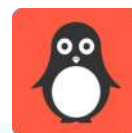


Accredited by



**Codingal**  
Where kids love AI & coding

Grade 3-7

Hello ! Young Coders

# AI Genius: ChatGPT, AI-powered Apps & Games



ChatGPT



PictoBlox



SCRATCH

edublocks



TEACHABLE  
MACHINE



MIT  
APP INVENTOR



thunkable



mBlock





# Enhance Your Understanding of AI with Codingal



**Virtual assistants ( Siri, Alexa )**

At Codingal, we help students explore technology and AI through real-life applications by teaching concepts similar to those used in virtual assistants like Siri and Alexa. Students learn how AI can understand and respond intelligently, giving them a glimpse into how coding shapes the future, making technology more interactive and engaging.

At Codingal, we introduce students to AI concepts similar to those used in self-driving cars. By exploring how AI uses sensors and algorithms to make decisions, students gain a deeper understanding of the technology behind autonomous driving and its real-world applications.



**Self-driving car**



**AI in Healthcare**

At Codingal, we introduce students to AI concepts similar to those used in healthcare technology. By exploring how AI analyzes medical data and assists doctors in diagnosing conditions, students learn how technology can improve healthcare outcomes and transform patient care.

AI in Healthcare



thunkable

Our teachers provide individual attention to kids, customize projects based on their interests and make them fall in love with AI & coding



# 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.

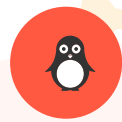
All our instructors come from Computer Science background, and they are rigorously vetted and trained. Every student gets a personalized learning path and individual attention in 1:1 private classes or small group classes with expert instructors. Students learn by building apps, games, animations, and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







## Founder's Note



Block



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





# Codingal empowers kids to become innovators of the future



Bl

## Why should kids learn coding?



Coding is the new literacy.

In recent years, technology has made inroads into all aspects of our lives. We've come to rely on websites, apps and gadgets to help us through the day, be it at work or at home.

Given the enormous role technology is going to play in the future, teaching kids to code is the best way to prepare them for success.

## What are the benefits of learning coding?



- Helps develop problem solving skills
- Boosts analytical and structural thinking abilities
- Enhances creativity and imagination
- Helps find innovative solutions to real-life issues
- Helps develop resilience

## Why this curriculum?



- Accredited by STEM.org
- Rated 4.6 out of 5 by students and parents
- 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



# Foundation of our curriculum

Accredited by



## 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.



thinkable



# AI Genius: ChatGPT, AI-powered Apps & Games -Overview (1)

Step into the world of AI magic! Create cool games and design amazing apps while learning to train AI like a pro. With fun projects and ChatGPT superpowers, you'll become an AI wizard in no time. Perfect for young tech adventurers ready to explore, learn, and have a blast!

8 Modules  
48 Lessons  
48 Quizzes  
50+ Projects  
6 Months Duration



## Course Learning Outcomes

- ✓ Understand basic AI concepts
- ✓ Create AI-powered games
- ✓ Build AI-based mobile apps
- ✓ Integrate ChatGPT
- ✓ Combine AI and creativity



## Achievements

- ✓ Mastery of AI Fundamentals
- ✓ Ethical AI Practices
- ✓ Cross-Platform Proficiency
- ✓ Real-World AI Problem Solving
- ✓ Chat GPT Integration

### Module 1

#### AI Fun With Machine Learning For Kids

Explore AI basics by building simple models for text and sound recognition through fun, hands-on activities.

#### Key Learning Outcomes

- ✓ Learn AI fundamentals.
- ✓ Build activities and games.
- ✓ Use text recognition.
- ✓ Explore sound recognition.
- ✓ Create interactive projects.

🌐 Language:  
Visual Block-Based  
Programming

💻 Platform:  
[Machine Learning for kids scratch](#)

📖 6 Lessons  
& 10+ Projects

### Module 2

#### AI Creativity With Pictoblox

Projects like art generators, music composers, and AI-powered comics. Use AI to express ideas through visual and auditory creativity.

#### Key Learning Outcomes

- ✓ Create AI-generated art
- ✓ Develop music projects.
- ✓ Build creative outputs.
- ✓ Classify doodles accurately.
- ✓ Enhance visual creativity.

🌐 Language:  
Visual Block-Based  
Programming

💻 Platform:  
[Pictoblox](#)

📖 6 Lessons  
& 10+ Projects

### Module 3

#### AI Concepts With MBlock

Dive into object, gesture, and emotion recognition using mBlock. Learn to create projects that respond to voice commands and gestures, bringing AI to life in interactive systems.

#### Key Learning Outcomes

- ✓ Learn object recognition.
- ✓ Explore emotion detection.
- ✓ Build gesture-controlled projects.
- ✓ Use voice commands.
- ✓ Create interactive systems.

🌐 Language:  
mBlock Visual Block-  
Based Programming

💻 Platform:  
[mBlock](#)

📖 6 Lessons  
& 10+ Projects





# AI Genius: ChatGPT, AI-powered Apps & Games -Overview (2)

## Module 4

### Scratch + AI Code 101 - Introduction To AI Models

Learn to train basic AI models, including text and image recognition, and integrate them into Scratch projects. Combine multiple models for advanced interactive experiences

#### Key Learning Outcomes

- ✓ Train image models.
- ✓ Develop text models.
- ✓ Integrate sound recognition.
- ✓ Build chatbot projects.
- ✓ Combine multiple models.

🌐 Language:  
Visual Block-Based  
Programming

💻 Platform:  
[AI Code 101](#)  
[Scratch](#)

📄 6 Lessons  
& 10+ Projects



## Unlock AI Junior Certificate

## Module 5

### Introduction To AI With Scratch + Teachable Machine

Train AI models for image, sound, and pose recognition using Scratch and Google's Teachable Machine to create interactive games and storytelling projects.

#### Key Learning Outcomes

- ✓ Train AI models.
- ✓ Create interactive games.
- ✓ Use sound recognition.
- ✓ Enhance storytelling dynamics.
- ✓ Develop creative projects.

🌐 Language:  
Visual Block-Based  
Programming

💻 Platform:  
[Scratch](#)  
[Teachable Machine](#)

📄 6 Lessons  
& 10+ Projects

## Module 6

### Mobile App Development With AI In Thunkable

Develop real-world AI-powered apps such as translators, voice recognition systems, and image scanners. Use Thunkable to integrate AI models and bring app ideas to life.

#### Key Learning Outcomes

- ✓ Build AI apps.
- ✓ Create translators effectively.
- ✓ Use voice recognition.
- ✓ Develop image-based apps.
- ✓ Integrate AI models.

🌐 Language:  
Blockly JavaScript  
AI Model Integrations

💻 Platform:  
[Thunkable](#)

📄 6 Lessons  
& 10+ Projects

## Module 7

### Real-World AI Applications With MIT App Inventor

Create AI-powered financial literacy apps using ChatGPT, like "MoneyWise," to help users manage budgeting, saving, and smart spending.

#### Key Learning Outcomes

- ✓ Build financial literacy apps
- ✓ Create budgeting tools
- ✓ Develop money management assistants
- ✓ Solve real-world financial challenges with AI

🌐 Language:  
Visual Block-Based  
Programming

💻 Platform:  
[MIT App Inventor](#)

📄 6 Lessons  
& 10+ Projects

## Module 8

### Python AI Projects For Kids

Learn Python basics, build AI chatbots, create personalized greetings, develop quizzes, and use Google API for translation.

#### Key Learning Outcomes

- ✓ Learn Python basics
- ✓ Build AI chatbots
- ✓ Create AI greetings
- ✓ Develop quizzes
- ✓ Use Google API for translation

🌐 Language:  
Block-Based Python  
Programming

💻 Platform:  
[EduBlocks](#)

📄 6 Lessons  
& 10+ Projects

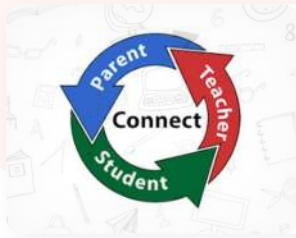


## Unlock AI Genius Certificate





# 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.

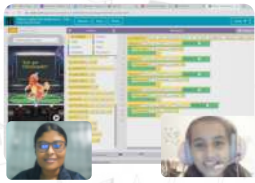


## 5. Learning Certificates

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.



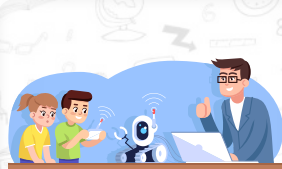
## 8. Lifetime access to resources

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.



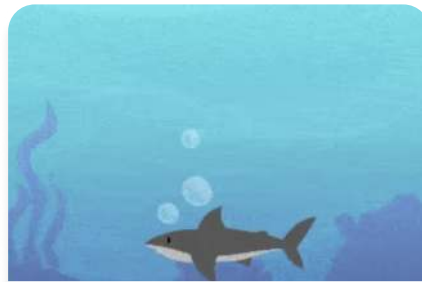
# Innovative projects built by Codingal students



## Scary Diego

Avyakth

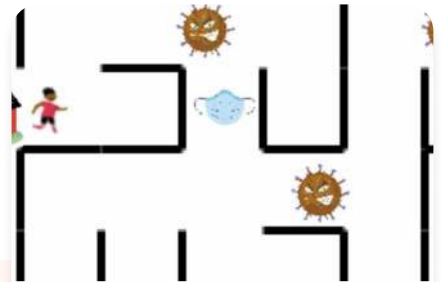
[View Project](#)



## Victory for the shark

Saifiyah

[View Project](#)



## Covid 19 game

Daksh Srivastava

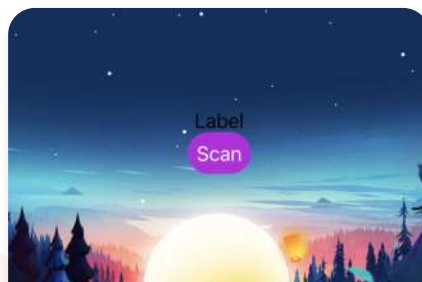
[View Project](#)



## Tank enemy

Sharv Nagar

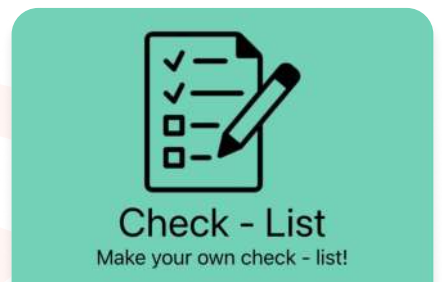
[View Project](#)



## QR Code scanner

Sana Tanti

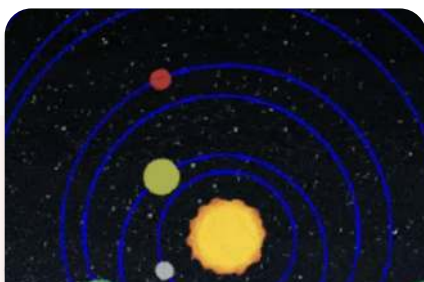
[View Project](#)



## Check-list

Rudra Agarwal

[View Project](#)



## Solar system

Samhith Gurajapu

[View Project](#)



## Frog, snake, and Angel

Bhavi Tushar Chavan

[View Project](#)



## BMI Finder

Aarav Saggur

[View Project](#)



thinkab



# Students and parents love Codingal



**Roopa Tanti**

Codingal parent



Codingal builds a strong foundation and has helped enhance my daughter's confidence and creativity.



**Muhammed Umer Azhaan**

Codingal Student



The best thing about learning coding with Codingal is the teachers who always went the extra mile for me.



**Ira Khandelwal**

Codingal Student



I'm glad I picked up coding at an early age as it has improved my logical thinking and sparked my creativity.



**Ikumi**

Codingal Parent



Codingal's well-structured courses have made coding fun for my son. They're the best and the quickest.



thinkab





# 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**





# Begin your kid's AI & coding journey

## Is your child ready for the future?

Start their AI & coding journey  
with Codingal today.



# 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)