

KIITPOLYTECHNIC,BHUBANESWAR

LESSONPLAN Session(2023-2024)

Discipline: Computer Science and Engineering	Semester: 2nd,S/2024	Name of the faculty: Swasthee Priya Mallick Email: mallick.swasthee@gmail.com
Subject: Computer Application, Theory-1b	No. of Days/week: 04	StartDate: 29/01/2024 End Date:

Week	ClassDay	TheoryTopics
1 st	1 st	1.IntroductiontoComputerOrganisation
	2 nd	IntroductiontoComputerEvolutionofComputersGeneration ofComputers.
	3 rd	ClassificationofComputers
	4 th	BasicOrganizationofComputer(FunctionalBlockdiagram) InputDevices
2 nd	1 st	CPU&OutputDevices.
	2 nd	ComputerMemoryandClassificationofMemory
	3 rd	Revision
	4 th	Questionanswerdiscussion
3 rd	1 st	2.IntroductiontoComputerSoftware
	2 nd	Softwareconcept,Systemsoftware,Applicationsoftware
	3 rd	OverviewofOperatingSystemObjectivesandFunctionsofO.S
	4 th	TypesofOperatingSystem:BatchProcessing, Multiprogramming,TimeSharingOS
4 th	1 st	FeaturesofDOS,WindowsandUNIX
	2 nd	ProgrammingLanguages
	3 rd	CompilerInterpreterComputerVirus
	4 th	DifferentTypesofcomputervirus
5 th	1 st	DetectionandpreventionofVirus
	2 nd	ApplicationofcomputersindifferentDomain
	3 rd	Revision
	4 th	3.IntroductiontoComputerNetwork&Internet
6 th	1 st	Networkingconcept,Protocol,ConnectingMedia,Date Transmissionmode
	2 nd	NetworkTopologies,TypesofNetworks
	3 rd	NetworkingDeviceslikeHub,Repeater,Switch,Bridge, Router,Gateway& NIC
	4 th	InternetServiceslikeE-Mail,WWW,FTP,Chatting,Internet Conferencing,

7 th	1 st	Electronic Newspaper & Online Shopping
	2 nd	Different types of Internet connectivity and ISP
	3 rd	Revision
	4 th	Quiz-1
8 th	1 st	4. Introduction to File Management & Data Processing
	2 nd	Concept of File and Folder
	3 rd	File Access and Storage methods.
	4 th	Sequential, Direct, ISAM
9 th	1 st	Data Capture, Data storage
	2 nd	Data Processing and Retrieval
	3 rd	Doubt Clearing Session
	4 th	Revision
10 th	1 st	5. Introduction to Problem Solving Methodology
	2 nd	Algorithm, Pseudocode and Flowchart Generation of Programming Languages
	3 rd	Structured Programming Language
	4 th	Examples of Problem solving through Flowchart
11 th	1 st	Continuing Problem-solving flowchart
	2 nd	Revision
	3 rd	6. Overview of C Programming Language
	4 th	Constants, Variables and Data types in C Managing Input and Output operations.
12 th	1 st	Operators, Expressions, Type conversion & Type casting
	2 nd	Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Do while,
	3 rd	For, Break, Continue & Goto)
	4 th	Programming Assignments using the above features.
13 th	1 st	Revision
	2 nd	Quiz-2
	3 rd	7. Advanced Features of C
	4 th	Functions and Passing Parameters to the Function (Call by Value and Call by
14 th	1 st	Reference) Scope of Variables and Storage Classes
	2 nd	Recursion Function and Types of Recursions
	3 rd	One Dimensional Array and Multidimensional Array
	4 th	String Operations and Pointers
15 th	1 st	Pointer Expression and Pointer Arithmetic Programming Assignments using the above
	2 nd	Features. Structure and Union (Only concepts, No Programming)
	3 rd	Doubt Clearing Session
	4 th	Revision