

Website Development

Hello ! Young Coders

Get ready to fall in love with AI & coding

Accredited by





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.

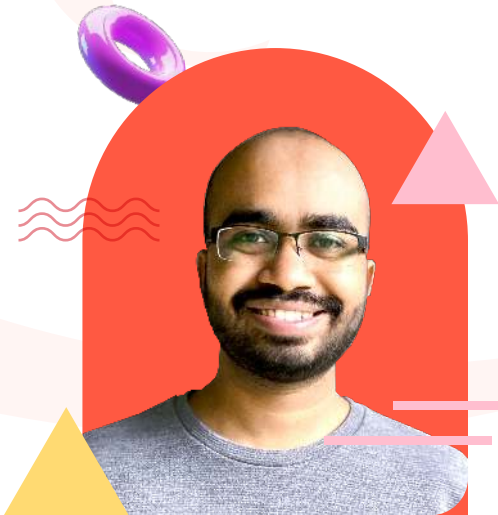




Founder's Note



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



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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

HTML



CSS



JS



thankable



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.



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Covers K-12 Computer Science Framework compliant



Enhance your kid's Math and Science concept with Codingal

Blog

```
Operations on Sets

Show files

Set : {1, 2, 3, 4}
Updated Set: {1, 2, 3, 4, 5}

Set 1 {1, 2, 3, 4, 5}
Set 2 {2, 4, 6}
Difference
{1, 3, 5}
```

Set Operations

Our engineered coding courses cover essential math concepts like prime numbers, factorials, sets, statistics, probability, etc., helping students understand the concepts and implement them in the practical world. It also helps them in building strong logic for problem-solving.

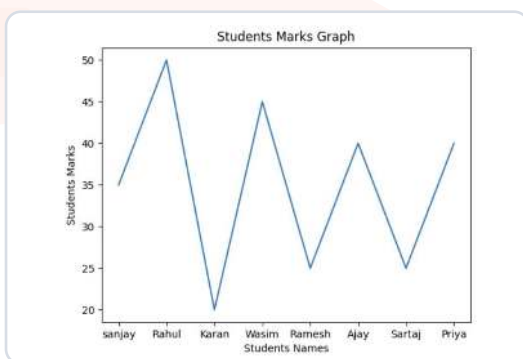
Coders must strengthen their algorithmic and computational thinking to write a line of code that works well and is bug-free. And what is a possible way of thinking at their core? Math.

```
Prime Number Check

Show files

Enter number to be checked :29
29 is a prime number
```

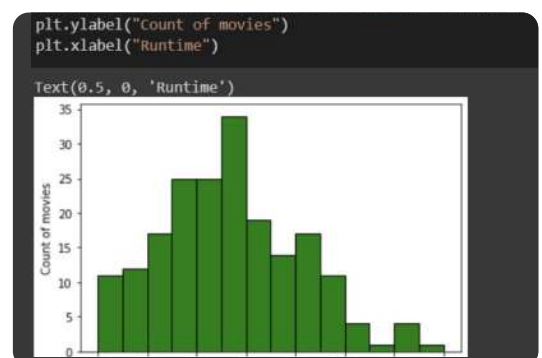
Prime Number Check



Students' Marks Graph

Our teachers provide individual attention to kids, customize projects based on their interests and make them fall in love with Coding, Math, and Science.

With all the data available, Math plays a vital role in identifying various patterns and answering questions to explain human behavior for implementing the same while automating a task. This is where coding and Math go hand in hand.



IMDB Ratings Data Analysis



Website Development Course- Overview (1)

A course to advance your coding skills and learn to build Websites, Web Apps, create GUI, and solve problems using Python.

90 Classes
120+ Projects
90 Quizzes



Key learnings

- ✓ HTML, CSS, and JS
- ✓ Bootstrap
- ✓ Building Web Apps
- ✓ React JS
- ✓ Advance Flask Development



Achievements

- ✓ Critical thinking
- ✓ Boost Confidence
- ✓ Problem Solving
- ✓ Web Development
- ✓ Learning through projects

Featured Projects



Multiplicator App

Create a Multiplicator app using React JS.



Shopping Cart

Create Shopping Cart Website using Flask in python.

Module 1

Fundamentals of HTML

Learn Html & CSS, Build your first web page, the semantics of HTML, Hyperlinks, Lists, Images, video, audio elements, Tables, and Forms, and Create a basic multi-page website.

Language:
HTML

Platform:
Replit

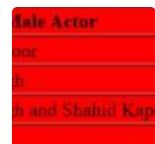
6 Lessons & 15+ Projects

Email ID

Contact Number (This will

Gender
☐ Male
☐ Female

Personal
Detail
Form



Tables in
HTML

Module 2

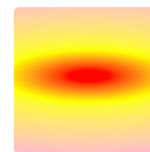
Fundamentals of CSS

Learn to embed CSS in HTML, SVG, Cascading effect.CSS resets,The box model, Positioning with floats, Positioning with inline blocks.

Language:
HTML and CSS

Platform:
Replit

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Background
Effects

Images will float to the right in the page.
It is a clearing element used for underlines

Float in
CSS

Module 3

Bootstrap 4

Learn Bootstrap and Get Started with Containers, Grid Basic, Typography, Colors, Badges, Progress Bars, Spinners, Pagination, Carousel, Scrollspy, Bootstrap 4 Grid.

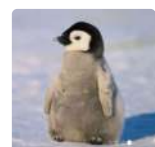
Language:
HTML and CSS

Platform:
Replit

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User Name
Cards



Carousel



Website Development Course- Overview (2)

Module 4

Project on HTML,CSS,JS & Bootstrap

Learn to build Basic Web Apps like Guess the number, dice game, bank app, portfolio website, drum app, pizza app, simple calculator, shopping cart, etc.

Language:
HTML, CSS, and JS

Platform:
Replit

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Calculator



Social Media



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Module 5

Introduction to JavaScript

Get introduced to javascript with Syntax guide and commenting, Variables, Operators, Objects, Array, Method, Call Stack, Methods, Loops, Switch, and Functions.

Language:
HTML, CSS, and JS

Platform:
Replit

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Call Stack



Form validation

Module 6

Brief about JS

Know more about javascript- Data types, keywords, conditional statements, class, inheritance, array sorting, Regular expression, Error handling, JSON, Call back, Async / await, API, and Cookies.

Language:
HTML, CSS, and JS

Platform:
Replit

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Calculator



Error Handling in JS

Module 7

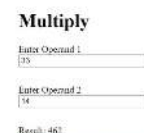
React JS

Get Introduced to React Js, React render HTML, JSX, Render JSX, Props in React, State in React, Events in React, Forms in React.

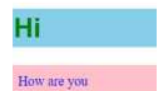
Language:
HTML, CSS, and JS

Platform:
Replit

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Multiplicator App



React CSS



Unlock Frontend Developer Certificate



Website Development Course - Overview (3)

Module 8

Python Introduction

Learn the basics of Python like Data types, Conditionals, Loops, and Functions.

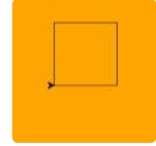
Language:
Python

Platform:
Replit

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Rainbow
Spiral



Square on
Canvas

Module 9

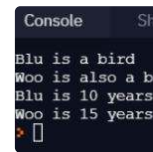
Advance Python

Learn about data structures and object-oriented programming. Create various programs using these concepts

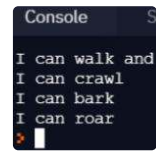
Language:
Python

Platform:
Replit

6 Lessons & 20+ Projects



Parrot
Bird



Animal
Class



Unlock Python Programmer Certificate

Module 10

Specialization in Python

Learn File Handling and Operations on file using Python. Also learn how to use Tkinter library in python.

Language:
Python

Platform:
Replit

6 Lessons & 20+ Projects



Denomination
Calculator

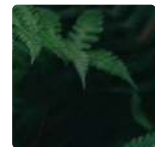


Image makes
it better

Module 11

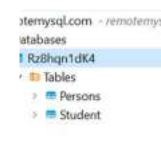
SQL + Node.js

Get Introduced to NodeJS, Modules in NodeJS, HTTP Module in NodeJS, SQL in NodeJS, Database, Connect to DB from NodeJS.

Language:
JS and SQL

Platform:
Replit

6 Lessons & 15+ Projects



Creating
Databases



SQL
Queries

Module 12

SQL

Learn basic concepts of SQL- Database creation, tables, INSERT, SELECT, Order by, UPDATE, and all the important queries in SQL.

Language:
SQL

Platform:
Replit

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External
Private
Storage



View
Data



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Website Development Course - Overview (4)

Module 13

Firestore

Get introduced to Firestore, Firestore Authentication, Authentication using email/password, Firestore Realtime Database, and Firestore Hosting.

Language:

JS

Platform:

Replit

6 Lessons & 15+ Projects

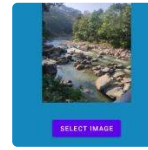


Image Storing App



Maps in App



Unlock SQL Developer Certificate

Module 14

Python Flask

Understand the concept of Flask in python, and make interactive apps using Flask.

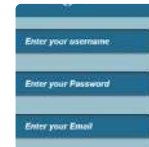
Language:

Python

Platform:

Replit

6 Lessons & 15+ Projects



User Application



Location Map

Module 15

Advance Flask Development

Learn about the complex functions and concepts in the flask.

Language:

Python

Platform:

Replit

6 Lessons & 15+ Projects



Flask Mail



Shopping Cart



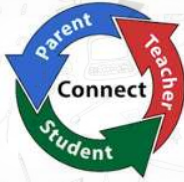
Unlock Backend Developer Certificate



thunkab



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.



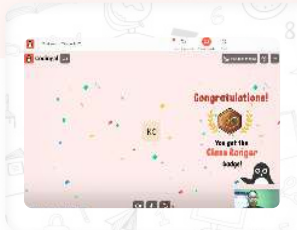
7. Lifetime access to class videos

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



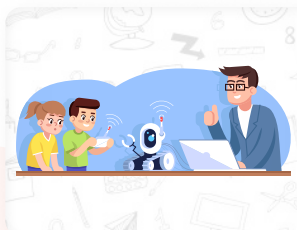
8. Lifetime access to resources

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.



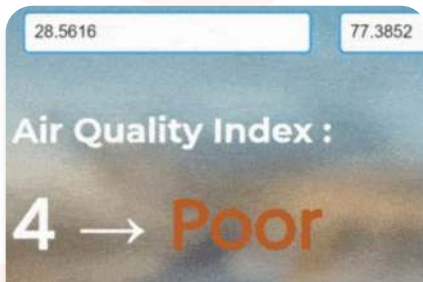
10. After class projects

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



AirQuality

Hussain Wangrelwala

[View Project](#)



Climate change effects

Shambhavi Barnwal

[View Project](#)



Food recipe

Shobhita

[View Project](#)



Cov-Fight

Ansh Singh

[View Project](#)



Fight against Corona

Yuvraj Naik

[View Project](#)



Climate change website

Aditya Verma

[View Project](#)



Premier League

P.Anarghya

[View Project](#)



Reduce, reuse and recycle

Aditya Kumar Gupta

[View Project](#)



Students and parents love Codingal

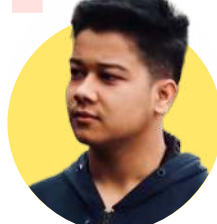


Razzaq Ahmed

Codingal Parent



I love the way teachers provide a fully personalized learning experience to prepare my child for a bright future.



Aaditya Khanal

Codingal Student



Codingal is an incredible platform for students looking to learn to code. It has helped me become an accomplished coder by making the learning process fun and interactive.



Nishika Parikh

Codingal Student



I like that I can customize and pace my learning journey according to my comfort with Codingal.



J.D sharma

Codingal Parent



The teachers at Codingal are highly qualified and patient. The curriculum at is thoughtful. Thank you Codingal for making my kid learn to code interactively.



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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.



thunko

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



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