STEM REVIEWED #46788206
STEM ACCREDITED #39786611
STEM CERTIFIED #46766422

Propeller Technologies
Research & Development Pvt Ltd.

TRL 2K21™

TAMILNADU ROBOTICS LEAGUE

SEASON - 4

BOT OLYMBICS

TAMILNADU ROBOTICS LEAGUE

INDIA'S BIGGEST ROBOTICS COMPETITION

SEASON - 4

THEME - BOT OLYMBICS

CHENNAI

For More:

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EVENTS AND REGISTRATION

Introduction

Welcome to the 4th Season of the Tamil Nadu Robotics League!
Inspired by the triumphs of the 2024 Olympics and celebrating the excitement of the upcoming 2028 Olympics, this year's theme, **"Bot Olymbics,"** brings the Olympic spirit into robotics. A platform where the spirit of champions meets the creativity of young innovators through robotics and STEM learning! Students from across the state will bring their robots to take on exciting and fun-filled challenges.
Just like the real Olympics, these tasks test speed, strength, teamwork, and smart thinking.Children will design and build their own robots to solve problems using creativity and logic. It's a wonderful way to explore science and technology while having fun. Through these engaging activities, the league not only celebrates the Olympic spirit but also promotes innovation and STEM learning among young minds.

Events

1. **Robotics Junior**: To solve the arena based on the problem statement

2. **Robotics Senior**: To solve the arena based on the problem statement

3. **Robotics Super Senior:** To solve the arena based on the problem statement

4. **Young Scientist**: Design a (Me & My Innovation) concept using your own creative ideas

Registration

> **The registration fee per student per event is Rs. 699/-**

> **Each team must consist of a minimum of 3 and a maximum of 4 members.**

> **You can contact the below-mentioned mobile numbers to initiate the registration process: 7540040071 / 7540040079 / 8248038462**

Event Venue & Date

Event Venue: Chennai

Event Date: January , 2027

AWARDS AND RECOGNITIONS

Robotics Junior

- Winner
- First Runner
- Second Runner
- Best Robot Design
- Best Rider
- Best Team
- Emerging Innovator Award

Robotics Super Senior

- Winner
- First Runner
- Second Runner
- Best Robot Design
- Best Rider
- Best Team
- Emerging Innovator Award

Robotics Senior

- Winner
- First Runner
- Second Runner
- Best Robot Design
- Best Rider
- Best Team
- Emerging Innovator Award

Special Category Awards

EMPOWERING EXCELLENCE AWARD

A school that encourages the maximum number of students to participate in competitions for broader exposure.

OVERALL CHAMPIONSHIP

The Overall Championship is awarded to the school with the most winning teams in various categories, celebrating their excellence and teamwork.

Young Scientist

- Winner
- First Runner
- Second Runner
- **Best Use of Technology:** Awarded to the project that utilizes technology in the most effective and advanced manner.
- **Most Innovative Solution:** Recognizes the most creative and unique approach to solving a problem.
- **Emerging Innovator Award:** For the best project by a team with members below a certain age, encouraging young participation.
- **Best Design:** Recognizes the project with the most aesthetically pleasing and functional Design.

TAMILNADU ROBOTICS LEAGUE - 2K27

India's Biggest Robotics Competition

Propeller Technologies
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Theme: To truly encourage creativity and real innovation, this year's theme is **"Me and My Innovation."** Students are invited to identify any real-world problem and build a unique solution using technology. There are no limits—they can explore ideas from any sector, be it health, environment, education, safety, or beyond.We want students to think out of the box and not feel restricted to common or repeated topics.

However, over the past 10 years, we've seen a few ideas come up too often in various competitions.

Minimum Number of Participants:3

Maximum Number of Participants: 4

Registration

The registration fee per student per event is Rs. 699/-

You can contact the below-mentioned mobile numbers to initiate the registration process: 7540040071 / 7540040079 / 8248038462

Submission Timeline

Start Date: December 20, 2026 (Sunday)

End Date: December 31, 2026 (Thursday)

To make space for fresh thinking, we request you to avoid the following frequently repeated projects:

1) **Smart agriculture systems / Robots** 2) **Weather monitoring stations**

3) **Smart rooftops using water level sensors** 4) **Blind sticks for the visually impaired**

5) **Night vision glasses for drivers** 6) **Smart home lighting using IoT**

7) **Agriculture drones** 8) **Earthquake alarms** 9) **Innovations using solar panels**

10) **Follow me, obstacle avoider or line follower robots**

Scoring Criteria

The Young scientist will follow a two-stage evaluation process: an initial assessment of Instagram video submissions, followed by a live model evaluation at the event. Cumulative scores will be validated to ensure fairness, accuracy, and recognition of genuine innovations.

Criteria	Description	Mark
Novelty & Originality of the Idea	How unique, creative, and innovative is the concept? Is it a fresh approach or reworked idea?	25
Clarity of Explanation	Is the team able to clearly explain the working, purpose, and logic of the project?	15
Functionality & Output Demonstration	Does the model work as intended? Was the output shown live without hidden support/gimmicks?	20
Real-world Applicability	How relevant and practical is the idea in real-life situations or future development?	15
Design of the Model	Is the model or prototype submitted have a pleasing design which is user friendly without showing much circuits	15
Team Coordination	How well did the team present and divide roles? Was the explanation collaborative and clear?	10
Total		**100**

Video Submission Guidelines

Where to Upload: Post your video on Instagram

Tag and Collaborate: @propellertechs

Important: Mention school's name and team name in the post or caption

Length: Under 2 minutes

Format: Portrait (9:16)

Resolution: Minimum 1080p



Content Structure

Start with a brief introduction – School Name, Team Name & Project Name

Clearly showcase your project – its working and innovation

Caption & Hashtags

I am a Young Scientist

Use the following hashtags

#youngscientist2027 #innovation #tamilnaduroboticsleague #trlseason4 #robots #trl2k27 #me&myinnovation #propellertechnologies #propelwings #stemeducation

Note

Only videos uploaded **between December 20 and December 31** will be considered.

Facebook submissions will not be accepted.

Ensure that **all guidelines are strictly followed** for successful participation.

Let's use this opportunity to go beyond the usual and create something truly new, impactful, and personal.
We look forward to seeing your unique innovation come to life!