

MAKING STUDENTS AI-READY



# SUMMER "AI-BOTICS" CAMP!

2025

## AI, Robotics, IoT, & 3D Printing

This Summer turn towards Emerging Technologies to have a fun-filled experience. Data Science and AI are evolving as essential skills for students to be relevant and future-ready. Give a chance to your child to catch up and engage with emerging technologies. This mentor-led program includes Career Building Assessment and counselling.



**3-Weeks Duration**



**15 Sessions**



**45 Hours Engagement**



**Online & Offline Options**



**Mentoring & Internship**



**Trainer-Led**



**Dashboard & Videos**



**Real-life Projects**



**Certification**



**Varying Challenges**



**FREE Career Assessment**



**"Convert Digital Inclination  
to Digital Skills"**

# ABOUT THE CAMP

AI Program focuses on teaching children the concepts of Emerging technologies along with hands-on experience, using both Block and text coding. This unique combination helps students not only have fun but also gain serious coding skills. Why stop with Block coding when students could solve real-time social problems using AI solutions? Project-based learning is the key to effectively transforming knowledge into skills. Through this program, we intend to transform the students' perception and approach towards Artificial Intelligence.

## LEARN AT YOUR CONVENIENCE

Select **ONLINE** or **OFFLINE** option as per your learning needs. Online students receive a kit on a returnable basis. Mentors would guide students through project-based learning helping them to understand concepts with clarity.



**Kit-based Learning**  
(Online & Offline)

₹ 13,500

- Kit-based Learning
- Receive Kit on Returnable Basis
- Refundable Deposit Included
- Join Live Online Sessions
- Complete Projects & Showcase
- Dashboard with Videos
- Internship Option

**ONLINE MODE**

₹ 11,500

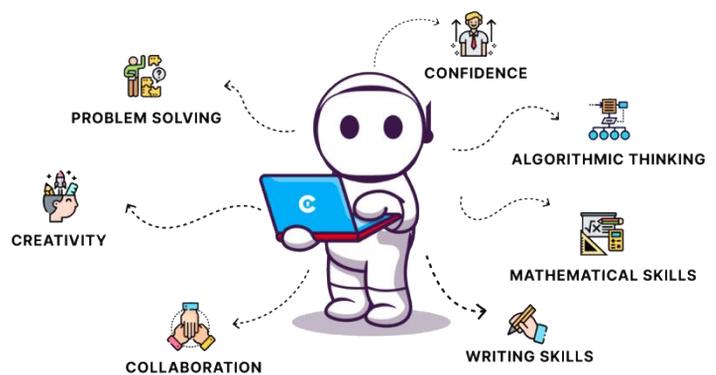
- Attend Live Sessions in-person
- Hardware & Equipment included
- Work with Peers & Learn
- Individual and Group Projects
- Dashboard with Videos
- Daily and Weekly Assignments
- Internship Option

**OFFLINE MODE**

Electronics | CODING | Robotics | IoT | ML & AI | 3D Printing

## WHY AI FOR STUDENTS

AI is not just for science-inclined students. It is an essential technical skill for all 21<sup>st</sup>-century children. No career in the world that has not benefited from AI solutions. Be it Astronomy, Marketing, or Healthcare organizations are investing heavily in AI technologies. This makes it relevant for the students to acquire these skills, irrespective of their career choices. Learning AI builds holistic skills in the students which would be handy in solving life and societal problems, to be a true global citizen.



### ENROLL

Summer camp was specifically designed for you to step into the world of Artificial Intelligence

### LEARN

Program covers essential concepts and technology to make you AI-ready

### ENGAGE

Trainer led program with project based learning to engage you with relevant skills.

### AIMGOOD

Showcase your learning by solving the real-time social problems using AI solutions



# Detailed Curriculum

## Week1: Robotics

### Day 1 - Basic Electronics & Sensors

Learn essential Basic Electronic concepts, work with Sensors and Modules and get ready for Robotics.

### Day 3 - 10 Microcontroller Projects

Solve 10 real-life problems using Microcontroller, Sensors, Modules and coding.

### Day 2 - Microcontroller & Programming

Get introduced to a Microcontroller (Robocon) and learn about concepts and IDE and Programming

### Day 4 - Robotics & Bot Building

Time to build Robotics - Obstacle Avoider and Wall Follower to learn on how to bring bots to life.

### Day 5 - Advanced Humanoid Bots

Intro to Humanoid Bots & Working with ZooP. Learn robo-skeletal arrangement. Build Pit Avoider bot.

## Week2: IoT & 3D

### Day 6 - Intro to IoT & ESP32

Let's learn about the Internet of Things and advanced microcontrollers to build the necessary skills.

### Day 8 - 3D Printing & Tinkercad

Learn about the additive type of 3D printing technology and one of the user-friendly design applications.

### Day 7 - SMART Home & Home Automation

Witness a Demo of SMART home to understand the concept along with Home Automation to differentiate them.

### Day 9 - Real-time 3D Designing

Design and print prototype showcasing your creativity to understand the power of 3D printing technology

### Day 10 - Python Programming

Start learning Python through Block Coding to solve real-life problems through code.

## Week3: AI Freshman

### Day 11 - Getting Serious with Python

Learn advanced Python concepts and get prepared to learn ML/AI concepts.

### Day 13 - Intro to CV & Applications

Understand the Computer Vision Concepts to recognize items and people. Witness the CV-Sort bot in action. .

### Day 12 - AI Introduction & Concepts

Explore the world of AI and its possibilities. Learn about Perceptron and how Neural Networks are built.

### Day 14 - AI4Good, AI Ethics & Biases

Learn to use AI to solve real-world problems. Also, learn about Ethics & Biases to create good AI applications.

### Day 15 - Project Submission & Certification

Time to wrap up our learning by showcasing projects and presentations. Time to felicitate and certify the participants.



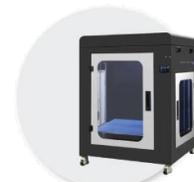
Artificial Intelligence



Bot Building & Coding

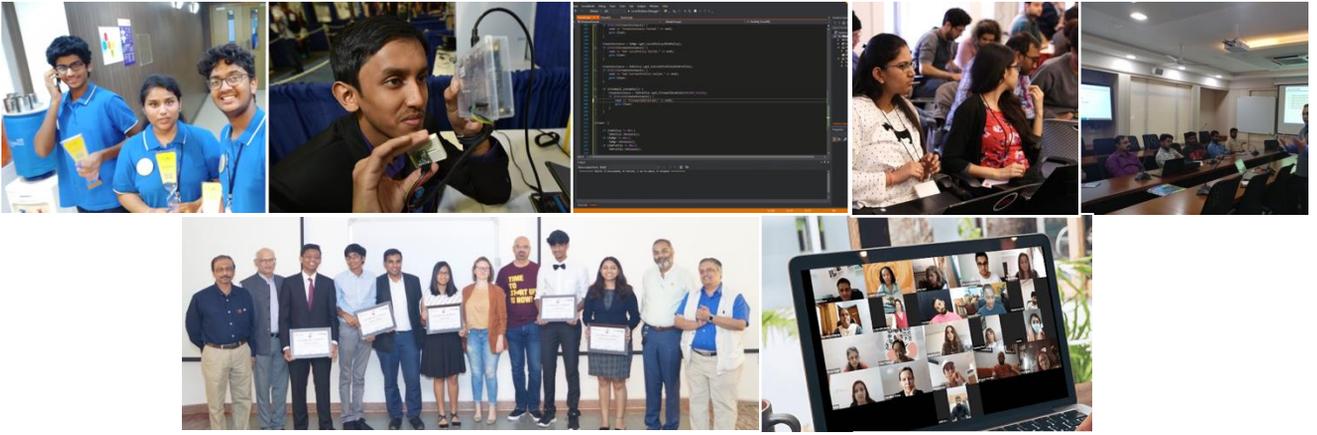


SMART Home Project



3D Design & Printing

“Get Qualified for Hackathons & Internship Program



- ▶ **3-Weeks, 15 Sessions**
- ▶ **5 Essential Modules**
- ▶ **Online Trainer-led**
- ▶ **Mentoring & Support**
- ▶ **45 Hrs Engagement**
- ▶ **Hybrid Learning**
- ▶ **AI4Good Projects**
- ▶ **Certification & Goodies**

**ENGAGE | APPLY | EXCEL**



+91 9949296431      hello@schoolforai.com  
www.aitinkr.com

## 5 Core Areas of AI Applications

Simplifying the understanding of the purview of AI through analysis of its 5 core applications, thus simplify the learning and encouraging experiential learning – Explore the world of AI from Data Science to Deep Learning.



**SCAN TO REGISTER**



**Gifts, Scholarships, Internships for grab**

