



SCRATCH GAME DEV

Scratch Game Development

Learn game development using Scratch through animations, storytelling, logic building, and interactive gameplay projects designed for young creators.

■ Create Fun Games Interactive Scratch projects	■ Learn Coding Logic Conditions, loops & variables
■ Creative Design Animations & storytelling	■ Final Showcase Build and present a complete game

Curriculum Roadmap

1. Scratch Fundamentals

- Scratch interface
- Sprites & Stage
- Mini Animation

2. Events & Interactions

- Keyboard controls
- Events
- Interactive storytelling

3. Game Basics

- Loops & Conditions
- Collision detection
- Chase Game

4. Game Design

- Backgrounds
- Obstacles
- Game structure

5. Math in Games

- Variables
- Scores & Lives
- Game progression

6. Advanced Game Logic

- Timers
- Difficulty levels
- Multi-level gameplay

7. Functions (Custom Blocks)

- Custom blocks
- Reusable code
- Game optimization

8. Lists & Data

- Lists in Scratch
- Score tracking
- Data handling

9. Cloning & Dynamic Gameplay

- Clones
- Enemy spawning
- Dynamic interactions

10. Final Game Project

- Complete Scratch Game
- Multimedia effects
- Showcase

Learning Outcomes

- Understand coding and game development fundamentals
- Create interactive animations and storytelling projects
- Build complete games using Scratch logic blocks
- Learn variables, loops, conditions, and game systems
- Showcase creative and engaging Scratch games

Create • Animate • Code • Play