

ACADEMIC CURRICULAM PLAN

LESSON PLAN 2023(Winter)

| BRANCH-ELECTRICAL | Semester : 1st | Name of the Teaching faculty: Mrs SWARNALATA SAHOO |
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| Subject:- COMPUTER APPLICATION | No. of days/per week class Alloted: 04 | Semester From : 16TH AUGUST 2023 No. of Weeks : 15 |
| Topics to be covered : | | |
| 1ST WEEK | 1 st | Introduction to Computer Evolution of Computers Generation of Computers Classification of Computers |
| | 2 nd | Basic Organization of Computer (Functional Block diagram) |
| | 3 rd | Input Devices, CPU & Output Devices. |
| | 4 th | |
| 2ND WEEK | 1 st | Computer Memory and Classification of Memory |
| | 2 nd | Software concept, System software, Application software |
| | 3 rd | Overview of Operating System Objectives and Functions of O.S |
| | 4 th | Question Answer Discussion |
| 3RD WEEK | 1 st | Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS Features of DOS, Windows and UNIX |
| | 2 nd | Programming Languages Compiler, |
| | 3 rd | interpreter Computer Virus, Different Types of computer virus, Detection and prevention of Virus |
| | 4 th | Application of computers in different Domain |
| 4TH WEEK | 1 st | Networking concept, Protocol, Connecting Media, |
| | 2 nd | Date Transmission mode |
| | 3 rd | Network Topologies, |
| | 4 th | Types of Network, Networking Devices like Hub, Repeater, Switch, Bridge, Router, Gateway & NIC |
| 5TH WEEK | 1 st | Internet Services like E-Mail, WWW, FTP, Chatting, Internet Conferencing |
| | 2 nd | Electronic Newspaper & Online Shopping |
| | 3 rd | Different types of Internet connectivity and ISP |
| | 4 th | Question Answer Discussion |
| 6TH WEEK | 1 st | Concept of File and Folder |
| | 2 nd | File Access and Storage methods |
| | 3 rd | Sequential, Direct, ISAM Data Capture |
| | 4 th | Data storage |
| 7TH WEEK | 1 st | Data Processing and Retrieval |
| | 2 nd | Question Answer Discussion |
| | 3 rd | Algorithm, |
| | 4 th | Pseudo code and Flowchart Generation of Programming Languages |

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| 8TH WEEK | 1 st | Structured Programming Language |
| | 2 nd | |
| | 3 rd | Examples of Problem solving through Flowchart |
| | 4 th | Examples of Problem solving through Flowchart |
| 9TH WEEK | 1 st | Constants, Variables and Data types in C Managing Input and Output operations |
| | 2 nd | |
| | 3 rd | Data types in C Managing Input and Output operations |
| | 4 th | Operators, Expressions |
| 10TH WEEK | 1 st | Expressions, Type conversion & Typecasting |
| | 2 nd | Typecasting |
| | 3 rd | Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Do- while, For, Break, Continue & Goto) |
| | 4 th | Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Do- while, For, Break, Continue & Goto) |
| 11TH WEEK | 1 st | While, Do- while, For, Break, Continue & Goto |
| | 2 nd | Programming Assignments using the above features |
| | 3 rd | Programming Assignments using the above features |
| | 4 th | Question & Answer Discussion |
| 12TH WEEK | 1 st | Advance Features of C |
| | 2 nd | Functions In C |
| | 3 rd | Functions In C |
| | 4 th | Functions In C |
| 13TH WEEK | 1 st | Passing Parameters to the Function (Call by Value and Call by Reference) |
| | 2 nd | Passing Parameters to the Function (Call by Value and Call by Reference) |
| | 3 rd | Passing Parameters to the Function (Call by Value and Call by Reference) |
| | 4 th | Doubt Clearing Class |
| 14TH WEEK | 1 st | Scope of Variables and Storage Classes |
| | 2 nd | Recursion Function |
| | 3 rd | Types of Recursion |
| | 4 th | One Dimensional Array |
| 15TH WEEK | 1 st | Multidimensional Array |
| | 2 nd | String Operations |
| | 3 rd | Pointers, Pointer Expression and Pointer Arithmetic Programming Assignments |
| | 4 th | REVISION |

J. Lahoo
16/08/23

Signature of Faculty

Sina
16/09/23

Signature of HOD