



# KURIOS

Kurios is on a mission to inspire students to learn programming, a skill which is pervasive, applicable across domains and is a civil right of the 21<sup>st</sup> century. We promote computational thinking and design thinking in students to enable them to be problem solvers, strategy designers in addition to being able to program.

The curriculum is designed and built by experts in industry, computer science education and K-12 education space. Coding helps promote problem solving and logic development.

Coding jobs already constitute more than 60% of the jobs in STEM sector. In a decade, today's students will face unseen challenges and will have to work in jobs that don't exist today. Coding along with Computational and Design thinking will help them be future ready. Training at young age will help you learn quickly, provide base for brain's organizational development, development and functioning and will impact social and emotional abilities.

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## How are we different from other coding platforms?

### #1 Higher product quality and learning experience

We do not spam and hound you with calls and promotion emails. Student experience and learning will do the promotion

### #2 Personalized Curriculum and Learning pace

Every child is special and has different learning requirements. We customize as per the needs and learning rate.

### #3 Positive, Fun, Engaging Environment

We provide an active learning environment which includes two-way interactions and activities

### #4 Learning from Professionals

We ensure your child learns from professionals with computer science background

### #5 Not just Coders but Problem Solvers and Innovators

Tomorrows challenges are unpredictable. We skill your child in computational thinking and design thinking along with coding to be future ready

### #6 Dive into Safe Technologies

Your child gets exposure to digital safety and hands-on experience on internet of things – an important technological advancement in 21<sup>st</sup> century

## Master Series - What would the students learn in grade 4-5?

**Achiever**  
8 Sessions

**Course**  
Fundamentals of Coding and Computational Thinking

**Curriculum**  
Aspects of problem solving and innovation, logic building, Sequencing & Algorithms, Inputs and Outputs, Story Telling

**Activities**  
20+ activities and 2 quiz

**Skillset gained**  
Problem solving, perseverance, ideation, animated story

**Achievements**  
Rising Coder certificate, post course support for extended learning, lifetime community access

**Content Delivery**  
1 Workbook and online classes

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₹5000/-

**Champion**  
30 Sessions

**Course**  
Logic building, Game and App development

**Curriculum**  
Loops, Operators, Animations, Basic java script, App Development, Algorithms, Computer networks and internet

**Activities**  
30+ activities and 7 quizzes

**Skillset gained**  
Algorithmic and Critical Thinking, Digital Literacy

**Achievements**  
Coding champion certificate, post course support for extended learning, lifetime community access

**Content Delivery**  
1 Workbook and online classes

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₹8000/-

**Scholar**  
50 Sessions

**Course**  
Computational Thinking, Advanced Coding, Game and Web development

**Curriculum**  
Nested Loops, Functions, Testing and Debugging, Web Development, Cryptography, Mathematics and Science through coding, Python with turtles, Portfolio creation

**Activities**  
60+ activities and 12 quizzes

**Skillset gained**  
Critical thinking, Analytical skills, Building projects with confidence and sharable value,

**Achievements**  
Coding Scholar certificate, post course support for extended learning, lifetime community access, student project posted on open-source community

**Content Delivery**  
1 Workbook and online classes

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₹15000/-

# Achiever

## Fundamentals of Coding and Computational Thinking

<u>No. of Classes</u>	<u>Age Group</u>	<u>Grade</u>	<u>Activities</u>
8 Classes	9-10 years	4-5	20+ activities and 2 quizzes



### Skilling

- Logic Building
- Computational Thinking
- Foundation of coding
- Native Thinking



### Achievements

- Certificate
- Post course support for extended learning
- Lifetime community access



### Price

₹5000/-

Module	Course	Topics Covered	Learning Outcomes
M1 (8 Sessions)	Fundamentals of coding and computational Thinking	What is Computational Thinking, Abstraction, Problem-Decomposition, Pattern Recognition, Algorithmic Thinking Blocks, Scripts	Students will learn basics of programming - commands, blocks, scripts and will be familiarized with the computational thinking approach.

# CHAMPION

## Logic building, Game and App development

<u>No. of Classes</u>	<u>Age Group</u>	<u>Grade</u>	<u>Activities</u>
30 Classes	9-10 years	4-5	30+ activities and 7 quizzes



### Skilling

- Basics of Python
- Animations
- App development with javascript
- Critical thinking
- Ideation,



### Achievements

- Certificate
- Post course support for extended learning
- Lifetime community access



### Price

₹8000/-

Module	Course	Topics Covered	Learning Outcomes
M2 (5 sessions)	Python Programming- I	Data types, Variables, Operators, logical and conditional programming	Students will learn advanced concepts of python programming - variable, mathematical and logic operators and decision making.
M3 (4 sessions)	Animations	Turtle graphics, canvas, shapes, vectors, animating objects	Students will understand basics of graphics and animations.
M4 (4 sessions)	JavaScript- I	Input-output, events, loops	Students will design the browser based activity games using JavaScript concepts.
M5 (3 sessions)	App Development	Algorithms and control statements in java scripts	Students will understand the control statements in JavaScript and use them in combination with different algorithms for app development.
M6 (3 sessions)	Digital Literacy- I	Computer network-topology, Internet, malware	Students will learn the basics of digital information, network structures, and internet and security

# SCHOLAR

## Computational Thinking, Advanced Coding, Game and Web development

<u>No. of Classes</u>	<u>Age Group</u>	<u>Grade</u>	<u>Activities</u>
50 Classes	9-10 years	4- 5	60+ activities and 12 quizzes



### Skilling

- Python Programming
- Web designing
- Analytical thinking
- Perseverance



### Achievements

- Certificate
- Post course support for extended learning
- Lifetime community access



### Price

₹15000/-

Module	Course	Topics Covered	Learning Outcomes
M8 (5 sessions)	Python Programming - II	Nested loops, functions, testing and debugging codes.	Students will learn the python concepts - iterations, modules and functions and use them for writing advanced programs. They will learn to test and maintain the code.
M9 (5 sessions)	Web-Development	HTML, web pages, static websites.	Students will understand web designing and develop own website using basic web development tools.
M10 (4 sessions)	Python Programming - III	Python with Turtle	Students will learn to code in python with turtle. They will learn and use advance concepts like graphics, colors and geometry in their code.
M11 (3 sessions)	Cryptography	Encryption, decryption	Students will understand the basics encryption and decryption algorithms and implement them to develop cryptography systems.
M12 (3 sessions)	Project building	Project building	Students will develop their own coding projects based on problems in mathematics and basic sciences.