

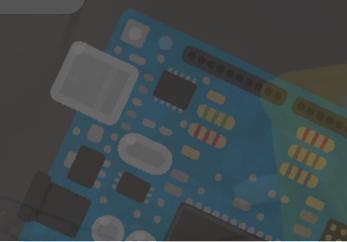
Programming Foundations for AI & Robotics

For CBSE, ICSE & State Board Learners (Grades 4-12)

Hands-on learning for future technologies.

conducted by  **Knowledgepitch.**

Facilitated by
Bharatha Matha Private ITI, Punalur



The world is changing fast. Children who understand technology early gain confidence, creativity, and a true advantage for future careers.

Why Future Skills Matter Today



Education Gap

Traditional schools teach theory. Modern careers demand practical skills in coding, robotics, and AI.



Fast-Changing Tech

By 2030, 65% of jobs will require technical skills that most students aren't learning today.



Hands-On Learning

Reading about robots isn't enough. Students need to build, code, test, and debug real systems.

Our Approach: Learn by Building



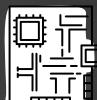
Project-Based Learning

Every concept is taught through real projects. Build robots, create games, train AI models.



Small Batch Sizes

10/15/30 students per batch ensures personalized attention and hands-on guidance.



Equipment Access

Arduino boards, sensors, robotics kits, and laptops provided during training sessions. Real hardware in every session



Structured Progression

Clear learning paths from basics to advanced. Start where you are, grow at your pace. Guidance from experienced instructors

Students develop.

 communication and presentation

 engineering thinking

 coding fluency

 problem-solving





Knowledgepitch's Progression

Children start with block coding and robotics basics, and gradually advance to Python and real engineering-level robotics foundations.

2025 → Basic Coding

2028 → Robotics & AI in School Curricula

2030 → Tech Skills in Most Careers

Start at the level that matches your current skills. No need to begin from scratch if you're already ahead.

- No prior experience required.
- Students are guided step-by-step.

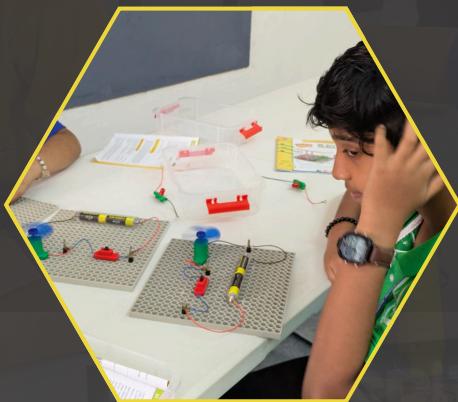
Choose Your Learning Path

Our approach focuses on learning by building:
Build → Code → Test → Improve → Present

Level S1: Block Coding & Computational Thinking (Grades 4–8)

Level S2: Robotics & Electronics Fundamentals (Grades 9–12)

Advanced Track: Python & AI Foundations (optional continuation)



Students may continue between levels as they progress.



Materials & Equipment

- All robotics kits, sensors, microcontrollers, and laptops are provided during sessions.
- Students do not need to purchase equipment separately.

Program Details

Hands-on sessions designed to help students build and code real robotics projects while learning key programming concepts.

Scan and start your journey



Please contact us via WhatsApp or mobile at

+91 9847609508

submit your query by scanning the QR code.

Duration:

Batches: weekday/weekend options
weekend classes :4 hours/week
Regular batches :4 hrs per day

Seats are Limited
To ensure hands-on guidance, batch sizes are capped.
Early enrollment recommended.

Program Fees

- Starting ₹1,500/month

Venue

 **Bharatha Matha Private ITI, Punalur**

