Concept of File and Folder
	2nd	File access and storage methods
	3rd	Data Capture
	4th	Data Storage
UNIT-5(05 PERIOD) 7TH	1st	Data Processing and Retrieval
	2nd	Algorithm,
	3rd	Pseudo code and Flowchart
	4th	Generation of Programming Languages

UNIT-6(15 PERIOD) 8TH	1st	Structured Programming Language
	2nd	Examples of Problem solving through Flowchart
	3rd	Introduction to C
	4th	Types of C
9TH	1st	C Program structure
	2nd	Preprocessor
	3rd	Character set
	4th	C-Tokens
10TH	1st	Keywords and Identifiers
	2nd	Constants
	3rd	Variable
	4th	Data Type in C
11TH	1st	Managing input output operators
	2nd	operators
	3rd	Expressions
	4th	Type conversion in expression
UNIT-7(15 PERIOD) 12th	1st	Decision control and Looping Statements
	2nd	What is a Function, Declaration and Defining a Function
	3rd	Function Prototype, Accessing a Function
	4th	Passing argument to Function
13th	1st	Default arguments
	2nd	Constant argument(a)Call by Value (b)Call by Reference
	3rd	Function Signature
	4th	Calling Function with array, using of array in function
14th	1st	Passing one dimensional array to Function Passing two dimensional array to Function
	2nd	Feature of Library Function, mathematical function
	3rd	Scope of variable and Storage class
	4th	Recursion Function
15th	1st	One Dimensional array and multidimensional array
	2nd	String operations
	3rd	Pointer, Pointer expression and pointer arithmetic
	4th	Structure and Union

Deepak kuma Bal
25.01.2024
Prepared by
   Deepak Kumar Barda
Lect(Computer Application)
      GP Sonepur

Nayak 25/1/24
Head of the Department
(Math & Science Dept)
      GP Sonepur

Nayak 25/1/24
Academic co-ordinator
      GP Sonepur