

## LESSON PLAN SUMMER(2023-24)(Electrical(Sec-C1)(Electrical(Sec-C2)(ELECTRONICS (D))

DISCIPLINE: Computer Application	SEMESTER: 2ND	NAME OF THE TEACHING FACULTY: SAMARJIT NAYAK	SRI
Subject: Computer Application	No. of Days/per week class allotted: 04classes	Semester From date:29.01.2024 to Date:14.05.2024	
		No. of Weeks: 16	
Week	Class Day	Theory Topics	No of periods allotted
1st	1ST	CHAPTER -1: COMPUTER ORGANISATION	1
	2ND	1.1 Introduction to Computer, 1.2 Evolution of Computers	1
	3RD	1.3 Generation of Computers,	1
	4TH	1.4 Classification of Computers	1
2ND	1ST	1.5 Basic Organization of Computer (Functional Block diagram), Input Devices, CPU & Output Devices	1
	2ND	1.6 Computer Memory and Classification of Memory	1
	3RD	CHAPTER – 2: COMPUTER SOFTWARE	1
	4TH	2.1 Software concept, 2.1.2 Application software	1
3RD	1ST	2.2 Overview of Operating System	1
	2ND	2.2.1 Objectives and Functions of O.S	1
	3RD	2.2.2 Types of Operating System: Batch Processing, Multiprogramming & Time Sharing OS	1
	4TH	2.2.3 Features of DOS, Windows and UNIX	1
4TH	1ST	2.3 Programming Languages ,2.4 Compiler, Interpreter	1
	2ND	2.5 Computer Virus, Different Types of computer virus	1
	3RD	2.5.1 Detection and prevention of Virus	1
	4TH	2.6 Application of computers in different Domain	1
5TH	1ST	CHAPTER –3: COMPUTER NETWORK AND INTERNET	1
	2ND	3.1 Networking concept, Protocol, Connecting Media, Data Transmission mode	1
	3RD	3.2 Network Topologies, Types of Network	1
	4TH	3.2.1 Network Topologies	1
6TH	1ST	3.3 Networking Devices like Hub, Repeater, Switch, Bridge, Router, Gateway & NIC	1
	2ND	3.5 Different types of Internet connectivity and ISP	1
7TH	1ST	CHAPTER – 4: FILE MANAGEMENT AND DATA PROCESSING	1
	2ND	4.1 Concept of File and Folder Concept	1
	3RD	4.2 File Access and Storage methods. Sequential, Direct, ISAM	1
	4TH	4.3 Data Capture, Data storage, Data Processing and Retrieval	1
8TH	1ST	CHAPTER –5: PROBLEM SOLVING METHODOLOGY	1
	2ND	5.1 Algorithm, Pseudo code and Flowchart	1
	3RD	5.2 Generation of Programming Languages	1

	4TH	5.3 Structured Programming Language	1
9TH	1ST	5.4 Examples of Problem solving through Flowchart	1
	2ND	CHAPTER – 6: OVERVIEW OF C PROGRAMMING LANGUAGE	1
10TH	1ST	6.1 Constants, Variables and Data types in C	1
	2ND	6.2 Managing Input and Output operations.	1
	3RD	Practice related Programs.	1
	4TH	6.3 Operators, Expressions, Type conversion & Typecasting	1
11TH	1ST	Practice related Programs.	1
	2ND	6.4 Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Do- while, For, Break, Continue & Goto)	1
	3RD	Practice related Programs.	1
12TH	1ST	Practice related Programs.	1
	2ND	6.5 Programming Assignments using the above features.	1
	3RD	CHAPTER –7: ADVANCED FEATURES OF C	1
	4TH	7.1 Functions and Passing Parameters to the Function (Call by Value and Call by Reference)	1
13TH	1ST	Practice related Programs.	1
	2ND	Practice related Programs.	1
	3RD	7.2 Scope of Variables and Storage Classes, Recursion, Function and Types of Recursion	1
	4TH	Practice related Programs.	1
14TH	1ST	Practice related Programs.	
	2ND	7.3 One Dimensional Array and Multidimensional Array, String Operations and Pointers	1
	3RD	Practice related Programs.	
	4TH	Practice related Programs.	1
15TH	1ST	7.4 Pointer Expression and Pointer Arithmetic Programming, Assignments using the above features.	1
	2ND	Practice related Programs.	
	3RD	Practice related Programs.	1
	4TH	7.5 Structure and Union (Only concepts, No Programming)	1
16TH	1ST	RIVISION	1



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