



# Codingal

Where kids love AI & coding



Grade 4-5

Hello ! Young Coders

# Get ready to fall in love with AI & coding

Accredited by



Excellent by



Backed by



ChatGPT



Bootstrap



python™





# About Codingal

**Our Mission: To inspire kids and teens to fall in love with AI & coding**

Codingal is a leading online after-school where kids & teens learn AI & coding from expert instructors through live, interactive classes. Our mission is to build the world's largest & most loved programming school for kids & teens, powered by human & AI tutors.

All our instructors come from Computer Science background, and they are rigorously vetted and trained. Every student gets a personalized learning path and individual attention in 1:1 private classes or small group classes with expert instructors. Students learn by building apps, games, animations, and websites in a fun & engaging way.

Kids find Codingal very fun & engaging. They have rated teachers at 4.9 out of 5. Curriculum content is rated at 4.8 out of 5.

Codingal is on a mission to inspire kids to fall in love with AI & coding, and provide the right education to them who will be able to create anything they can imagine and build the future when they grow up to become entrepreneurs, engineers, and scientists.





# Codingal empowers kids to become innovators of the future

## Why should kids learn AI & Coding?



Coding is the new literacy : Technology has become a core part of our lives, powering everything from websites to smart gadgets. With AI increasingly shaping the future, teaching kids coding and AI prepares them to thrive in a tech-driven world. These skills enable kids to innovate, solve problems, and succeed in a rapidly evolving landscape.

## What are the benefits of learning AI & Coding?



- Develops problem-solving skills
- Boosts analytical and data-driven thinking
- Enhances creativity and imagination
- Encourages innovative real-life solutions
- Builds resilience and adaptability

## Why this curriculum?



- Accredited by STEM.org
- Rated 4.5 out of 5 by students and parents on Trustpilot
- Based on BIDE (Broad, Inspiring, Deep and Efficient) model
- Focus on STEAM (Science, Technology, Engineering, Arts, Math) subjects
- Enhances cognitive, logical, and computational skills
- Makes learning highly effective, interactive, and fun



# Why learning to code is essential for every child in the age of AI



## AI development requires coding

Building AI requires coding, which provides instructions to make the system function properly, ensuring everything runs smoothly and behaves as intended.



## Augmenting human creativity

AI serves as a powerful tool for enhancing creativity, helping creators but still relying on human direction to produce unique and meaningful results.



## Coding as a foundation for AI literacy

Learning to code is essential for understanding technology, enabling effective communication with computers and empowering individuals to create and innovate.



## New jobs & industries

The rise of AI creates new opportunities in various fields, from developing AI tools to maintaining and improving systems, generating demand for skilled professionals.

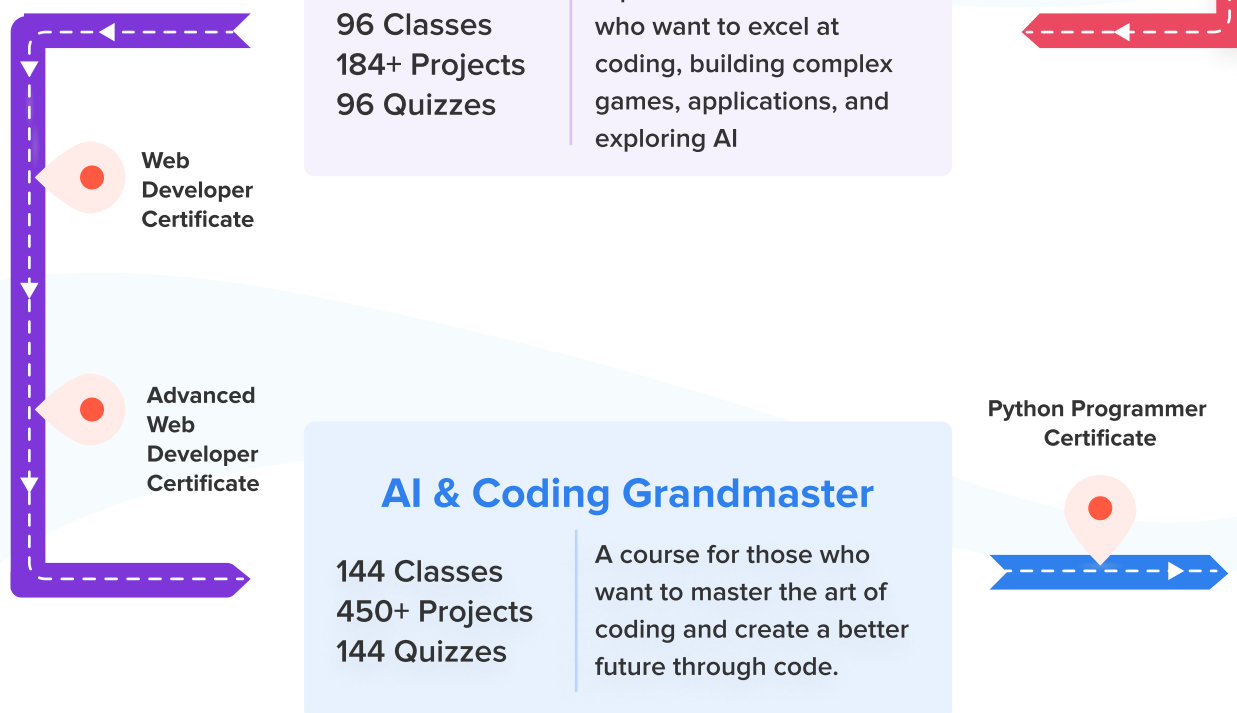
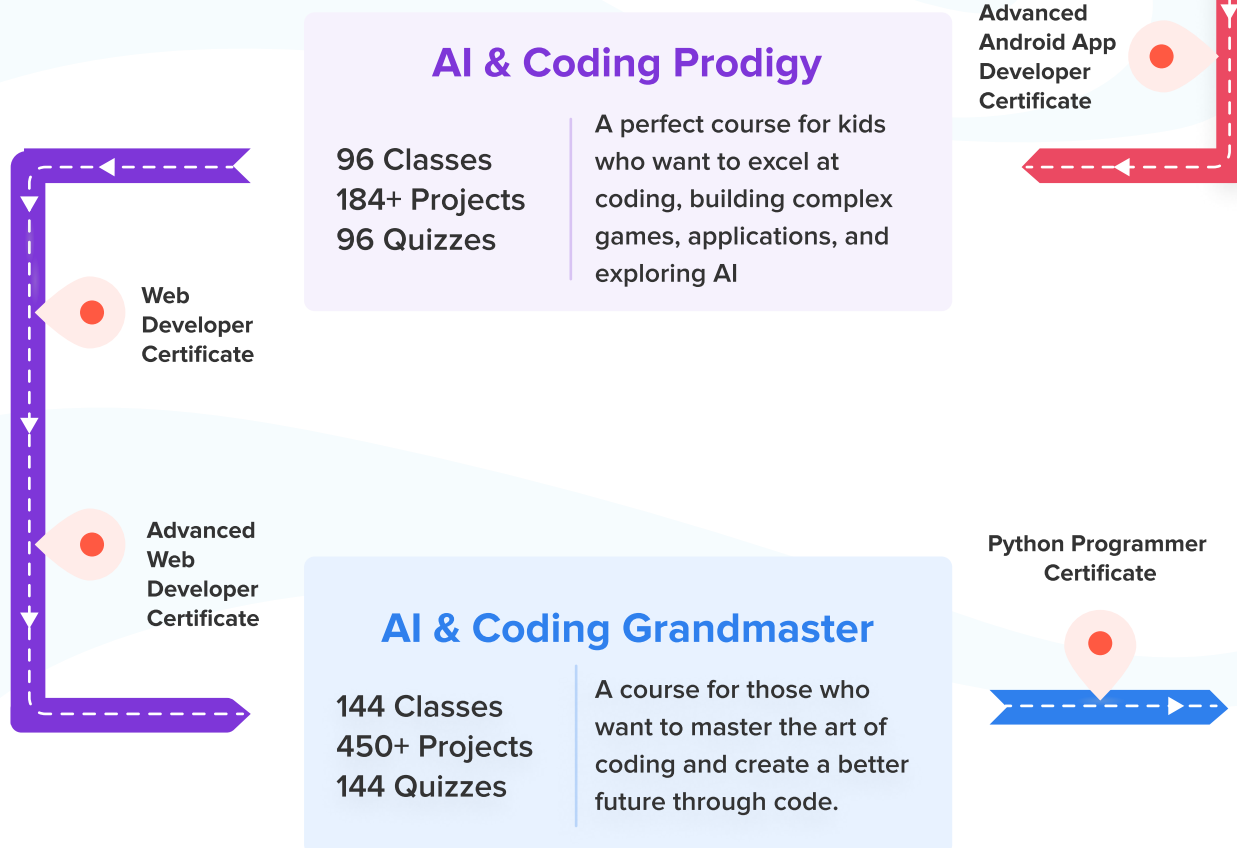
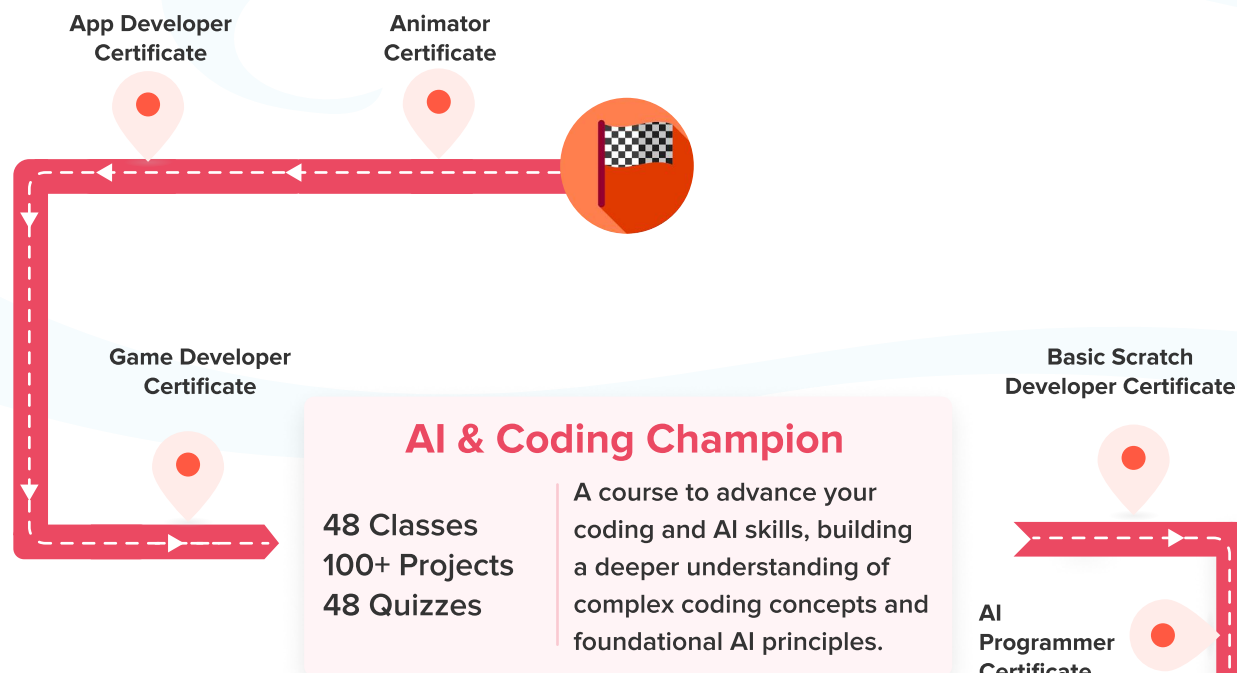


## No-code/low-code platforms

No-code platforms simplify building applications with drag-and-drop tools, but coding knowledge is necessary for creating more customized, complex features and designs.



# Student's learning journey





Earn AI & Coding certificates with STEM.org accreditation



# AI & Coding Champion



**3+** Additional certificates in the entire learning journey

# AI & Coding Champion

Build amazing projects with AI integration! Progress from basic sprites and animations to advanced app development while crafting intelligent games and interactive applications.

48 Classes  
50+ Projects  
48 Quizzes



## Key learnings

- ✓ Build interactive apps and games
- ✓ Understand coding logic and structure
- ✓ Create with AI and creativity
- ✓ Use conditions, loops, and functions
- ✓ Develop problem-solving through projects



## Top achievements

- ✓ Code their own fun projects
- ✓ Build smart AI-powered tools
- ✓ Think logically like real developers
- ✓ Design animations, games, and apps
- ✓ Gain confidence in creative coding

AI

### Module 1

#### Fundamentals of Animation

Learn coding through games, animations, and an AI-powered emoji experience that sparks creativity and logic.

Language:  
Block based  
Platform:  
[Code.org](#)  
(Sprite Lab, Play Lab)

6 Lessons & 20+ Projects



[Astro Rescue](#)



[Alien Encounters](#)



Unlock Animator Certificate

AI

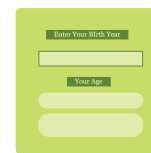
### Module 2

#### Basic Application Development

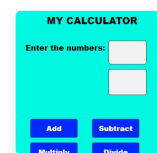
Create apps, use operators, and build an AI math assistant that chats and teaches multiplication tables

Language:  
Block based  
Platform:  
[Code.org \(App Lab\)](#)

6 Lessons & 20+ Projects



[Voter App](#)



[Calculator](#)

AI

### Module 3

#### GUI Apps

Explore coding with turtles and build an AI assistant turtle that understands and draws shapes.

Language:  
Block based  
Platform:  
[Code.org \(App Lab\)](#)

6 Lessons & 20+ Projects



[Jumanji](#)



[Sign ABC](#)



Unlock App developer Certificate



## AI & Coding Champion

### Module 4

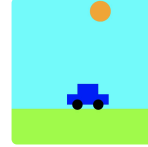
#### Game Development

Design interactive games while learning sprite interaction, drawing shapes, randomization, and JavaScript basics.

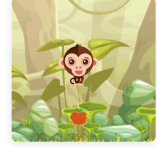
Language:  
Block based

Platform:  
[Code.org \(Game Lab\)](#)

6 Lessons & 15+ Projects



[Spriteless Animation](#)



[Conditional with Poxy](#)

### Module 5

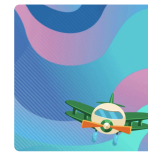
#### Advance Game Development

Advance your coding with collision detection, velocity, conditionals, and creative game-building techniques.

Language:  
Block based

Platform:  
[Code.org \(Game Lab\)](#)

6 Lessons & 10+ Projects



[Collision](#)



[Save the Cow](#)



Unlock Game Developer Certificate

AI

### Module 6

#### Basic Animation Development

Dive into Scratch, build games, and create AI face filters using real-time camera detection logic

Language:  
Block based

Platform:  
[Scratch](#)

6 Lessons & 15+ Projects



[Birthday Greetings](#)



[Solar System](#)

AI

### Module 7

#### Game Design - I

Build musical games and bouncing animations! Program smart sprites that detect your movements using AI!

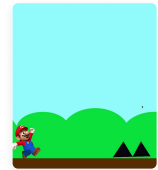
Language:  
Block based

Platform:  
[Scratch](#)

6 Lessons & 10+ Projects



[Happy Balls](#)



[Mario Dash](#)

AI

### Module 8

#### Game Design - II

Build advanced Scratch games including Snake, Car racing, and Casey adventures! Create AI assistants speak multiple languages!

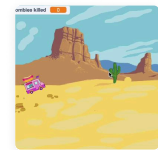
Language:  
Block based

Platform:  
[Scratch](#)

6 Lessons & 10+ Projects



[Car Game](#)



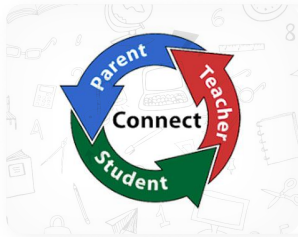
[Hungry Casey](#)



Unlock Scratch Developer Certificate



# Top 10 benefits of learning at Codingal



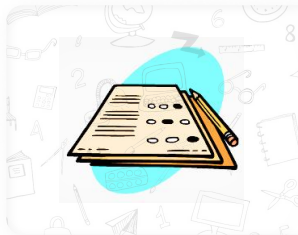
## 1. Regular PTM

Great opportunity for parents and teachers to open two-way communication and to share insights and information for the holistic development of a child.



## 2. Regular doubt session

After every module solve all your queries in this personalized session. The toughest problems addressed – concepts revised and doubts cleared!



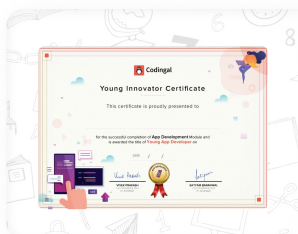
## 3. Engaging quizzes

Quizzes are fun and help us remember important facts. These well-targeted and tailor-made quizzes will boost self-esteem and confidence among kids.



## 4. Thrilling competitions

Regular competitions are conducted to encourage students to showcase their skills and develop their ideas.

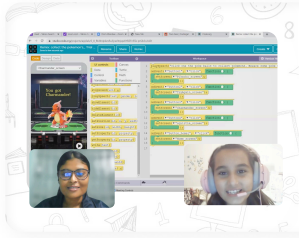


## 5. Learning Certificates

Show the world what you can do with a certificate for every amazing skill you master.



# Top 10 benefits of learning at Codingal



## 6. Live personalized classes

Understand concepts faster with personal attention from teachers. Learn coding from highly qualified teachers trained to make learning effective and impactful.



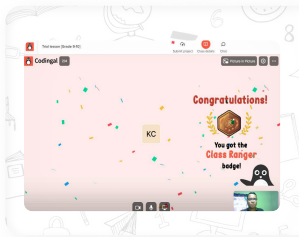
## 7. Lifetime access to class videos

Forgot what was taught in the last class? No worries. Watch the recorded class video anytime to refresh your memory.



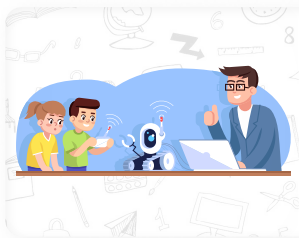
## 8. Lifetime access to resources

Get lifetime access to our exclusive learning content including DIY sheets, videos, and other resources.



## 9. Gamified learning

Codingal makes learning fun with gamification. Students can take quizzes or complete projects to earn points, badges, and rewards.



## 10. After class projects

For each class, students have the opportunity to complete an after-class project, enabling them to apply what they've learned, test their skills, and receive valuable feedback from their teacher.



## Students and parents love Codingal



**Ray**

Japan



I love learning with Codingal. It's always fun and the teacher is nice and kind.



**Lavanya**

India



The courses develop multiple skills and ensure maximum clarity of coding concepts.



**Billie**

Kenya



Codingal classes are so much fun. I've started to really enjoy creating things with code.



**Elara Dalton**

USA



I referred Codingal to my friend, and now we're both into coding! She joined the classes too. Plus, Codingal gave me a whole month of free coding classes.



**Trustpilot**



TrustScore **4.8** | **425** reviews



4.6 out of 5



5 out of 5

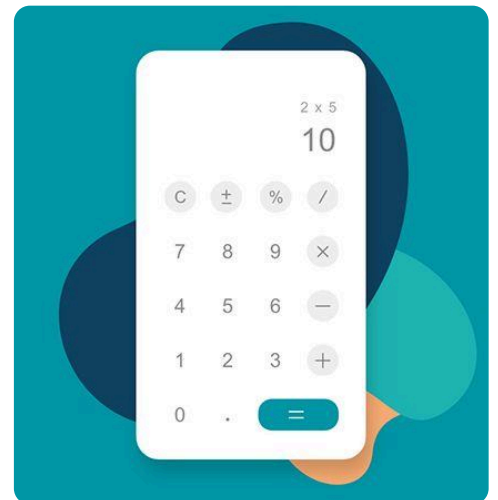


# Unlock your child's potential in Math & Science with AI and Coding



**In Science, AI and Coding enable simulations and data analysis.** Students use AI models to predict outcomes in biology, chemistry, and climate science, learning how coding drives scientific discovery and accelerates problem-solving in real-world applications.

**Learning AI and Coding help students apply mathematical concepts like linear algebra and statistics to real-world problems.** Coding AI models allows them to visualize math, make predictions, and see how math powers data analysis and decision-making.



**Our teachers provide individual attention to kids, customize projects based on their interests and make them fall in love with AI & Coding, enabling them to also perform well in other subjects in school.**





# Foundation of Codingal's curriculum

## **BLOOM**

Bloom's Taxonomy is a standard guideline for K-12 content development, which includes 6 stages of learning: Remember, understand, apply, analyze, evaluate and create.

## **BIDE**

The BIDE (Broad, Inspiring, Deep and Efficient) model has been developed by Codingal in-house to ensure that our curriculum caters to the unique learning style of every child.

## **STEAM**

STEAM is an approach to learning that uses Science, Technology, Engineering, the Arts and Mathematics as access points for guiding student inquiry, dialogue, and critical thinking.



## AI & Coding - Gateway to success in the future

“

**Now is a great time to be entering the coding world because technology will change more in the next 10 years than it has in the last 50.**

**- Bill Gates**

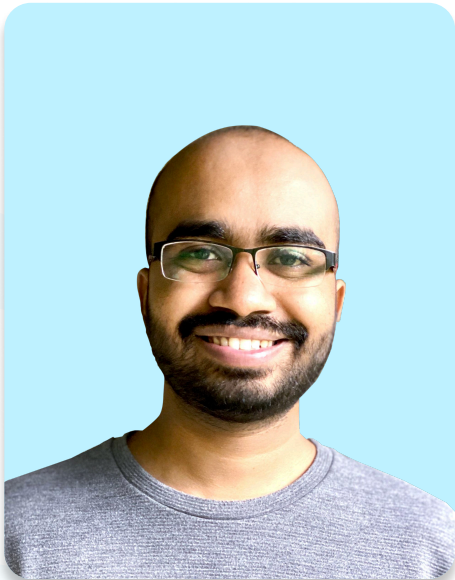
“

**Whether you want to uncover the secrets of the universe, or you just want to pursue a career in the 21st century, basic computer programming is an essential skill to learn.”**

**- Stephen Hawking**



## A note from Codingal Founders



Teaching coding and AI to kids is a profound responsibility. Our dedicated educators and meticulously crafted curriculum reflect our deep understanding and commitment to nurturing future innovators.

### **Vivek Prakash**

Co-founder & CEO  
B.Tech & M.Tech, IIT Roorkee



Learning to code is not just about reaching new heights like going to Mars or the moon. Coding, along with AI, equips kids with the skills to think critically and creatively, empowering them at multiple levels.

### **Satyam Baranwal**

Co-founder & COO  
B.Tech, IIT Dhanbad





Begin your child's AI & coding journey today

Is your child ready for the future?

Visit [www.codingal.com](http://www.codingal.com)

Try a free lesson!

Thank You

Built by alumni of

Google

amazon



IIT Roorkee



IIT Dhanbad

In partnership with



IIT Bombay



IIT Guwahati



Hewlett Packard  
Enterprise



BITS Pilani

Accredited by STEM.org



Backed by



Combinator



REBRIGHT  
PARTNERS

Got questions?  
Contact us  
anytime.

Send us a message



[support@codingal.com](mailto:support@codingal.com)



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