Lesson Plan

Subject: - Computer Application   code: - TH-1b.   Name of faculty: - Manas Ranjan Dash

Semester: - 2nd Class allotted: - 4p/week   Branch: -Mechanical & Metallurgy.

Weeks	Date/Period	From Date:- 29/01/2024 To 14/05/2024 Theory/Practical-Topic/Lession	Teaching Aid
1	29/01/2024 To 03/02/2024	**1. Computer Organisation** - Introduction of computer, Evolution of computer. - Generation of computer. - Classification of computer.	WhiteBoard Marker
2	05/02/2024 To 10/02/2024	- Basic Organisation of computer (Functional Block Diagram) Input device, CPU & Output devices. - Computer memory & Classification of memory. **2. Computer Software** - Software concept, System & Application software.	WhiteBoard Marker
3	12/02/2024 To 17/02/2024	- Overview of Operating System objectives & functions of O.S. - Types of O.S, Batch processing, Multiprogramming, Time sharing O.S. - Features of DOS, Window & Unix.	WhiteBoard Marker
4	19/02/2024 To 24/02/2024	- Programming languages Compiler, Interpreter. - Computer Virus. Types of Virus, Detection and prevention. - Application of Computer in various Domains.	WhiteBoard Marker
5	26/02/2024 To 02/03/2024	**3. Computer Network & Internet** - Network Concept, protocol, connecting media. Data transmission mode . - Network topologies & Types of Network. - Networking devices like Hub, Repeater, switch, bridge, Router, Getway & NIC.	Smart board
6	04/03/2024 To 09/03/2024	- Internet services like E-mail, www, FTP, chatting, Internet, Conferencing, Electronic Newspaper & online Shopping. - Different types of Internet connectivity & ISP.	Smart board
7	11/03/2024 To 16/03/2024	**File management and Data processing** - Concept of File and Folder. - File Access and Storage methods. - Sequential, Direct, ISAM.	WhiteBoard Marker

8	18/03/2024 To 23/03/2024	- Data capture, Data Storage. - Data processing and Retrieval. **Problem Solving Methodology** - Algorithm, Pseudo code and Flowchart. - Generation of Programming Languages.	WhiteBoard Marker
9	27/03/2024 To 30/03/2024	- Structured Programming Language. - Examples of problem solving through Flowchart. **Overview of C Programming Language** -Constants, Variables and Data Types in C. - Managing Input and Output operations.	WhiteBoard Marker
10	02/04/2024 To 06/04/2024	- Operators, Expressions, - Type conversion and Typecasting. - Decision Control and Looping Statements (If, if-else, if-else-if, Switch, While, do-while, For, Break, Continue & Goto).	WhiteBoard Marker Smart board
11	08/04/2024 To 13/04/2024	- Programming Assignment using the above features.	WhiteBoard Marker Smart board
12	15/04/2024 To 20/04/2024	**Advanced Features Of C** - Functions and Passing Parameters to the Function (Call of Value and Call by Reference). - Scope of Variables and Storage Classes.	WhiteBoard Marker
13	22/04/2024 To 27/04/2024	- Recursion and Type of Recursion. - One Dimensional Array and Multidimensional Array.	WhiteBoard Marker
14	29/04/2024 To 04/05/2024	- String Operations. - Pointers and Pointer Expression.	WhiteBoard Marker
15	06/05/2024 To 11/05/2024	- Pointer Arithmetic Programming Assignments using the above features. - Structure and Union (only concepts, No Programming).	WhiteBoard Marker Smart board
16	13/05/2024 To 14/05/2024	**Revision**	WhiteBoard Marker

Signature of HOD

Signature of faculty