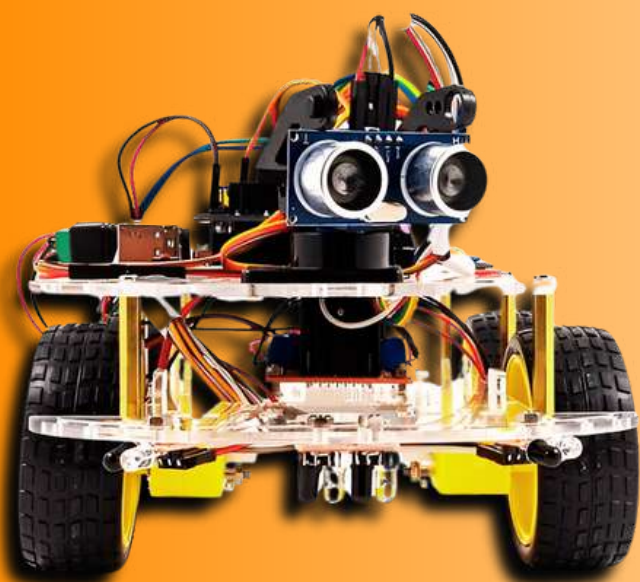
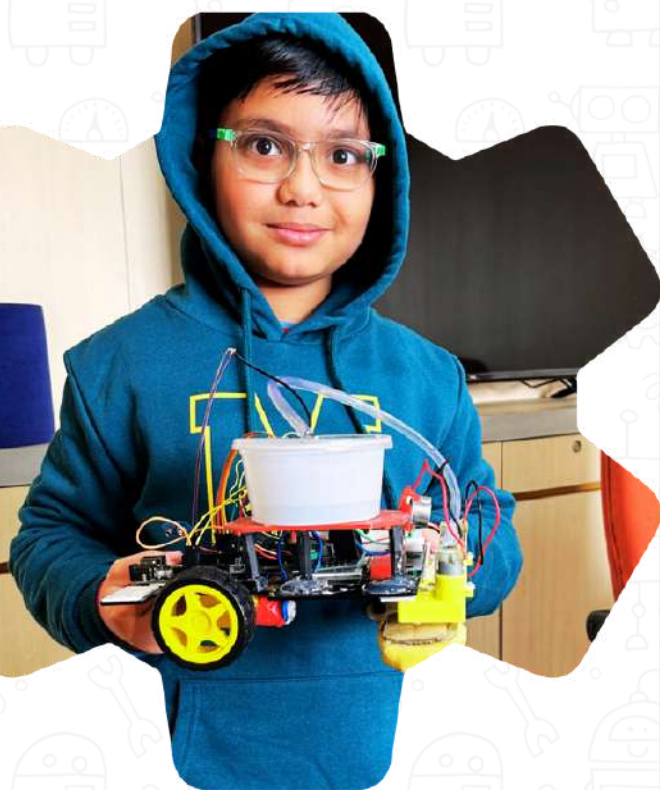


Robotics Summer Camp

For Grade:
6th to 12th

Create with Curiosity

Your **Robotics** Adventure
Begins Here



Who we are?

Founded in 2019 by IIT Delhi alumni and professors, Rancho Labs is committed to sparking student interest in technology through **hands-on learning** in **AI, Coding, and Robotics**. Backed by IIT Delhi's Technology Innovation Hub, we've earned the trust of **10,000+ parents** and **innovators** worldwide with our impactful programs.



4.9/5

Average Rating by
Parents



10 +

Research Papers
Written



700 +

Innovations
Projects



50 +

Competition
Winners



***"From wonder to wisdom
Rancho Labs leads the way!"***





RANCHO LABS



Backed by
IHFC, IIT Delhi

About Program

At Rancho Labs, kids don't just learn—they create. Through hands-on, project-based learning in **Robotics, AI, and Electronics**, we spark creativity and build **real-world STEM skills** that for tomorrow's challenges.



Learning Outcomes



Learn **3D Design, Circuits** and its programming



Develop **5+ hardware** projects during the camp



Develop **20+ programs**



Understand how to apply Coding and Robotics concepts in **real-life case scenarios**



Solve **interesting challenges** using coding and design thinking





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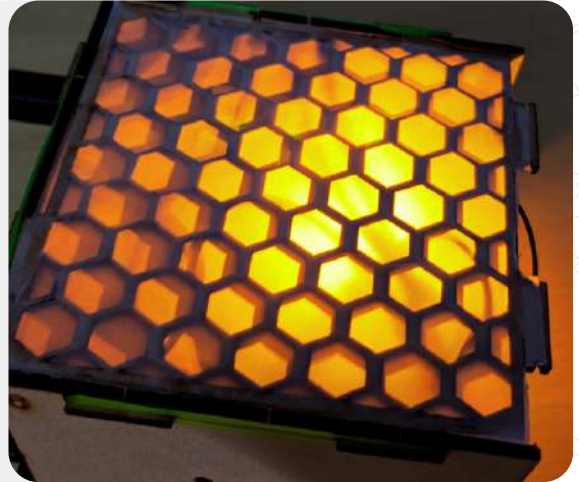
Camp Schedule

(2 hours each)

Session 1

Dance Floor

- Introduction to Robotics
- LED Blinking using Arduino
- Programming with mBlock



Session 2

3D Designing A Calli Cat

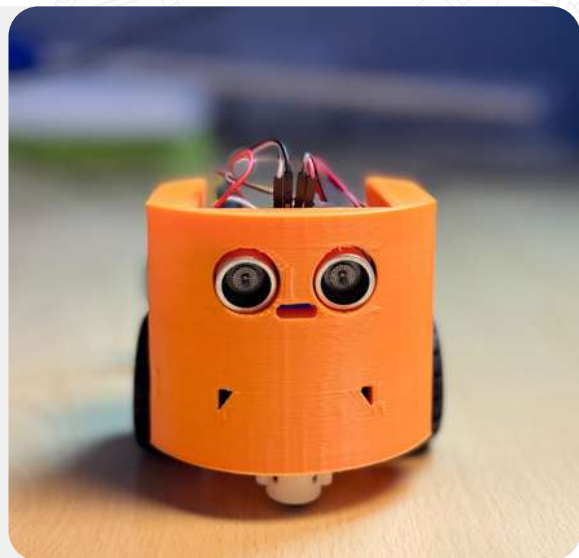
- Explore 3D Design Tools & Workspace
- Shape Manipulation Techniques
- Creative Build: 3D Calli Cat



Session 3

Grid Bot

- Basics of Electric Vehicles
- Motor Control using Arduino & Tinkercad
- Build & Code Your Own Electric Car





Camp Schedule

(2 hours each)

Session 4

Speed Detector for Cars

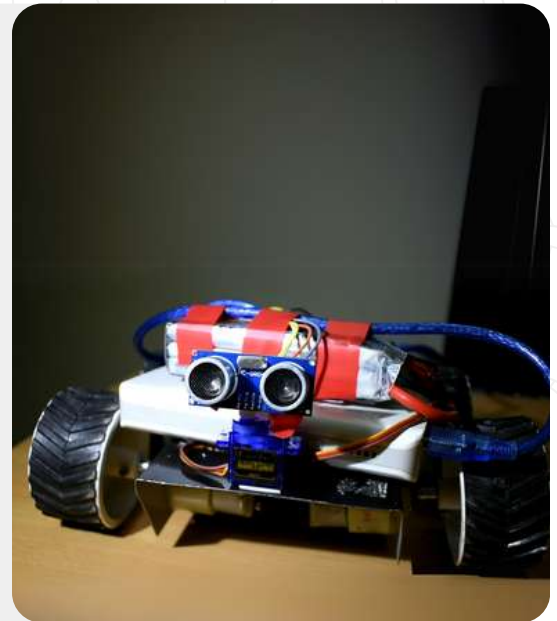
- Introduction to Sensors & Ultrasonic Detection
- Code & Test Ultrasonic Sensor
- Build a Speed Detection Project



Session 5

Obstacle Avoiding Car

- Understand Obstacle Avoidance Concepts
- Using Ultrasonic Sensor for Obstacle Detection
- Build a Fully Functional Avoider Car



Session 6

Convocation & Car Challenge

- Path Finder Programming Challenge
- Code Navigation for Obstacle Course
- Apply Design Thinking in Robotics





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Certificate of Completion



RANCHO LABS



TECHNOLOGY INNOVATION
HUB OF IIT DELHI

Certificate of Completion

IS AWARDED TO

Sana Muti

on successful completion of

CODING, ROBOTICS & AI SUMMER- CAMP

Held from 3rd June to 8th June by Rancho Labs backed by Technology Innovation Hub of IIT Delhi (IHFC)

During the Summer camp, Sana explored core concepts of robotics, electronics, and 3D designing. They built and programmed real-world projects like a Dance Floor, Grid Bot, Speed Detector, and an Obstacle Avoiding Car. They also designed 3D models, understood electric car mechanics, used ultrasonic sensors, and participated in a final rover challenge to apply their learning creatively.

Anshul

ANSHUL AGRAWAL
Co-Founder, Rancho Labs



Amman Kumar

AMAN KUMAR
Co-Founder, Rancho Labs

Certification by **Rancho Labs** &
**Technology Innovation Hub of
IIT Delhi**





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Robotics Kit



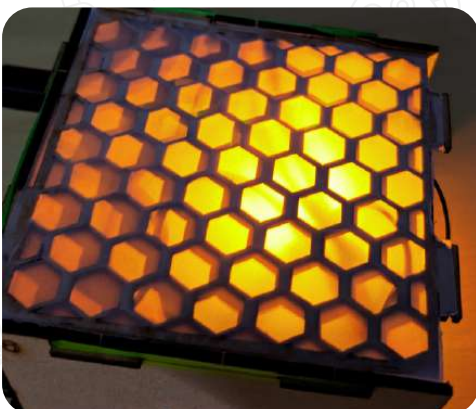
Electronics & 3D prints



Cut out for Speed Detector



3D printed Bot Body



Cut out for Disco Floor



3D printed Calli Cat

Kit worth Rs 5,000/-



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Fee Structure



Online Fee: Rs.12,500/-

Note: The kit will be delivered to your address in 5 to 7 days

**Online Early
Registration**

**Discount
20%**

Parents who register
their child early get a
20% discount.

[Get Started](#)

**Offline Early
Registration**

**Discount
16.66%**

Parents who register
their child early get a
16.66% discount.

[Get Started](#)

Club 1

**Discount
20%**

Those who club one
camp with any other
camp will be eligible
for a 20% discount.

[Get Started](#)

**Sibling or Referral
Discount**

10% off





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Discover more Programs



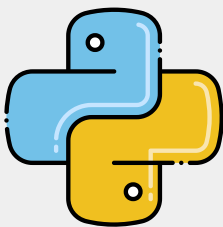
Game Development Camp

For Grade 3- 5 | 6- 12



Drone Summer Camp

For Grade 6-12



Python Programming Summer Camp

For Grade 6-12



Web Development Camp

For Grade 6-12



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Proof of Excellence



I am incredibly grateful to Rancho Labs and the entire team for providing such an engaging and inspiring robotics program for young minds. My daughter, Ivana Gupta, has truly enjoyed every session. The hands-on learning, the practical exposure, and the encouraging teaching style have sparked a genuine interest for technology in her.

It's been heartening to see her excitement after each class and the confidence she has gained. Thank you for nurturing curiosity and laying such a strong foundation for the future.



Neha Gupta

Mother of Ivana Gupta

Director, PwC India



Proof of Excellence



My son Rinawma, 12 years, is a special needs child. I am so happy to enroll him in Rancho Lab's Robotics class. He enjoys the classes by Dhananjay who's a gentle and patient teacher. I am impressed by the young and energetic staff that have guided us through the registration process and willing to lend a patient ear to all our queries. I am especially pleased that they allow for rescheduling of classes in case I, a working mother, cannot take him to class because of work commitments.



Kooki Ralte

**Mother of Rinawma
Chawngthu**

**Asst. Professor, Dept of
English, PGDAV College,
University of Delhi**



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Proof of Excellence



Rancho Labs has been an incredible learning partner for my son, Bhavik, over the past two years. Their structured approach to teaching coding and AI has not only strengthened his technical skills but also helped him develop logical thinking and a problem-solving mindset. The emphasis on design engineering and real-world applications has given him a strong foundation for the future. We truly appreciate their dedication to nurturing young minds and making learning both engaging and impactful. Thank you, Rancho Labs, for inspiring and empowering the next generation of innovators!



Puneet Arora &
Payal Madan Arora

Parents of **Bhavik Arora**

CEO @Advolt Pvt Ltd
CEO@Gofitness

Contact Us

 +91 92051 60865, +91 9871757899

 info@rancholabs.com

 [@rancho.labs](https://www.instagram.com/rancho.labs)

 [RanchoLabs](https://www.facebook.com/RanchoLabs)

 Corporate Office: Rancho Labs, Vishwakarma Bhawan, IIT Delhi, Hauz Khas, New Delhi - 110016

 O-108 1st floor, shopping mall, Arjun Marg, Block E, DLF Phase 1, Sector 26A, Gurugram, Haryana 122002

Tech Journey Begins Here

