



First Term Curriculum

Subject: Computer

Class: VII

Session: 2024-25

Month	April	May	June	July
Content	Number System Calculation In Excel	Calculation in Excel Analyse data in Excel 2016	Representation of data in Excel 2016. Go Online	Go Online
Learning Outcomes	Students will be able to: <ul style="list-style-type: none"> Define number system and categorize different types of number System. Comprehend different types of conversions in the number system. Comprehend cell, cell reference and its types. Type the formula using different methods. 	Students will be able to: <ul style="list-style-type: none"> Use functions to perform basic calculations. Apply sorting in one or more than one column. Comprehend and apply different types of filtration on data. 	Students will be able to : <ul style="list-style-type: none"> Comprehend charts and its components. Categorize various types of charts. Format charts and its components using various chart tools. Comprehend the basic terms related to the internet (search engine, web feed, email, news group etc.) 	Students will be able to : <ul style="list-style-type: none"> Comprehend videoconferencing, its advantages and application area. Enlist advantages and disadvantages of E-learning and E-shopping.
Skills	Knowledge, Understanding, Application and Analysis.	Knowledge, Understanding, Application and Analysis.	Knowledge, Understanding, Application and Analysis.	Knowledge, Understanding, Application and Analysis.
Software	MS Excel	MS Excel	MS Excel	—
Competency Skill based activity/ Experiential learning	Converting decimal numbers into binary numbers and vice versa.	Apply sorting and filtration on the data provided on the basis of given condition.	After creating a table, create a column chart and apply formatting to make the chart eye-catching.	Group discussion based on different terms related to the internet.
Art Integration	Math, English, Art			

Assessments: Class response, Class test and Practical work

Book: TERABYTES Connect with Computers (Fourth Edition)

Publisher: Cambridge University Press



Final Term Curriculum

Subject: Computer

Class: VII

Session: 2024-25

Month	August/September	October	November	December
Content	Website designing :HTML basic	Website designing: HTML next step	Coding Club: QB64 Next steps Coding clubs: Python Basics	Coding clubs: Python Basics Artificial Intelligence Basics
Learning Outcomes	Students will be able to: <ul style="list-style-type: none"> Comprehend HTML and its features. Outline different HTML editors. Define the basic structure of HTML. Apply the basic HTML tags. 	Students will be able to: <ul style="list-style-type: none"> Create different types of lists using tags. Insert images and create hyperlink to connect different web pages. 	Students will be able to: <ul style="list-style-type: none"> Comprehend QB64 and its interface. Comprehend and execute QB64 statements. Comprehend and execute conditional statements and iteration statements. Comprehend python and its features. Create a code in IDLE. Create and save a python file using script mode. 	Students will be able to : <ul style="list-style-type: none"> Comprehend the token and its types. Comprehend print () function, math in python and some standard data types. Comprehend the use of Artificial Intelligence in various fields. Classify AI into different types. Enlist advantages and limitations of AI.
Skills	Knowledge, Understanding and Application.	Knowledge, Understanding and Application.	Knowledge, Understanding and Application.	Knowledge, Understanding Application and Analysis
Software	Notepad, Web browser	Notepad, Web browser	QB64, Python	Python
Competency skill based activity/ Experiential learning	<ul style="list-style-type: none"> Create a small web page using the HTML tags. 	<ul style="list-style-type: none"> Writing the HTML program to design the given webpage. Create a web page with a list and image. 	<ul style="list-style-type: none"> Write a program to print odd and even numbers. 	<ul style="list-style-type: none"> Write a program to multiply two numbers.
Art Integration	English, Math, Art			

Assessments: Class response, Class test and Practical work

Book: TERABYTES Connect with Computers (Fourth Edition)

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