Coding, Robotics & AI Workshop

A two day workshop for kids to kickstart their journey in the field of Coding, Robotics, Games and Apps.

EDC
IIT DELHI

RANCHO LABS

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About Rancho Labs

We are a group of passionate individuals committed to offer a memorable and impactful learning experience to students.

Started by IIT Delhi alumni and professors in 2019, we are a company that aims to ignite curious minds and shed light on lucrative career paths in AI, coding, and robotics through experiential learning.

Today, Rancho Labs is a trusted community of 10000+ innovative minds.

Our **Team**

Anshul Agrawal
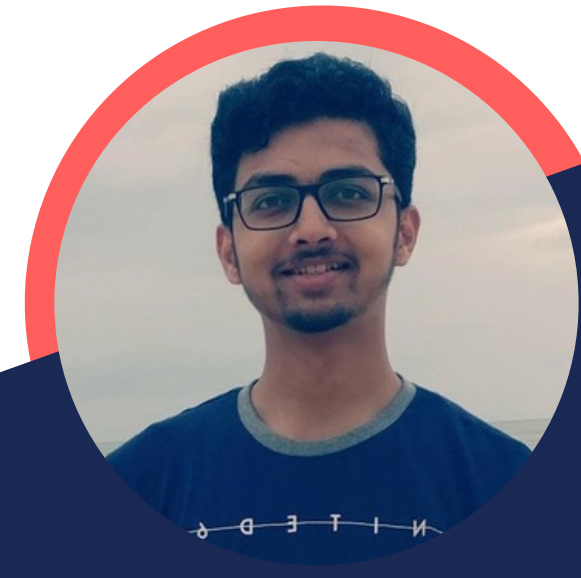
Founder, Rancho Labs

Mechanical Engineer,
IIT Delhi

Aman Kumar

Co-founder, Rancho Labs

Chemical Engineer,
IIT Delhi

Rohan Yuttham

Overall Coordinator Robotics
Club, IIT Delhi
Robotics and Automation
Expert

Our Mentors

Dr. Agam Gupta is a graduate from the **Indian Institute of Management Calcutta** (IIM Calcutta) and **IIT Delhi** Professor. His research areas include platform ecosystems, digital marketing, computational social science, and complexity. His research is featured in several reputed international journals and conferences.

Dr Agam Gupta

IIM Calcutta

Dr. Shweta Singh is a Professor and the Area Chair of Finance at the **Department of Management Studies (DMS), Indian Institute of Technology (IIT Delhi), India**. She is also the co-coordinator of the National Centre on Corporate Governance (accredited by the National Foundation on Corporate Governance **(NFCG)**) at DMS. She has published nearly 100 research papers, journals and participated in national and international conferences.

Dr Shweta Singh
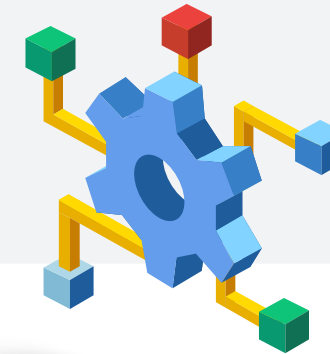
DMS, IIT Delhi

Our Methodology

LEARN

Students learn via live lectures taught by highly qualified mentors. The course is designed based on the curiosity and interests of the students.

BUILD

Each class is followed by a live project to maximize the student's learning. Students master their skills by building projects in a fun way.

INNOVATE

The last few weeks are for the innovation project. Students bring life to their ideas by building innovative sites/apps/games
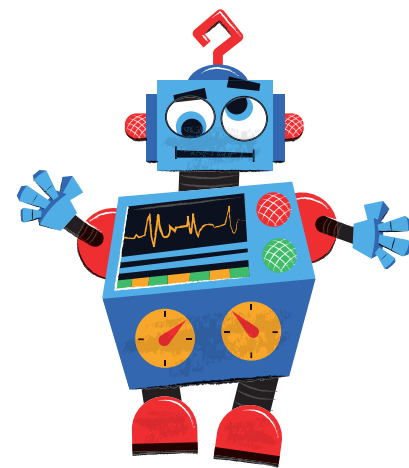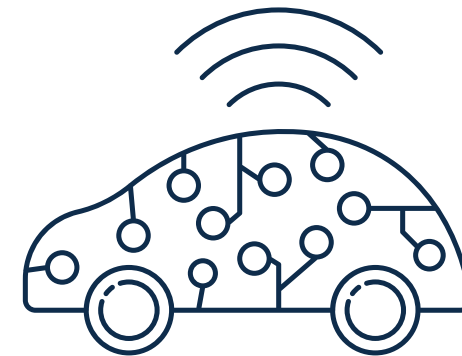
WHAT WILL STUDENTS LEARN?
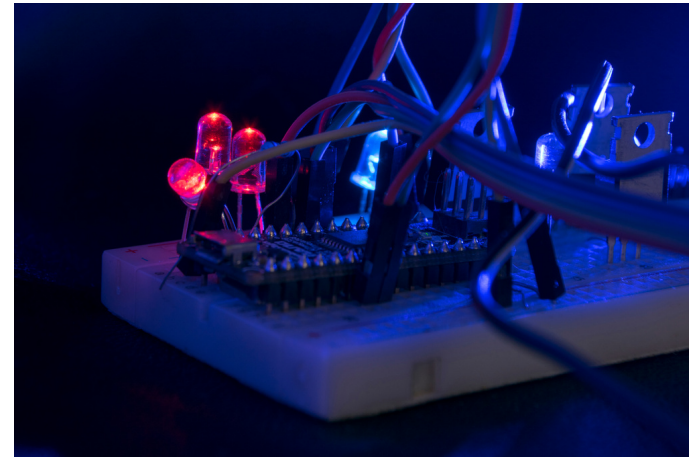

BASIC CODING

ML MODELS & WORKING

BASICS OF ARDUINO

ROBOTICS

ARTIFICIAL INTELIGENCE

WHAT WILL STUDENTS BUILD?

Led Blinking

Diwali Light

Traffic Light Controller

Face Recognition

Workshop Structure

Day	Day 1 (1.5 hrs LIVE Session by IITians)	Day 2 (1.5 hrs LIVE Session by IITians)
Learn	Introduction to Robotics Coding Arduino and circuits	Introduction to AI Algorithms AI Models
Build	LED Blinking Project Diwali Light Projects Traffic Light Controller Project	Face Recognition Project

Registration Process

Step 1: Fill the school registration form to register your school:

https://forms.gle/3FUZbB3xrrJjXmJq5

Step 2: Assign a Coordinator(POC) to take this forward and for day-to-day communication

Step 3: After the school registration, our team will reach out to the coordinator to finalize the suitable date and timings for the workshop

Step 4: After finalizing the date and time of workshop, we will share the registration form with school to be shared with students

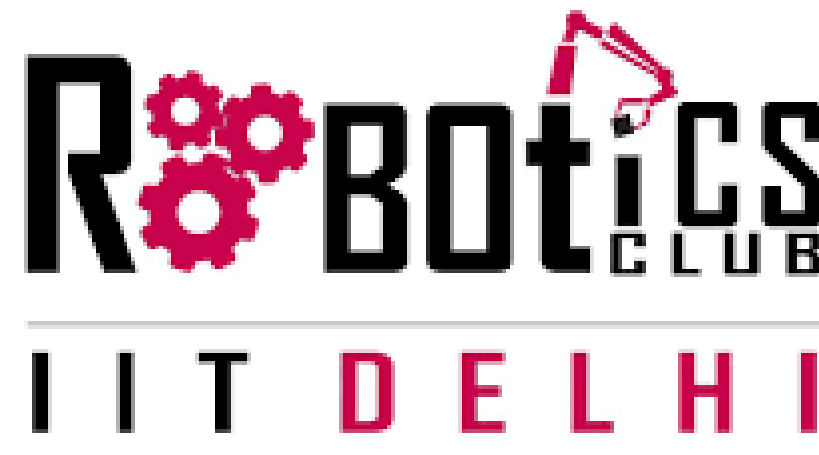Last Date To Register: 31st July 2021

Important **Note**

- Students of grade 6-10 are eligible for this workshop

- Workshop will be completely sponsored by eDC IITD and Rancho Labs

- All logistics will be taken care of by Rancho Labs

- Student must have a laptop or desktop to attend live session and perform project works during the workshop

Our Supporters

Any **Query?**

Feel free to contact us:

✉️ info@rancholabs.com

📞 916265229731, 917042257661

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