

Month / No of Working Days	Name of the Unit / Chapter/Topic	Learning Outcomes	Suggested Activities/ Projects under Internal Assessment/PRACTICALS	Assignment	Assessment
APRIL	Ch- 1: Internal Hardware Devices	The students will learn about various internal hardware devices.	Divide the class into two groups and discuss the topic "Primary Memory vs Secondary Memory".	Paste any five pictures of internal hardware devices of the computer system.	Find ten words in the given grid by using clues.
JUNE	Ch- 11: Cloud Computing	The students will understand cloud computing, storing and sharing data/information using cloud computing.	Conduct a group discussion on the topic "Benefits of cloud computing".	Solve the puzzle based on cloud computing.	Tell the students about Google drive and how to organise the files and folders in it.
JULY	<b>(Ch- 1 &amp; 11)</b>  Ch- 2: Computer Network	<b>Revision</b>  The students will learn about network and its components, different transmission mediums, types of networks and network architectures.	Divide the class into two groups and discuss the topic "Advantages of networking "vs "Disadvantages of networking".	Write the information about various types of networks and also paste related pictures in the workbook.	<b>Periodic Test – 1</b>  Find and encircle 12 meaningful terms related to computer networks.
AUGUST	Ch- 4: Graphics in QBASIC  Ch- 5: Control statements and Loops in QBASIC	The students will be able to define constants and variables, screen resolution, different QBASIC statements like SCREEN, COLOR, LINE, PAINT and CIRCLE.  The students will be able to describe various types of looping constructs, use control statements, create nested loop.	Write the following programs in QBASIC: 1. To display a message by using print statement. 2. To change foreground and background color by using COLOR statement.  Write QBASIC programs for the following: 1. To find the greatest between two numbers. 2. To enter numbers 1 to 7 and print the corresponding weekdays by using SELECT...CASE	Read the following clues and search the words in the grid.  Run the following programs in QBASIC and write the outputs.(Pg. no.60)	Show the students how to draw different shapes using graphics in QBASIC.  Revision worksheet and Class test.

SEPTEMBER	<b>(Ch- 1,2,4,5 &amp; 11)</b>  Ch- 12: More on Python	<b>Revision</b>  The students will learn about control flow, what constructs to use for decisions, how to write programs in Python.	Write a program to calculate the product of three numbers and print the result.	Find the words as part of this chapter from the grid.(Pg.no.139)	<b>Term- 1 Exam</b>  Tell the students about the importance of control flow statements.
OCTOBER	Ch- 16: Conditional Statements	The students will be able to understand control structures and their types, IF...ELSE and ELSE...IF statements, Logical operators.	Draw a flowchart using iteration for finding greatest among three numbers.	Define the following logical operators: (a) OR operator (b) NOT operator	Think of some novel situations in daily life and discuss how conditional statements will help sort out the situations.
NOVEMBER	Ch- 17: Understanding Arrays	The students will learn what the array is, various operations to be performed on array, limitations of an array, how to sort an array using bubble sort.	Divide the class into two groups and discuss the topic: "Is the inclusion of arrays a useful one in any programming language?"	Solve the crossword puzzle based on the hints.(Pg.no.19 6)	Revision worksheet
DECEMBER	<b>(Ch-12 &amp; 16)</b>  Ch- 19: Basics of Artificial Intelligence	<b>Revision</b>  The students will understand types of intelligence, decision making and its instances, subsets of Artificial Intelligence, Artificial Intelligence domains.	The class will be divided into two groups and discuss "what are the disasters that can happen if AI is relied too heavily on?"	Write down a comparison chart between Machine Learning and Deep Learning.	<b>Periodic Test – 2</b>  Explain the subsets of AI and types of intelligence.
JANUARY	Ch- 20: Ethics of Artificial Intelligence	The students will understand AI ethics, Importance of ethics in Artificial Intelligence, Benefits of ethical AI, AI code of ethics.	Group Discussion: Divide the class into two groups and discuss "what would the world be without any thought given to ethics?"	Write down the following in your workbook: (a) Three unethical things in life (b) Three ethical things in life.	Revision worksheet and Class test.
FEBRUARY	<b>(Ch- 12,16,17,19 &amp; 20)</b>	<b>Revision</b>			<b>Term – 2 Exam</b>

NAME OF THE SUBJECT TEACHER: Mrs. Krishnapriya Daniel

SIGNATURE OF THE SUBJECT COORDINATOR: