POSITIVE QUADRANT
T E C H N O L O G I E S
SERVING INFORMATION WORLDWIDE

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COMPUTER STANDARD 8TH

Programming & development

Course Curriculum

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COMPUTER STD 8TH

Module 1 : Introduction

➢ Use of Algorithm in programming and to solve problems

Module 2: Flow Chart

➢ About flow chart
➢ Box types used in the flow chart (termial box, input/output box, processing box, decision box)
➢ Questions based on sequence, selection and iteration

Module 3: Photoshop Reviews

➢ Rectangular marquee tool
➢ Quick selection crop
➢ Measuring Retouching and Painting

Module 4: More on Photoshop Tools

➢ Drawing and Pen tools
  ➢ Pen Tools
    o Freeform pen
    o Add an anchor point
    o Delete an anchor point
    o Convert point

  ➢ Horizontal type
    o Vertical type
    o Rounded and rectangular

  ➢ Rectangle
    o Ellipse, Polygon, Line, Custom, Shape

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Module 5: Working with Mask

- ➢ Optimally using masks & channels
- ➢ Making a quick mask
- ➢ Customizing a quick mask
- ➢ Viewing channels, adjusting individual channels, moving layers between documents
- ➢ Loading a mask as a selection
- ➢ Using gradient effects through a mask
- ➢ Resizing the canvas
- ➢ Colorizing with adjustment layers grouping and clipping layers
- ➢ Applying a mask from a previously saved selection
- ➢ Using type as a mask

Module 6: Type on Photoshop output from Photoshop

- ➢ Type in Photoshop output from Photoshop – Photoshop vector tools
    - o Basic vector paths
    - o Drawing shapes
    - o Combining vector paths
    - o Converting shapes to selections
    - o Manipulating vector paths

- ➢ Type in Photoshop
    - o Typographic design
    - o Creating a clipping mask from type
    - o Creating a design element from type using interactive formatting controls
    - o Wrapping font type
    - o Designing a paragraph of type

- ➢ Preparing file for print
    - o Preparing a file for web output
    - o File compression

Module 7: Flash

- ➢ What is flash and how it is used

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- ➢ Developing and creating animation
- ➢ About symbols and instances
- ➢ Various types of symbols, changing an object to a symbol
- ➢ Introducing timeline and its use in animation frames, and keyframe, about layers (inserting a new layer, renaming and deleting layer)
- ➢ Types of animation (frame and tweened), motion tweening, shape tweening E-commerce E-greeing – EDI (Electronic Data Interchange)
- ➢ Definition of E-commerce and E-greetings, influence on user
- ➢ Factors one should keep in mind while using e-commerce websites

Module 8: Flash Continued

- ➢ Motion Tweening (using and without motion guide)
- ➢ Shape twinning (Simple shape and using text strings)

Module 9: E Commerce / E Greeting

- ➢ Electronic data interchange
- ➢ What are E-commerce and E-greetings
- ➢ Infulence on User
- ➢ Website Example
- ➢ What factors should one consider while performing E-commerce?

Module 10: Chatting

- ➢ Chatting definition and chatting example

Module 11: Downloading / Uploading

- ➢ Downloading / Uploading speed difference
- ➢ Downloading / Uploading example
- ➢ Concept of bandwidth and control

Module 12: Audio and Video Conferencing

- ➢ What is Audio and Video Conferencing?

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- ➢ Use of Audio and Video Conferencing?
- ➢ Factor affecting video quality
- ➢ Usefulness of video conferencing