

AY 2026-27

ONLINE CLASS

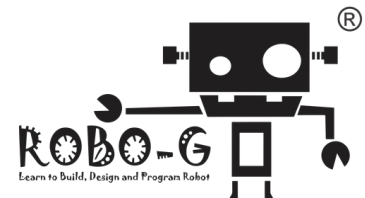
# Foundation Program For Robotics Olympiads



Ages group  
5 - 15 Years

Bring your child to a  
competition & kick-  
start their engagement  
& excitement!

WRO  
IRO  
IDE SERIES  
FLL



# Welcome to ROBO-G

ROBO-G is a leading robotics and STEAM learning solutions company, founded in 2015 to transform education through hands-on, experiential learning. We utilize industry-leading global STEAM platforms such as LEGO Education, Arduino, micro:bit, and other emerging technologies to empower students with skills in coding, robotics, and real-world problem-solving.

Our programs are designed around an integrated STEAM framework, promoting creativity, teamwork, collaboration, and innovation. Through practical, project-based learning experiences, we nurture critical thinking, design thinking, and problem-solving abilities, preparing students to thrive in a rapidly evolving, technology-driven world.

ROBO-G also trains and mentors students to participate in prestigious national and international robotics competitions such as the World Robot Olympiad (WRO), the Indian Robotics Olympiad (IRO), and FIRST programs. These competition-based learning experiences help students apply classroom concepts to real-world robotics challenges while developing skills in engineering, programming, strategy, teamwork, and innovation.



## What We Do

Weekends  
Programs

After-school  
Programs

In-school  
Programs

Robotics  
Competitions

Camps

Workshops

# Foundation Program for Robotics Olympiads

## WRO (Robomission), IRO (Robo Adventures) & IDE Series (LEGO Robotics)

Every year, it is observed that many students face difficulty in solving Olympiad challenges due to weak fundamentals and unclear basic concepts. To address this gap, ROBO-G is introducing a Foundation Program for Olympiads, designed to build strong core skills and boost students' problem-solving confidence.

This program helps students (aged 9-15 years) prepare for prestigious competitions such as World Robot Olympiad (Robomission Category), Indian Robotics Olympiad (Robo Adventures Category) and IDE Series (LEGO Robotics Category). Through structured training and hands-on learning, students will gain the confidence to tackle real Olympiad challenges effectively.



Age group: 9 - 15

No. of students in a batch: 6

Class mode: Online

No. of levels: 1 (16 sessions each)

Class frequency: Twice a week

Session duration: 2 hour

Fee: ₹ 33,984 per level (inclusive of all)

Student & kit ratio: 1:1

### Course flow



### Required Materials

- Laptop, Stable internet connection, External webcam, Tripod
- Download and install the LEGO Spike Prime and Bricklink Studio Softwares
- LEGO Education Spike Prime Robotics kit and Expansion kit (optional)
- IRO 2024 challenge mat and LEGO bricks

### Content

- Core Programming Concepts
- Building Strategy
- Solving the Main Challenges
- Solve Hidden Bugs
- Digital Robot Design

### Evaluation test, certificate of completion & medal

- An evaluation test is administered at the end of each level to ascertain suitability for progression. The evaluation test includes practical questions.
- Each participant will receive a medal certificate (softcopy) based on the percentage of total points scored in the test.
- 25% to <50% → Bronze Medal Certificate, 50% to <75% → Silver Medal Certificate, 75% and above → Gold Medal Certificate.

## Parents are kindly requested to arrange the following items for the online classes.

- Laptop, Stable internet connection, External webcam, Tripod
- Download and install the LEGO Spike Prime and Bricklink Studio Softwares
- LEGO Education Spike Prime Robotics kit and Expansion kit (optional)
- IRO 2024 challenge mat and LEGO bricks



Laptop



Stable Internet Connection



External Webcam  
Recommended:  
Lenovo 300 FHD 1080P



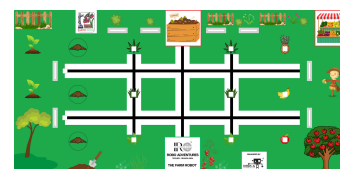
Tripod  
Recommended:  
Amazon Basics 41-134 CM Tripod



LEGO Spike Prime Software



LEGO Bricklink Studio Software



IRO 2024 Challenge Mat



LEGO Education Spike Prime Robotics kit



LEGO Education Spike Prime Expansion kit (optional)



LEGO bricks for building the game elements

# Robotics Competitions

## Indian Robotics Olympiad (IRO) (Ages 5-15 years)

The Indian Robotics Olympiad (IRO) is a prestigious competition that showcases the innovation and technical prowess of young minds across India. It serves as a platform for students to demonstrate their skills in robotics, programming, and problem-solving. Through challenging tasks and projects, participants engage in hands-on learning experiences, fostering a passion for STEM fields and inspiring the next generation of engineers and inventors.



IRO, an initiative pioneered by ROBO-G, is exclusively organized by ROBO-G itself. Additionally, ROBO-G serves as the official training partner for IRO.

## World Robot Olympiad (WRO) (Ages 8-22 years)

World Robot Olympiad™ is an event for science, technology, and education that brings together young people all over the world to develop their creativity and problem-solving skills through challenging and educational robotics competitions.



## FIRST (For Inspiration and Recognition of Science and Technology) (Ages 5-18 years)

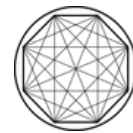
For more than three decades, FIRST (For Inspiration and Recognition of Science and Technology) prepares young people for the future through a suite of welcoming, team-based robotics programs for ages 5-18 (K-12).



Their thrilling, sports-like challenges build self-confidence and collaborative problem-solving skills and have a proven and lasting impact on STEM learning and interest.

## IDE (Innovation, Design and Engineering) Series - Singapore (Ages 7-19 years)

IDE (Innovation, Design and Engineering) Series is a national technology and engineering competition event. The aim of the competition is to challenge students on problem solving across domains such as electronics, programming, and mechanical design.

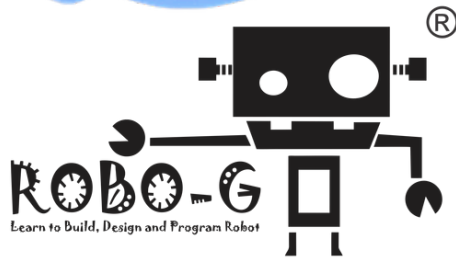


**IDE SERIES**



# ROBO-G Classroom





ROBO-G North Bangalore  
#3220, 3rd Floor, Arkavathi Layout, 7th  
Block, K. V. Jayaram Road, Jakkur,  
Bangalore - 560064

Follow us:      /ROBOGOfficial

M: +91 82772 51290 E: info@robog.in W: www.robog.in

