

SYLLABUS OF VI

Quarter – April to June

Sl. No.	Units	Contents	No. of Periods
1	1. Fundamental of Computer	1.1 Review Brief history of computer 1.2 Basic components of computer (Block diagram & its working) 1.3 Different Devices (OCR,Scanner, Mp3 player, bar code reader, MICR etc.) 1.4 Software definition and Types 1.5 Computer Memory (Measurement units and types) 1.6 Printers and types	5
2	2. Word Processing (MS Word)	2.1 Header and footer 2.2 Formatting of Paragraph 2.3 Mail Merge 2.4 Envelope and labels 2.5 Creation of column 2.6 Hyperlink 2.7 Drop cap	9
<p style="text-align: center;">Minimum level of learning Child should be able to identify basic components of computers and Input/Output devices Should be able to turn on and off the computer Should be able to open , create and format a word file Should be able to understand the concept of mail merge</p>			

Formative Assessment – 1
Quarter – July to September

3	3. Spread Sheet (MS Excel)	<p style="text-align: center;">132131321</p> <p>3.1 Table creating in MS Excel and implementing Various Charts(pie, bar , column, area, scatter etc.)</p> <p>3.2 Cell reference in MS Excel(within same sheet and different sheet)</p> <p>3.3 Functions in MS Excel (Mathematical and Conditional) (list of formula...)</p> <p>3.4 Sorting of data in MS Excel</p> <p>3.5 Filtering data in MS Excel</p> <p>3.6 Conditional Formatting</p> <p>3.7 Protection of Work book and Worksheet</p> <p>(1. A assignment can be assigned to students to develop a marks sheet using cell referencing , borders, various formatting etc.</p> <p>(2. Development of Chart using a table i.e. result analysis, subject vise comparison of marks etc can be assigned)</p>	24
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Minimum level of learning
Child should be able to understand the use of excel
Should be able to open , create an excel file and can do calculation using formulas
Should be able to understand the concept of sorting, filtering ,password

Formative Assessment – 2
Summative Assessment – 1

Quarter – October to December

4	4. Advance feature of MS Power Point	4.1 Insert different objects(i.e. images, Word arts , audio & Video etc.) 4.2 Transitions in slide 4.3 Custom Animation with text 4.4 Power point Presenter (1. A demonstration of a effective power point presentation should be given and then various exercises can be assigned) (2. Presentation related to other subjects also can be assigned)	12
5	5. HTML	5.1 Introduction to HTML 5.2 HTML Tags 5.3 HEAD ,TITLE, BODY ,Empty and Container Tags	6

Minimum level of learning
 Child should be able to start power point presentation
 Should be able to create an effective presentation
 (effective means using templates, transition, animation etc.)
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Child should be able be create simple web page
Formative Assessment – 3

Quarter – January to March

6	6. Use of internet	6.1 Overview of internet 6.2 Different types of web sites 6.3 Web browsers 6.4 Opening of Web pages and Web Sites 6.5 Use of search engine 6.6 Creation of an E-mail and using it 6.7 Advantage and Disadvantage of Social Media/sites 6.8 Networking and Networks	12
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Minimum level of learning
 Child should be able to access the web page ,can identify various browsers
 can effectively search a topic on the internet
 can ensure his/her security over the net
 can open an email account and operate it.

Formative Assessment – 4
Summative Assessment – 2

SYLLABUS OF VII

Quarter – April to June

Sl. No.	Units	Contents	No. of Periods
1	1. Computer Security	1.1 Threats to computer 1.2 Virus and its types 1.3 Anti Virus software and examples 1.4 Firewall and its use 1.5 Cyber Crime and Computer Ethics 1.6 Hackers and crackers 1.7 Cyber law and importance	5
2	2. HTML	2.1 Heading (H1 to H6) 2.2 , <hr>, <comment> 2.3 Background Color ,font tag(size, face, color) 2.4 Text alignment (center, left , right)	9
Minimum level of learning Child should be able to secure his/her computer from various threats Can tell what is cyber crime and understand the importance of cyber law			

Quarter – October to December

5	Photoshop (continued)		18
	5.1 Rectangular Marquee 5.2 Lasso 5.3 Crop and Slice tools 5.4 Measuring tools 5.5 Retouching tools	Rectangular Marquee 5.1.1. Elliptical Marquee 5.2.1. Single column Marquee 5.3.1. Single Row Marquee Lasso 5.1.2. Polygonal Lasso 5.2.2. Magnetic Lasso 5.3.2. Quick Selection 5.4.2. Magic Wand Crop and Slice tools 5.3.1 Crop 5.3.2 slice 5.3.3 Slice Select Measuring tools 5.4.1 Eyedropper 5.4.2 color Sampler 5.4.3 Ruler 5.4.4 Note 5.4.5 Count Retouching tools 5.5.1 Spot Healing Brush 5.5.2 Healing Brush 5.5.3 Patch 5.5.4 Red Eye 5.5.5 Magic Eraser 5.5.6 Blur 5.5.7 Sharpen 5.5.8 Smudge 5.5.9 Dodge 5.5.10 Burn 5.5.11 Sponge	

Minimum level of learning

Introduction of tool with its use to be demonstrated to students
Practical exercise to be given to students so that they can learn the specified tool

Child should be able to understand the use of Photoshop
Should be able to identify various tools and where to use the tool
Should be able to make changes in the picture using tools taught in the class

Formative Assessment – 3

Quarter – January to March

6	Painting Tools in Photoshop	6.1 Brush 6.2 Pencil 6.3 Color Replacement 6.4 Mixer Brush 6.5 History Brush 6.6 Art History Brush 6.7 Gradient 6.8 Paint Bucket	12
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Minimum level of learning

Should be able to identify various tools and where to use the tool
Should be able to make changes in the picture using tools taught in the class
Introduction of tool with its use to be demonstrated to students
Practical exercise to be given to students so that they can learn the specified tool

Formative Assessment – 4
Summative Assessment – 2

SYLLABUS OF VIII

Quarter – April to June

Sl. No.	Units	Contents	No. of Periods
1	1. Algorithm	1.1 Use of algorithm in programming Developing algorithm to solve a particular problem	6
2	2. Flow chart	2.1 About flow chart 2.2 Various types of box used in flow chart and their use (terminal box, input/output box, processing box, decision box) 2.3 Question based on sequence, selection and iteration	8
<p style="text-align: center;">Minimum level of learning Child should be able to develop a solution of a problem and can create its algorithm and flow chart</p>			

Formative Assessment – 1
Quarter – July to September

3	3. Photoshop Review	Topics studied in class VII (Rectangular marquee Toole, Lasso, Quick Selection, Crop ,measuring ,retouching , Painting)	5
4	More on Photoshop 4. Tools 4.1 Working with Masks	6.1 Drawing and type tools 4.1 Pen(P) Freeform Pen Add Anchor point Delete Anchor point Convert Point 4.2 Horizontal Type Vertical Type 4.3 Rectangle Rounded Rectangle Ellipse Polygon Line Custom Shape Working with Masks 4.11. Working with masks and channels 4.21. Creating a quick mask 4.31. Editing a quick mask 4.41. Saving a selection as a mask 4.51. Viewing channels 4.61. Adjusting individual channels 4.71. Loading a mask as a selection 4.81. Applying effects using a gradient mask 4.91. Resizing the canvass .101. Moving layers between documents .111. Colorizing with an adjustment layers .121. Grouping and clipping layers .131. Applying a mask from a saved selection .141. Using type as a mask	19

Minimum level of learning

Should be able to identify various tools and where to use the tool
 Should be able to make changes in the picture using tools taught in the class
 Drawing and type tools
 Introduction of tool with its use to be demonstrated to students
 Practical exercise to be given to students so that they can learn the specified tool

Formative Assessment – 2

Summative Assessment – 1

Quarter – October to December

5	<p>5. Photoshop (Continue...)</p> <p>5.1 Photoshop Vector tools</p> <p>5.2 Type in Photoshop</p> <p>5.3 Output from Photoshop</p>	<p>6.2 Photoshop Vector tools</p> <p>5.1.1 Basic Vector paths</p> <p>5.1.2 Drawing shapes</p> <p>5.1.3 Combining vector paths</p> <p>5.1.4 Converting shapes to selections</p> <p>5.1.5 Manipulating vector paths</p> <p>6.3 Type in Photoshop</p> <p>5.2.1 Typographic design</p> <p>5.2.2 Creating a clipping mask from type</p> <p>5.2.3 Creating a design element from type</p> <p>5.2.4 Using interactive formatting controls</p> <p>5.2.5 Wrapping font type</p> <p>5.2.6 Designing a paragraph of type</p> <p>6.4 Preparing file for print</p> <p>5.3.1 Preparing file for web output</p> <p>File compression</p>	10
6	<p>6. Flash</p>	<p>6.5 What is flash and its uses</p> <p>6.6 Creating animation</p> <p>6.7 About symbols and instances</p> <p>6.8 Types of symbols(graphic, button,movie clip etc.)</p> <p>6.9 Converting an object to a symbol</p> <p>6.10 Introducing time line and its use in animation</p> <p>6.11 Frames and key frame</p> <p>6.12 About layers (inserting a new layer, renaming & deleting layer)</p> <p>6.13 Types of animation (frame and tweened)</p>	8

Minimum level of learning

- Should be able to identify various tools and where to use the tool
- Should be able to make changes in the picture using tools taught in the class
- Should be able to create a simple flash file using his/her own creativity

Formative Assessment – 3

<u>Quarter – January to March</u>			
7	7. Flash continued...	7.1 Motion tweening (using and without using motion guide) 7.2 Shape tweening (simple shape and using text strings)	4
8	8. E-Commerce E-Greeting	8.1 What is it ? 8.2 Influence on user 8.3 What factor one should keep in mind while doing e-commerce, Websites Example	2
9	9. Chatting	9.1 Definition 9.2 Example	2
10	10. Downloading/Uploading	10.1 Downloading/Uploading Speed 10.2 Difference 10.3 Example 10.4 Concept of Bandwidth and protocol	2
11	11. Video Conferencing	11.1 What is it 11.2 Use of It 11.3 Factors affecting Video Quality 11.4 Usefulness of Video Conferencing	2
Minimum level of learning Child should be able to create simple flash file having different types of motion Child should be able to understand the e-commerce and its various websites and what to keep in mind while doing online purchasing chatting, downloading and uploading Use of video conferring and its advantage			
Formative Assessment – 4 Summative Assessment – 2			