Codingal
Where kids love coding

IIT Bombay Mood Indigo Coding Project

Learn | Build | Get Certified

Learn coding with top teachers by building real-world projects and get a certificate from IIT Bombay Mood Indigo

Program Curriculum for Grades 1 - 3

Eligibility
Grade 1-12

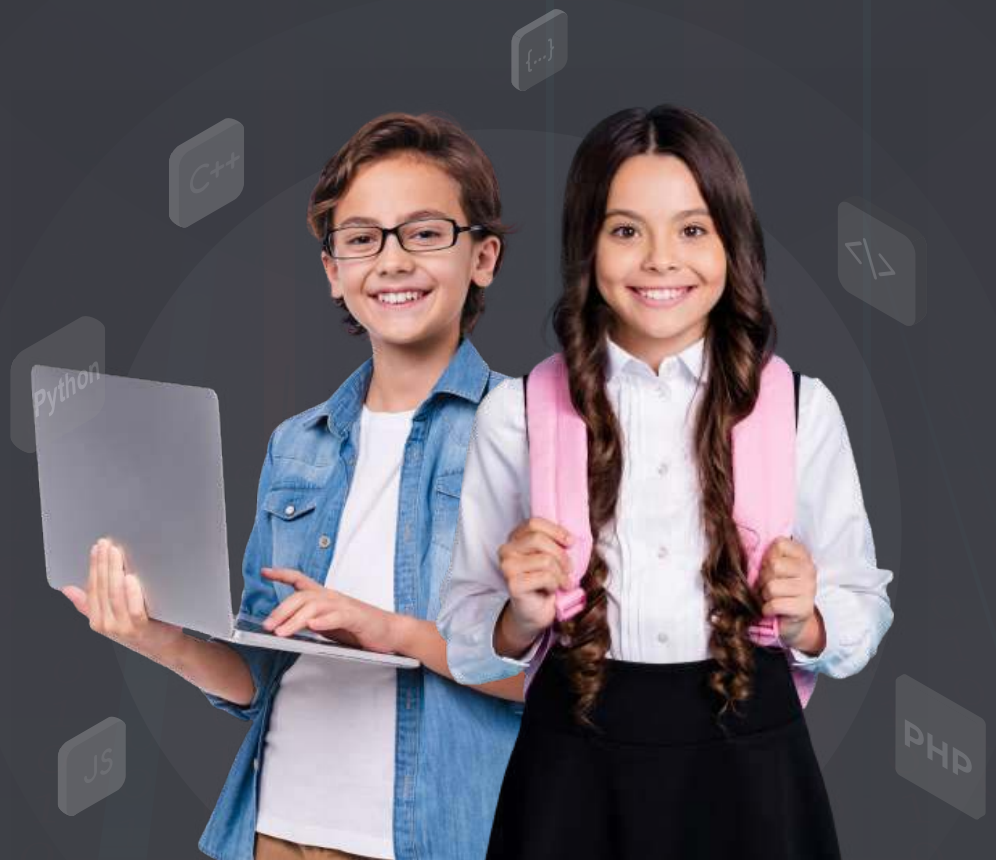
Program Delivery
Online & Offline

Certificates
IIT Bombay Mood Indigo
STEM.org

Duration
6 months

Session
48 sessions of
1 Hour each

Highlights
3 Major Projects
Unlimited doubt sessions



Code.org | Grade 1 - 3

Embark on your first coding adventure! Learn coding basics with Code.org's Sprite, Play, App Labs & Minecraft. Explore algorithms, loops, conditionals, and real-world simulations. And build your first animation & interactive game.

Course Learning Outcomes

- Fundamentals of coding using blocks
- Introduction to sequential thinking
- Foundations of logical decision making

Exclusive Benefits

- Unlimited doubt sessions, 24x7.
- Build 2 Games and an Application
- Host your application on Play Store

Module 1
ANIMATION

Begin a magical coding odyssey at code.org, mastering blocks and creating games.

Key Learning Outcomes

- Coding Principles and Logic
- Interactive Events and Dynamic Directions
- Engaging Game Design
- Lifelike Object Behaviors
- Real-World Coding Application

Language:
Block based

Platform:
Code.org (Sprite Lab)

6 Lessons & 10+ Projects

Module 2
INTERACTIVE GAMES

Explore core coding concepts like coordinates, loops, conditionals, and variables.

Key Learning Outcomes

- Cartesian Coordinate System
- Loops for Automation
- Effective Variable Usage
- Conditional Decision-Making
- Problem-Solving and Teamwork

Language:
Block based

Platform:
Code.org (Sprite Lab)

6 Lessons & 10+ Projects

Module 3
CRITICAL THINKING

Embark on an electrifying journey with Playlab, including Gumball, Ice Age, and Frozen.

Key Learning Outcomes

- Creative Analysis
- Art of Animation and Storytelling
- Cultural and Societal Impact
- Disney Interaction
- Creativity and Problem-Solving

Language:
Block based

Platform:
Code.org (Play Lab)

6 Lessons & 10+ Projects

Module 4
SINGLE PLAYER GAMES

Unleash limitless imagination and become a skilled coder by taking on game development projects.

Key Learning Outcomes

- Artistic Appreciation
- Advanced Problem-Solving
- Data Handling Skills
- Creative Expression and Logic
- Self-Expression Through Dance

Language:
Block based

Platform:
Code.org (Play Lab)

6 Lessons & 10+ Projects

Code.org | Grade 1 - 3

Module 5
MINECRAFT

Create unique adventures and solve problems in Minecraft

Key Learning Outcomes

- Minecraft Environmental Appreciation
- Creative Expression and Storytelling
- Adventure and Problem-Solving
- Minecraft Design Skills
- Functional Problem-Solving

Language:
JavaScript in Block based

Platform:
Code.org (Minecraft)

6 Lessons & 10+ Projects

Module 6
UTILITY APPS

Develop applications with user interfaces and user interactions.

Key Learning Outcomes

- App Development Basics
- Game Design and Interactivity
- Calculator Application
- Physics Simulation
- Iterative Application Development

Language:
JavaScript in Block based

Platform:
Code.org (App Lab)

6 Lessons & 10+ Projects

Module 7
BEST GUI APPS

Explore graphic tools such as Canvas and Turtle and create animated artworks.

Key Learning Outcomes

- Algorithmic Thinking and Creativity
- Environmental Awareness and Conservation
- Health and Wellness
- Digital Art and Design
- Problem-solving and Critical Thinking

Language:
JavaScript in Block based

Platform:
Code.org (App Lab)

6 Lessons & 10+ Projects

Module 8
APPS USING DATABASE

Develop sophisticated applications, such as the personalized WhiteBoard app, survey app, all-in-one app, and many more.

Key Learning Outcomes

- Digital Collaboration and Communication
- Versatile App Proficiency
- Survey Design and Data Collection
- Programming and Data Manipulation
- Digital Problem-Solving

Language:
JavaScript in Block based

Platform:
Code.org (App Lab)

6 Lessons & 10+ Projects

Hear what our students and parent have to say

Ojas Sharma

Grade 5, Codingal Student

The IIT Roorkee coding program was incredible! I learned by building real coding projects, and it made learning so much fun.

Aarav S

Grade 10, Codingal Student

I collaborated with peers & learned from expert teachers. The IIT Bombay coding competition boosted my creativity, critical thinking, and coding abilities.

Priyanka Sahni

Codingal Parent

The IIT Guwahati Hackathon created a strong foundation for my daughter's coding journey. The collaborative learning environment was remarkable

Riya

Grade 4, Codingal Student

I found Codingal's competitions and projects engaging. I've built my own website and learned so much about how the internet works. I'm enjoying my classes

Got questions? Contact us anytime.

Send us a message

support@codingal.com

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