**Syllabus**

**Main Topics**

* Basic Computer
* Kids Graphic Design
* Web Design
* Python for kids

**Software Taught**

* Microsoft Office
* Sublime text
* Vs Code
* Pycharm

**1. Basic Computer**

Hard ware & basic software

* Class-1
  + Introduction
  + Input output devices and etc.
  + Introduction computer hardware parts

Microsoft Word

* Class-1:
  + Introduction
  + Tools
  + How to write- font size, alignment, line height, color, etc.
  + Form Create
* Class-2
  + Diagram
  + Smart art
  + Chart
* Class-3
  + Cover Page Design
* Class-4
  + Search
  + Replace
  + Header, Footer, Date

Microsoft PowerPoint

* Class-1:
  + Introduction
  + Tools
  + Create Presentation Slide
* Class-2
  + Shapes
  + Animation
  + Chart- with animation
* Class-3
  + Diagram
  + Header, Footer, Date
* Class-4
  + Complete Presentation Slide

Microsoft Excel:

* + Class-1
* Introduction
* Tools
* Copy/paste
  + Class-2
* Equation (formulas)
* Condition
  + Class-3
* Search
* Filter
* Chart
  + Class-4
* Project (Employee Payroll)

**2. Web Design**

* Class-1:
  + What is HTML
  + What id editor (Software)
  + What is Tag
  + Html Structure
* Class-2:
  + HTML Heading
  + HTML Paragraph
  + HTML formatting Elements
  + HTML Comments
* Class-3:
  + HTML Links
  + HTML File Path
  + HTML Images
  + HTML Audio Tag
* Class-4:
  + HTML Video Tag
  + HTML I frame
  + HTML Unorder list
  + HTML Order List
* Class-5:
  + Quiz Test and Exam
* Class-6:
  + HTML Forms
  + HTML Input Typeer
  + Input Attribute
* Class-7:
  + HTML Radio button
  + HTML Checkbox
  + HTML Select Field
* Class-8:
  + Quiz Test and exam
* Class-9:
  + What is CSS
  + CSS Syntax
  + CSS Selectors
  + Type of CSS
* Class-10:
  + CSS Comments
  + CSS texto
  + CSS Color
  + CSS Background
* Class-11:
  + CSS padding
  + CSS margin
  + CSS Border
  + CSS Box Shadow
* Class-12:
  + CSS Display
  + Display flexl
  + CSS Position
  + CSS transform
* Class-13:
  + CSS transition
  + Animation CSS
  + Animation sports
  + Create project Environment
* Class-14:
  + Project using HTML and CSS
* Class-15:
  + Responsive Project Using HTML CSS
* Class-16:
  + Quiz Test and Exam

**3.Graphic Design for Kids**

**Adobe Photoshop**

* + Class-1:
    - What is Raster & Vector?
    - What is Pixal & Dot?
    - Layer
    - Zooming & Planning
    - Undo & Redo, Foreground & Background Color.
    - Bruse tool & Setting
  + Class-2:
    - Selection Tools.
    - Sub Selection, Feather ,Selection Style
    - Black & White (Adjutment)
    - Image Resize, Cropping, Resizing Image
  + Class-3:
    - Image Retouch
    - Spot Healing, Healing, Patch Tool
    - Content-aware Move, Red Eye Tool
    - Clone Stem Tool
  + Class-4:
    - Pen Tool
    - Path Mode
    - Shape Mode
    - Path Selection Tool & Path Save
  + Class-5:
    - Mask
    - Masking
    - Clipping Mask
    - Layer Mask
    - Smart Object
  + Class-6:
    - Gradient Tool
    - Type Tool with Character
    - Blending Mode
  + Class-7:
    - Blending Options
    - Color Balance
    - Channel Mixer
    - Hue/Saturation
  + Class-8:
    - Different Mockup
  + Class-9:
    - Liquify
    - Image Retouching

**4.Programming With Scratch**

* Class 1:
  + Introduction to Programming
  + Introduction to Scratch
  + Create Email account
  + Create an account on Scratch
  + How to download Scratch
* Class 2:
  + Introduction to Scratch interface
  + Motion
  + Looks
  + Sound
  + Events
  + Condition
  + Variable
  + Operator
* Class 3:
  + Make your First App
* Class 4:
  + Catching Apple games
* Class 5:
  + Draw shapes in Scratch
* Class 6:
  + Create fish shark game
* Class 7:
  + Average Finder
* Class 8:
  + Calculator App in Scratch
* Class 9:
  + Find Percentage
* Class 10:
  + Cat flying game
* Class 11:
  + Hide and seek game
* Class 12:
  + Make maze game
* Class 13:
  + Make MCQ quiz
* Class 14:
  + Make a shooting game
* Class 15:
  + Shooting game
* Class 16:
  + Review class

**5. Interactive Python for Kids (PyKids)**

Python Language Fundamentals :

* + Class-1
* Introduction to python.
* Show Output.
* Variables.
  + Class-2
* Data type with type conversion.
* String Methods & Concatenation.
* Operator
  + Class-3
* List, Dictionaries
* Conditional Statements.
  + Class-4
* Functions.
* Loops.
  + Class-5
* Let’s make a simple app: Nice Hex Spiral app