

Discipline: Math & Science	Semester : 1ST Sem: All	Name of the Teaching Faculty: DR. ANITARANI BRAHMA			
Subject: COMPUTER APPLICATION	No. of Days/week Class Allotted: 60	No of weeks: 15			
week	Class Day	Theory Topics	Teaching Methodology	Course Outcome	Learning Resources
1 st	1 st	Basic Organisation of Computer (Functional Block diagram) Input Devices, CPU & Output Devices.	Chalk & Board	CO1	ODSKill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	2 nd	Generation of Computers	PPT	CO1	ODSKill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	3 rd	Classification of Computers	PPT	CO1	ODSKill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	4 th	Evolution of Computers	PPT	CO1	ODSKill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
2 nd	1 st	Computer Memory and Classification of Memory	Chalk & Board, PPT	CO1	ODSKill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf

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	2 nd	Software concept, System software, Application software Overview of Operating System	Chalk & Board	CO2	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	3 rd	Objectives and Functions of O.S. ,	Chalk & Board	CO2	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	4 th	Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS	PPT	CO2	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
3 rd	1 st	Features of DOS, Windows and UNIX	PPT	CO2	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	2 nd	Programming Languages Compiler, interpreter	Chalk & Board	CO2	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	3 rd	Computer Virus, Different Types of computer virus Detection and prevention of Virus	PPT	CO2	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	4 th	Application of computers in different Domain	PPT	CO2	ODSkill app, https://sctevtodisha.nic.in/wp-

					content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
4 th	1 st	Networking concept, Protocol, Data Transmission mode	Chalk & Board	CO3	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	2 nd	Connecting Media	PPT	CO3	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	3 rd	Network Topologies: concept, Mesh& star topology: advantages, disadvantages	Chalk & Board PPT	CO3	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	4 th	Ring, bus and tree topology: advantages, disadvantages	Chalk & Board PPT	CO3	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
5 th	1 st	Types of Network : LAN,MAN,WAN,PAN	Chalk & Board	CO3	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	2 nd	Networking Devices like Hub, Repeater, Switch, Bridge,	PPT	CO3	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	3 rd	Other Networking Devices like Router, Gateway & NIC.	Chalk & Board	CO3	ODSkill app, https://sctevtodisha.nic.in/wp-

		Internet Services like E-Mail, WWW, FTP			content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	4 th	Internet Services like Chatting, Internet Conferencing, Electronic Newspaper & Online Shopping Different types of Internet connectivity and IS	PPT	CO3	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
6 th	1 st	FILE MANAGEMENT AND DATA PROCESSING Concept of File and Folder, File Storage.	Chalk & Board	CO2	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	2 nd	File Access methods. Sequential, Direct, ISAM	Chalk & Board	CO2	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	3 rd	Data Capture, Data storage, Data Processing and Retrieval	Chalk & Board	CO2	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	4 th	PROBLEM SOLVING METHODOLOGY: Algorithm, Pseudo code and Flowchart	Chalk & Board	CO4	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
7 th	1 st	Examples of Problem solving through Algorithm, Flowchart	Chalk & Board	CO4	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	2 nd	Examples of Problem solving through Algorithm & Flowchart	Chalk & Board	CO4	ODSkill app, https://sctevtodisha.nic.in/wp-

				content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf	
	3 rd	Examples of Problem solving through Algorithm & Flowchart	Chalk & Board	CO4	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	4 th	Examples of Problem solving through Algorithm & Flowchart	Chalk & Board	CO4	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
8 th	1 st	Generation of Programming Languages, Structured Programming Language	Chalk & Board	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	2 nd	OVERVIEW OF C PROGRAMMING LANGUAGE Character set, Keywords in C, first C program, header file	Chalk & Board	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	3 rd	Constants, Variables, classification of Data types in C	Chalk & Board	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	4 th	Basic Data types: int, float, char	Chalk & Board	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
9 th	1 st	Managing Input and Output operations.	Chalk & Board	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-

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	2 nd	Operators, Expressions, types of operators: arithmetic, assignment with examples	Chalk & Board	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	3 rd	logical, relational, conditional with examples,	PPT	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	4 th	increment & decrement operator	PPT	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
10 th	1 st	bitwise operator, Type conversion & Typecasting	PPT	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	2 nd	Decision Control Statements (If, If-else)	CHALK & BOARD	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	3 rd	Nested if else and else if ladder statement with programs	PPT	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	4 th	Programming Assignments using the above features.		CO5	

11 th	1 st	Switch statements with programs	PPT	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	2 nd	Looping Statements (While) with Programming examples	CHALK & BOARD	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	3 rd	Do while and for statement with Programming examples	CHALK & BOARD	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	4 th	Break, Continue & goto statements Programming Assignments using the above features.	CHALK & BOARD	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
12 th	1 st	One Dimensional Array concept: declaration, initialization, memory representation diagram	CHALK & BOARD	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	2 nd	Programs using 1d Array, Multidimensional Array concept ,declaration, initialization	CHALK & BOARD	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	3 rd	String Operations, string handling functions	CHALK & BOARD	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf

	4 th	Pointers: Pointer Expression and Pointer Arithmetic Programming Assignments using the above features.	CHALK & BOARD	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
13 th	1 st	Functions: definition, parts of function, syntax with programming examples	PPT	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	2 nd	Programming Assignments using function.	CHALK & BOARD	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	3 rd	Functions and Passing Parameters to the Function (Call by Value and Call by Reference)	CHALK & BOARD	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	4 th	Scope of Variables and features. Storage Classes	CHALK & BOARD	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
14 th	1 st	Recursion Function and Types of Recursion	CHALK & BOARD	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf
	2 nd	Structure and Union (Only concepts)	PPT	CO5	ODSkill app, https://sctevtodisha.nic.in/wp-content/uploads/2021/03/Computer-Application-1st-yr-LM.pdf

	3 rd	Programming Assignments	CHALK & BOARD		
	4 th	Programming Assignments	CHALK & BOARD		
15 th	1 st	Revision of Chapters(1-4)	CHALK & BOARD		
	2 nd	Revision of Chapters(5-7)	CHALK & BOARD		
	3 rd	Discussion of Previous year Questions and Answers	PPT		
	4 th	Discussion of Probable Questions and Answers	PPT		