

Lesson Plan

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

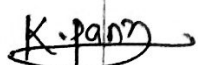
Semester: - 1st

Class allotted: - 4p/week

Branch: - Civil

Weeks	Date/Period	From Date:- 16/08/2023 To 11/12/2023	Teaching Aid
		<u>Theory/Practical-Topic/Lesson</u>	
1	16/08/2023 To 19/08/2023	<u>1. Computer Organisation</u> - Introduction of computer, Evolution of computer. - Generation of computer. - Classification of computer.	WhiteBoard Marker
2	21/08/2023 To 26/08/2023	- Basic Organisation of computer (Functional Block Diagram) Input device, CPU & Output devices. - Computer memory & Classification of memory. <u>2. Computer Software</u> - Software concept, System & Application software.	WhiteBoard Marker
3	28/08/2023 To 02/09/2023	- 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	04/09/2023 To 09/09/2023	- Programming languages Compiler, Interpreter. - Computer Virus. Types of Virus, Detection and prevention. - Application of Computer in various Domains.	WhiteBoard Marker
5	11/09/2023 To 16/09/2023	<u>3. Computer Network & Internet</u> - 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	18/09/2023 To 23/09/2023	- Internet services like E-mail, www, FTP, chatting, Internet, Conferencing, Electronic Newspaper & online Shopping. - Different types of Internet connectivity & ISP.	Smart board
7	25/09/2023 To 30/09/2023	<u>File management and Data processing</u> - Concept of File and Folder. - File Access and Storage methods. - Sequential, Direct, ISAM.	WhiteBoard Marker

8	03/10/2023 To 07/10/2023	- Data capture, Data Storage. - Data processing and Retrieval. <u>Problem Solving Methodology</u> - Algorithm, Pseudo code and Flowchart. - Generation of Programming Languages.	WhiteBoard Marker
9	09/10/2023 To 14/10/2023	- Structured Programming Language. - Examples of problem solving through Flowchart. <u>Overview of C Programming Language</u> - Constants, Variables and Data Types in C. - Managing Input and Output operations.	WhiteBoard Marker
10	16/10/2023 To 20/10/2023	- 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	30/10/2023 To 04/11/2023	- Programming Assignment using the above features.	WhiteBoard Marker Smart board
12	06/11/2023 To 11/11/2023	<u>Advanced Features Of C</u> - Functions and Passing Parameters to the Function (Call of Value and Call by Reference). - Scope of Variables and Storage Classes.	WhiteBoard Marker
13	13/11/2023 To 18/11/2023	- Recursion and Type of Recursion. - One Dimensional Array and Multidimensional Array.	WhiteBoard Marker
14	20/11/2023 To 25/11/2023	- String Operations. - Pointers and Pointer Expression.	WhiteBoard Marker
15	28/11/2023 To 02/12/2023	- Pointer Arithmetic Programming Assignments using the above features. - Structure and Union (only concepts, No Programming).	WhiteBoard Marker Smart board
16	04/12/2023 To 09/12/2023	Revision	WhiteBoard Marker
17	11/12/2023	Revision	WhiteBoard Marker



Signature of HOD



Signature of faculty