



# SCRATCH

Craft Your Digital Dream, One code at a Time!

📍 IT BLOCK

🕒 3:15 PM ONWARDS

[ MONDAY, TUESDAY, THURSDAY ]



Scratch is a visual programming language that allows you to create your own interactive stories, games and animations.

## **MODULE I: Introduction to Scratch - (13 HOURS)**

Course Overview and Importance of Coding , Introduction to Scratch Interface,Creating Your First Scratch Project,Understanding Sprites and Backdrops,Simple Animations and Adding Sound Effects,-Exploring Scratch Blocks and Scripts ,Variables and Data Types in Scratch , Conditional Statements (If-Else) in Scratch ,Loops in Scratch (Repeat and Forever),Project: Creating an Interactive Story with Scratch.

## **MODULE II: ADVANCED SCRATCH PROGRAMMING – (13HOURS)**

Broadcasting and Handling Events ,Understanding Cloning and Parallelism ,Sensing the Environment in Scratch,Operators and Math Functions, Project: Designing and Building a Simple Game. Working with Images and Custom Sprites , Adding Music and Sound Effects to Projects ,Creating Custom Blocks and Procedures, Project: Building a Digital Art Gallery ,Sharing and Showcasing Scratch Projects.