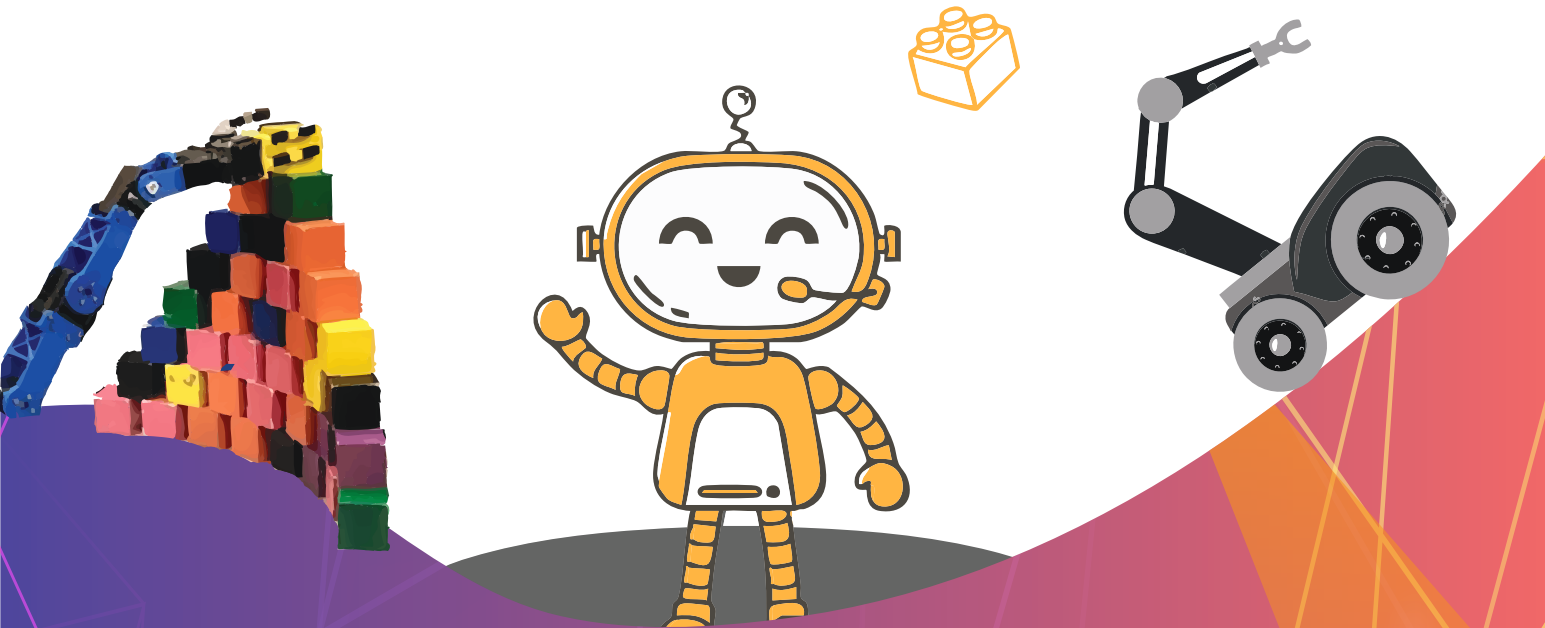




PROPELX LABS



For Grade
3rd to 10th

ROBOTICS SUMMER CAMP

Helping children develop
logical thinking, creativity,
and confidence through
guided hands-on learning.



PROGRAM

At our Robotics Winter Camp, students build and program robots to complete exciting challenges.

Through friendly competitions, they learn teamwork, problem-solving, and the basics of robotics and engineering.



“Every activity in our program is designed to help children think, build, and solve problems on their own—not just follow instructions.”



WHO ARE WE ?

We are a robotics-first learning lab dedicated to giving children a deep, **hands-on understanding** of how technology really works.

Our programs are **founded by a Robotics Engineer** with a Master's degree in Robotics from the University of Michigan, and experience building **real-world autonomous systems** —from self-driving trucks to assistive robotic devices.



Expert-led programs

Project-driven learning

High Parent Satisfaction

Small-batch classrooms



LEARNING OUTCOMES

- ★ Learn essential robot control, coding, and problem solving skills through interactive challenges that build confidence, teamwork, and logical thinking.
- ★ Explore mechanical motion and control through fun, hands-on activities like building simple machines and testing robot movement.
- ★ Design a custom robot part or attachment, gaining hands-on experience with basic CAD and seeing the 3D printing process in action.
- ★ Gain a strong understanding of robotics, including key components, basic electronics, and real-world applications.
- ★ Build and program a working robot, learning about structure, motors, sensors, & safe operation.





LEARNING PATHWAYS

SESSION 1

Music-Synced LED Wall Art 🎵💡

- Build a custom LED wall art piece that lights up in sync with music or clapping
- Learn how sound sensors detect beats and control LED patterns
- Program LEDs to create color-changing, pulsing, or moving effects
- Experiment with timing, pattern design, and creative expression
- Complete a ready-to-display music-synced LED wall art for their room or showcase



SESSION 2

Build-Your-Own Robotic Arm

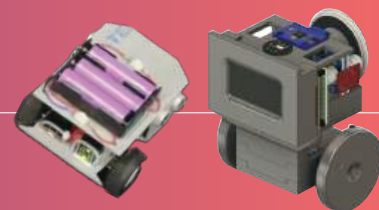
- Create a working robotic arm with moving joints, motors, and a gripper
- Assemble and program the arm to pick up, move, and place objects
- Experiment with timing, precision, and control for smooth operation
- Customize your arm for fun challenges or mini tasks
- Get ready for the final competition, showing off your robotic creation



SESSION 3

Obstacle-Course Robot Challenge 🚧

- Build a custom robot designed to navigate ramps, cones, and tunnels
- Learn about robot drive systems, motors, and basic mechanics while assembling
- Practice steering, control, and troubleshooting to improve performance
- Add light-up checkpoints or indicators for extra visual excitement
- Complete a fully functional obstacle-course robot ready for practice runs and the final competition



SESSION 4

Final Competition & Celebration 🏆🎉

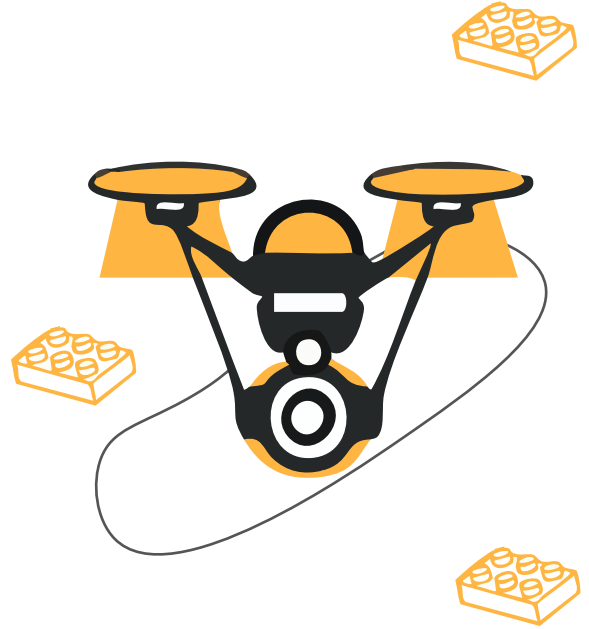
- Compete in robotic arm and/or obstacle-course challenges
- Showcase music-reactive LED projects
- Reflect on teamwork, problem-solving, and skills learned
- Celebrate achievements with certificates and recognition
- Capture photos and highlight moments for camp memories





PROGRAM BENEFITS

- ▶ Project Based Learning
- ▶ 10+ Hours of Learning
- ▶ Exclusive Resources
- ▶ Personalized Kits
- ▶ HW Activity

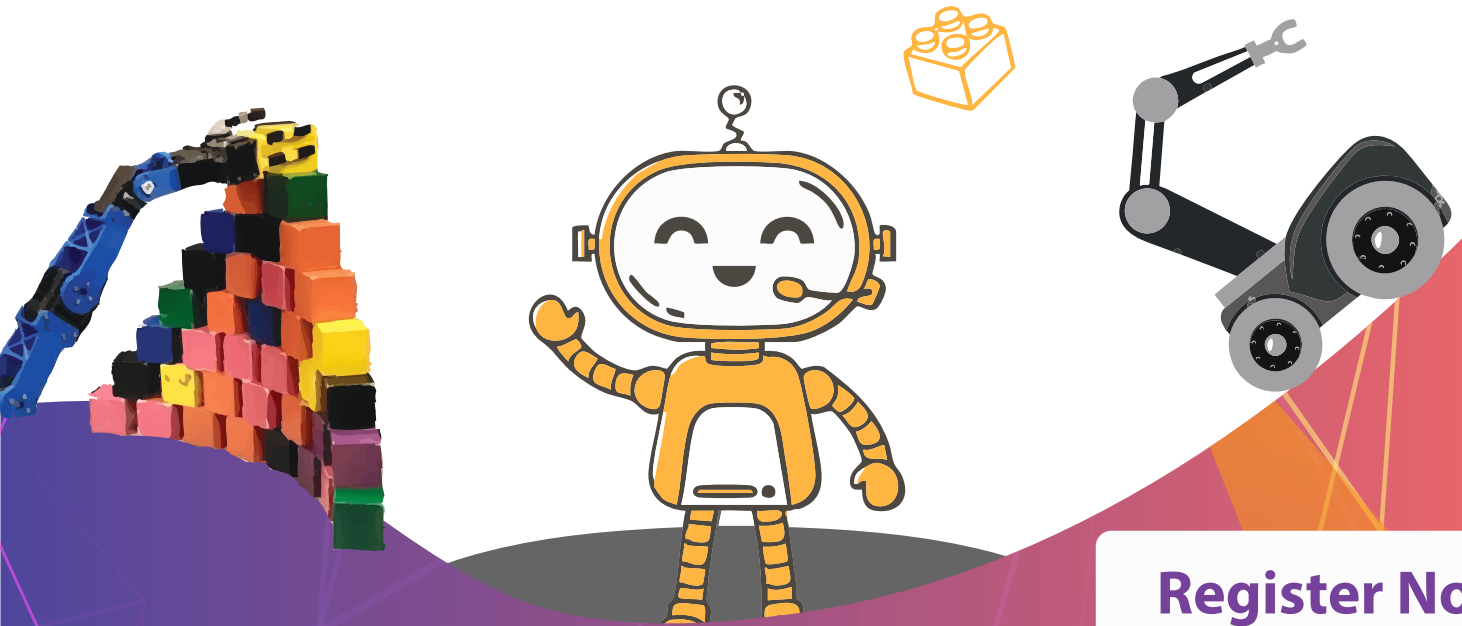


CERTIFICATE





PROPELX LABS



Register Now

ROBOTICS SUMMER CAMP



Modes:

Offline/ Online



Price: ~~12,500~~

8,000



Batch 1

13 May -
17 May



Batch 2

18 May -
22 May



Batch 3

23 May -
27 May



Batch 4

28 May -
1 June



Batch 5

2 June - 6
June



Batch 6

7 June -
11 June



Batch 7

12 June -
16 June



Batch 8

17 June -
21 June



info@propelxlabs.com



+91-9650860004



Dwarka



Ramesh Nagar



Gurugram

Online (as well)