LESSON PLAN SUMMER(2022-23)ELECTRICAL(SEC-C1 & C2)AND ELECTRONICS (SEC-D)

DISCIPLINE: Computer Application	**SEMESTER**: 2nd	**NAME OF THE TEACHING FACULTY:** **Sri Rabindra Kumar Rout**	
Subject: Computer Application	**No. of Days/per week class allotted: 04classes**	**Semester From date:20.03.2023 to Date:27.06.2023**	
		No. of Weeks: 15	
Week	**Class Day**	**Theory Topics**	**No of periods allotted**
1st	1st	CHAPTER -1: COMPUTER ORGANISATION	1
	2nd	1.1 Introduction to Computer	1
	3rd	1.2 Evolution of Computers	1
	4th	1.3 Generation of Computers	1
2nd	1st	1.4 Classification of Computers	1
	2nd	1.5 Basic Organization of Computer (Functional Block diagram), Input Devices, CPU & Output Devices	1
	3rd	1.6 Computer Memory and Classification of Memory	1
	4th	CHAPTER – 2: COMPUTER SOFTWARE	1
3rd	1st	2.1 Software concept	1
	2nd	2.1.1 System software	1
	3rd	2.1.2 Application software	1
	4th	2.2 Overview of Operating System	1
4th	1st	2.2.1 Objectives and Functions of O.S	1
	2nd	2.2.2 Types of Operating System: Batch Processing, Multiprogramming &Time Sharing OS	1
	3rd	2.2.3 Features of DOS, Windows and UNIX	1
	4th	2.3 Programming Languages	1
5th	1st	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
6th	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
7th	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
	3rd	CHAPTER – 4: FILE MANAGEMENT AND DATA PROCESSING	1
	4th	4.1 Concept of File and Folder Concept	1
8th	1st	4.2 File Access and Storage methods. Sequential, Direct, ISAM	1
	2nd	4.3 Data Capture, Data storage, Data Processing and Retrieval	1
	3rd	CHAPTER –5: PROBLEM SOLVING METHODOLOGY	1
	4th	5.1 Algorithm, Pseudo code and Flowchart	1

9th	1st	5.2 Generation of Programming Languages	1
	2nd	5.3 Structured Programming Language	1
	3rd	5.4 Examples of Problem solving through Flowchart	1
	4th	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	Practice related Programs.	1
11th	1st	6.3 Operators, Expressions, Type conversion & Typecasting	1
	2nd	Practice related Programs.	1
	3rd	6.4 Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Do- while, For, Break, Continue & Goto)	1
	4th	Practice related Programs.	1
12th	1st	Practice related Programs.	1
	2nd	CHAPTER –7: ADVANCED FEATURES OF C	1
	3rd	7.1 Functions and Passing Parameters to the Function (Call by Value and Call by Reference)	1
	4th	Practice related Programs.	1
13th	1st	Practice related Programs.	1
	2nd	7.2 Scope of Variables and Storage Classes, Recursion, Function and Types of Recursion	1
	3rd	Practice related Programs.	1
	4th	7.3 One Dimensional Array and Multidimensional Array, String Operations and Pointers	1
14th	1st	Practice related Programs.	1
	2nd	Practice related Programs.	1
	3rd	7.4 Pointer Expression and Pointer Arithmetic Programming, Assignments using the above features.	1
	4th	Practice related Programs.	1
15th	1st	Practice related Programs.	1
	2nd	7.5 Structure and Union (Only concepts, No Programming)	1