

<b>Discipline:</b> Civil	<b>Semester:</b> First(1 <sup>st</sup> )	<b>Name of the Faculty:</b> Er A. Das
<b>Subject:</b> Computer Application	<b>No. of days/week class allotted:</b> Five(5)	<b>Semester from Date:</b> 25 .10.22 to <b>Date:</b> 31.01.23 <b>No. of Weeks:</b> 15
<b>WEEK</b>	<b>CLASS DAY</b>	<b>THEORY TOPICS</b>
1 <sup>st</sup>	1 <sup>st</sup>	Introduction to Computer
	2 <sup>nd</sup>	Evolution of Computers
	3 <sup>rd</sup>	Cont.....
	4 <sup>th</sup>	Generation of Computers
	5 <sup>th</sup>	Cont....
2 <sup>nd</sup>	1 <sup>st</sup>	Classification of Computers
	2 <sup>nd</sup>	Cont.....
	3 <sup>rd</sup>	Basic Organization of Computer (Functional Block diagram)
	4 <sup>th</sup>	Input Devices, CPU & Output Devices.
	5 <sup>th</sup>	Computer Memory and Classification of Memory
3 <sup>rd</sup>	1 <sup>st</sup>	<b>Review Class</b>
	2 <sup>nd</sup>	Introduction of Software Concept
	3 <sup>rd</sup>	System software, Application software
	4 <sup>th</sup>	Overview of Operating System
	5 <sup>th</sup>	Objectives and Functions of O.S
4 <sup>th</sup>	1 <sup>st</sup>	Types of Operating System: Batch Processing,
	2 <sup>nd</sup>	Multiprogramming, Time Sharing OS
	3 <sup>rd</sup>	Features of DOS, Windows and UNIX
	4 <sup>th</sup>	<b>Monthly Test</b>
	5 <sup>th</sup>	Programming Languages Compiler, interpreter
	1 <sup>st</sup>	Computer Virus
	2 <sup>nd</sup>	Different Types of computer virus

5 <sup>th</sup>	3 <sup>rd</sup>	Detection and prevention of Virus
	4 <sup>th</sup>	Application of computers in different Domain
	5 <sup>th</sup>	<b>Review Class</b>
6 <sup>th</sup>	1 <sup>st</sup>	Introduction To Networking Concept
	2 <sup>nd</sup>	Protocol, Connecting Media, Date Transmission mode
	3 <sup>rd</sup>	Network Topologies
	4 <sup>th</sup>	Cont.....
	5 <sup>th</sup>	Types of Networks
7 <sup>th</sup>	1 <sup>st</sup>	Networking Devices like Hub, Repeater, Switch, Bridge
	2 <sup>nd</sup>	Router, Gateway & NIC
	3 <sup>rd</sup>	Internet Services like E-Mail, WWW, FTP, Chatting
	4 <sup>th</sup>	Internet Conferencing, Electronic Newspaper & Online Shopping
	5 <sup>th</sup>	<b>Monthly Test</b>
8 <sup>th</sup>	1 <sup>st</sup>	Different types of Internet connectivity
	2 <sup>nd</sup>	ISP
	3 <sup>rd</sup>	<b>Review Class</b>
	4 <sup>th</sup>	Introduction to Concept of File and Folder
	5 <sup>th</sup>	File Access and Storage methods. Sequential,
9 <sup>th</sup>	1 <sup>st</sup>	Direct, ISAM
	2 <sup>nd</sup>	Data Capture, Data storage
	3 <sup>rd</sup>	Data Processing and Retrieval
	4 <sup>th</sup>	<b>Review Class</b>
	5 <sup>th</sup>	Introduction to Algorithm
10 <sup>th</sup>	1 <sup>st</sup>	Pseudo code and Flowchart
	2 <sup>nd</sup>	Generation of Programming Languages
	3 <sup>rd</sup>	Structured Programming Language

	4 <sup>th</sup>	<b>Monthly Test</b>
	5 <sup>th</sup>	Examples of Problem solving through Flowchart
11 <sup>th</sup>	1 <sup>st</sup>	<b>Review Class</b>
	2 <sup>nd</sup>	Introduction to Constants and Variables
	3 <sup>rd</sup>	Data types in C
	4 <sup>th</sup>	Managing Input and Output operations.
	5 <sup>th</sup>	Operators, Expressions,
12 <sup>th</sup>	1 <sup>st</sup>	Type conversion
	2 <sup>nd</sup>	Typecasting
	3 <sup>rd</sup>	Decision Control and Looping Statements (If, If-else, If-else-if, Switch While
	4 <sup>th</sup>	Do-while, For, Break, Continue & Goto
	5 <sup>th</sup>	<b>Review Class</b>
13 <sup>th</sup>	1 <sup>st</sup>	Introduction to advance features of C
	2 <sup>nd</sup>	Functions
	3 <sup>rd</sup>	Passing Parameters to the Function (Call by Value)
	4 <sup>th</sup>	Passing Parameters to the Function (Call by Reference)
	5 <sup>th</sup>	Scope of Variables, Storage Classes
14 <sup>th</sup>	1 <sup>st</sup>	Recursion Function, Types of Recursion
	2 <sup>nd</sup>	One Dimensional Array
	3 <sup>rd</sup>	<b>Monthly Test</b>
	4 <sup>th</sup>	Multidimensional Array
	5 <sup>th</sup>	String Operations
15 <sup>th</sup>	1 <sup>st</sup>	Pointers, Pointer Expression
	2 <sup>nd</sup>	Pointer Arithmetic
	3 <sup>rd</sup>	Programming Assignments using pointer
	4 <sup>th</sup>	Structure & Union
	5 <sup>th</sup>	<b>Review Class</b>

