

2025

THEORY MEETS PRACTICE

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Webcooks Juniors 2.0



Workshop Structure



- Python Logic Lab: Think, Code, Create
- Creativity & Digital Design
- Basic Computer Skills (Word, Excel, PowerPoint)
- Game Development & App Creation

Python Logic Lab: Think, Code, Create



Tool Used : Python

Topics Covered	Activity Created
What is Coding ?	<ul style="list-style-type: none">• Installing Python• IDE Setup (Visual Studio Code)• Writing First Program using print()
Variables & Basic Data Types	<ul style="list-style-type: none">• Numbers and Strings only• Basic use of input()• simple math operations
Decision Making	Using if, else, elif with simple real-life examples
Loops – Basics	Introduction to for and while loops using counting and ranges
Math Fun with Loops and Conditions	<ul style="list-style-type: none">• Even/odd• multiples• number-based outputs

Python Logic Lab: Think, Code, Create



Tool Used : Python

Topics Covered	Activity Created
Pattern Printing with Stars and Numbers	Nested loops for basic shapes: triangles, squares
Logical Thinking Games	Building brain teasers using conditions and loops
Mini Project 1: Number Guessing Game	Let the user guess a secret number with hints
Mini Project 2: Rock, Paper, Scissors	Simple game logic using input and conditionals
Revision + Code Puzzles & Logic Building Challenges	Wrap-up quiz, hands-on code practice, and Q&A

Creativity & Digital Design



Tools Used : Canva

Topics Covered	Activity Created
Basics of Digital Design	Learning about colors, fonts, and layout
Creating Posters	Designing a school event poster
Designing Invitations & Greeting Cards	Making a birthday invitation or thank-you card
Creating Social Media Content	Designing a carousel (multi-slide image) for a story
Photo Editing & Enhancement	Cropping, resizing, and adjusting images for better designs
Presentation Design	Making a digital slideshow with animations and transitions



Basic Computer Skills (Word, Excel, PowerPoint)



Tools Used : Microsoft Word, Excel, PowerPoint

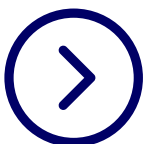
Topics Covered	Activity Created
Document Formatting & Text Styling	Creating a restaurant menu card with text formatting and images
Working with Tables & Lists	Designing a school timetable or event schedule
Introduction to Spreadsheets	Creating a grocery price list & calculating total cost
Creating Graphs & Charts	Converting classroom survey results into bar graphs
Presentation Basics	Making a slideshow about a favorite animal or dream vacation
Using Animations & Transitions	Designing a fun storytelling presentation with animations

Game Development



Tool Used : Scratch

Topics Covered	Activity Created
Introduction to Logical Thinking & Algorithms	Dragging and connecting blocks to perform basic actions
Basics of Game Development	Creating an animation where characters move and talk
Understanding Events & Sequencing	Developing an interactive story with clickable objects and dialogues
Conditional Statements (If-Else Logic)	Creating a quiz game where answers change the story
Looping & Repetition	Designing a simple endless runner game
Building Character Movements	Making a platformer game with jumping and walking characters
Final Logical Thinking Challenge	Creating a mini adventure game with levels and obstacles





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