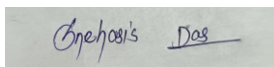# UTKAL INSTITUTE OF ENGINEERING & TECHNOLOGY
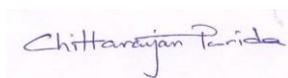
DISCIPLINE: ALL BRANCH	SEMESTER: 2ND SEM		NAME OF THE TEACHING FACULTY: MISS. SUPRITI NAYAK	
SUBJECT: **COMPUTER APPLICATION**	No of Days/Per week class allotted: 4 Class P/W**(60)**		Semester From Date:29/01/2024	
			To Date:14/05/2024	
			No. Of Weeks: **15**	

WEEK	CLASS DAY	THEORY TOPICS	REMARKS	
			Date	Dean/Principal
1st	1st	COMPUTER ORGANISATION		
	2nd	Introduction to Computer Evolution of Computers Generation of Computers		
	3rd	Classification of Computers		
	4th	Basic Organisation of Computer (Functional Block diagram) Input Devices		
2nd	1st	CPU & Output Devices. Computer Memory and Classification of Memory		
	2nd	Software concept, System software, Application software		
	3rd	Overview of Operating System Objectives and Functions of O.S		
	4th	Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS Features of DOS, Windows and UNIX		
3rd	1st	Programming Languages Compiler, interpreter Computer Virus		
	2nd	Different Types of computer virus		
	3rd	Detection and prevention of Virus		
	4th	Application of computers in different Domain		
4th	1st	Networking concept, Protocol, Connecting Media		
	2nd	Date Transmission mode Network Topologies, Types of Network		
	3rd	Networking Devices like Hub, Repeater		
	4th	Switch, Bridge, Router, Gateway		
5th	1st	NIC Internet Services like E-Mail, WWW, FTP, Chatting, Internet Conferencing		
	2nd	Electronic Newspaper & Online Shopping		
	3rd	Different types of Internet connectivity and ISP		
	4th	DOUBT CLEAR CLASS		
6th	1st	Concept of File and Folder		
	2nd	File Access and Storage methods		

6	3rd	Sequential, Direct		
	4th	ISAM Data Capture, Data storage		
7th	1st	Data Processing and Retrieval		
	2nd	PROBLEM SOLVING METHODOLOGY Algorithm		
	3rd	Pseudo code and Flowchart Generation of Programming Languages Structured Programming Language		
	4th	Pseudo code and Flowchart Generation of Programming Languages Structured Programming Language		
8th	1st	Examples of Problem solving through Flowchart		
	2nd	Assignment		
	3rd	OVERVIEW OF C PROGRAMMING LANGUAGE Constants		
	4th	Variables and Data types in C Managing Input and Output operations		
9th	1st	Operators, Expressions		
	2nd	Type conversion & Typecasting		
	3rd	Assignment		
	4th	DOUBT CLEAR CLASS		
10th	1st	Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Dowhile, For, Break, Continue & Goto)		
	2nd	Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Dowhile, For, Break, Continue & Goto)		
	3rd	DOUBT CLEAR CLASS		
	4th	Programming Assignments using the above features.		
11th	1st	Programming Assignments using the above features.		
	2nd	Assignment		
	3rd	DOUBT CLEAR CLASS		
	4th	DOUBT CLEAR CLASS		
12th	1st	Assignment		
	2nd	ADVANCED FEATURES OF C		
	3rd	Functions and Passing Parameters to the Function (Call by Value and Call by Reference)		
	4th	Scope of Variables and Storage Classes		
13th	1st	SAMPLE PAPER QUESTION DISCUSSION		
	2nd	Recursion Function and Types of Recursion		
	3rd	Recursion Function and Types of Recursion		
	4th	One Dimensional Array and Multidimensional Array		
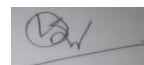
14th	1st	One Dimensional Array and Multidimensional Array		
	2nd	String Operations and Pointers		
	3rd	DOUBT CLEAR CLASS		
	4th	Pointer Expression and Pointer Arithmetic Programming Assignments using the above features		
15th	1st	Pointer Expression and Pointer Arithmetic Programming Assignments using the above features		
	2nd	Structure and Union (Only concepts, No Programming)		
	3rd	Structure and Union (Only concepts, No Programming)		
	4th	DOUBT CLEAR CLASS		

HOD   DEAN   PRINCIPAL