

# IREA

World Robot League Online

**The World Robot League welcomes all students  
studying robotics.**

# Online Competition

- All matches are played using Zoom and YouTube.
- Zoom must be prepared for the players' matches, and spectators can watch the match live on YouTube.
- For the match, the coach must set up the camera so that the game field and players are clearly visible. You can use up to two cameras.

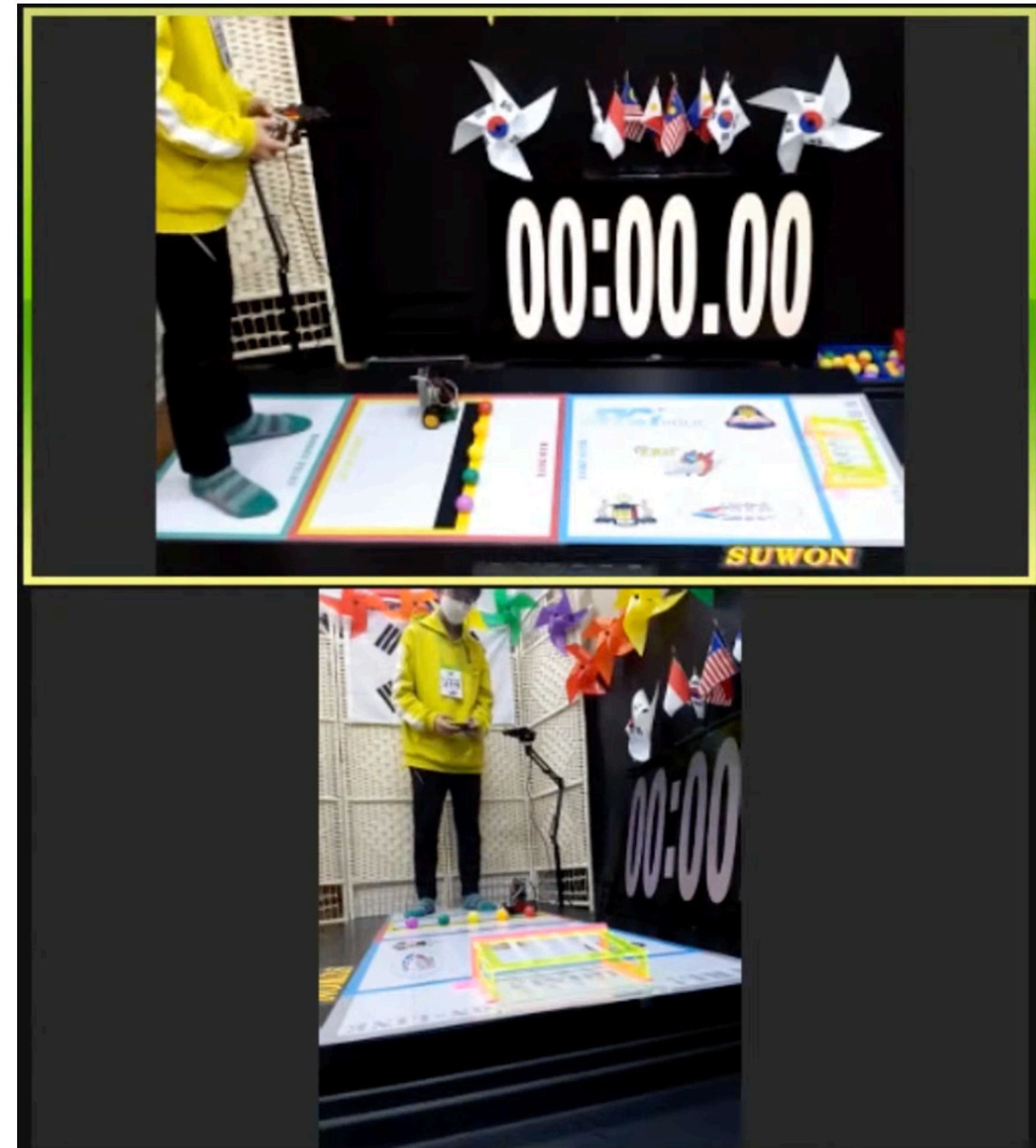






# How to set up the Game Field

- The stopwatch should be clearly visible.
- <http://www.xnotestopwatch.com>
- Install and use from Xnotestopwatch.
- Please set the position of the camera so that the game field is also clearly visible.
- In Zoom, the meeting number is notified to the participants in advance of the competition.



# Participant Classification

- Children - Junior - Senior - Challenge
- Children up to 9 years old, juniors 12 years old, seniors 18 years old, there is no limit to the challenge.
- Since the academic calendars in various countries are different, if you are confused about the classification of participants, please inquire at the association.
- Junior - Elementary School // Senior - Middle School, High School

# Classification of playable robots

- There is no limit to the size and weight of the robot in World Robot League Online.
- Robots are divided into driven type and humanoid type, and are divided into controlled type and autonomous driving type.
- For a fair game, the motors and controllers of each robot are limited and the competitions are divided.
- If you are confused about the participating category, please contact the association.



Main Event	Children	Junior	Senior	Challenge
<b>Humanoid</b> - BASIC	X	Individual	Individual	X
<b>Humanoid</b> - HIGH TECH	X	Individual	Individual	Combo
<b>Robot</b> - BASIC	Individual	Individual	Individual	X
<b>Robot</b> - LEGO	Individual	Individual	Individual	X
<b>Robot</b> - HIGH TECH	X	Individual	Individual	Individual
<b>AI</b> - LEGO	X	Individual	Individual	X
<b>AI</b> - HIGH TECH	X	Individual	Individual	Combo

Category	
<b>Humanoid</b> - BASIC	Remote-controlled humanoid robot
	Motor is limited to stall torque 1.5N·m or less. No limit on the number of motors
<b>Humanoid</b> - HIGH TECH	Remote-controlled humanoid robot
	No limit on the number of motors
<b>Robot</b> - BASIC	Driven Remote-controlled Robot
	Up to 3 motors can be used
<b>Robot</b> - LEGO	Remote-controlled robot using Lego Mindstorms.
	Lego products only
<b>Robot</b> - HIGH TECH	Remote-controlled robot using Mecanum Wheel (Omni Wheel)
	No limit on the number of motors
<b>AI</b> - LEGO	Autonomous robot using Lego Mindstorms.
	Sensors are only Lego Mindstorms product.
<b>AI</b> - HIGH TECH	Autonomous robot(No limit)
	Any sensor can be used



# Open Category

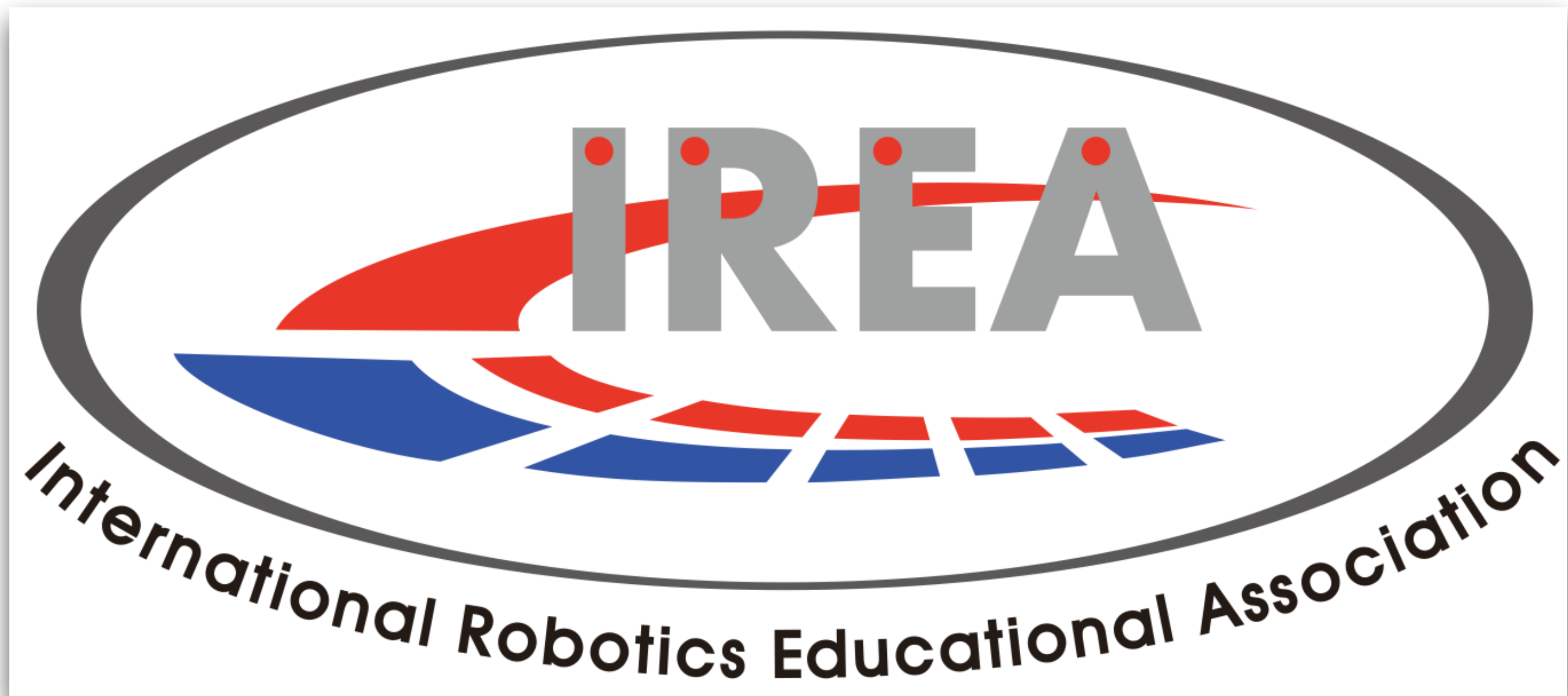
- Problem solving using robots
- Subjects are freely selectable.
- There are no restrictions on robots.
- Presentation for 3 minutes and Q&A for 2 minutes
- Presentations must be in English.
- The division of participants is Children-Junior-Senior.



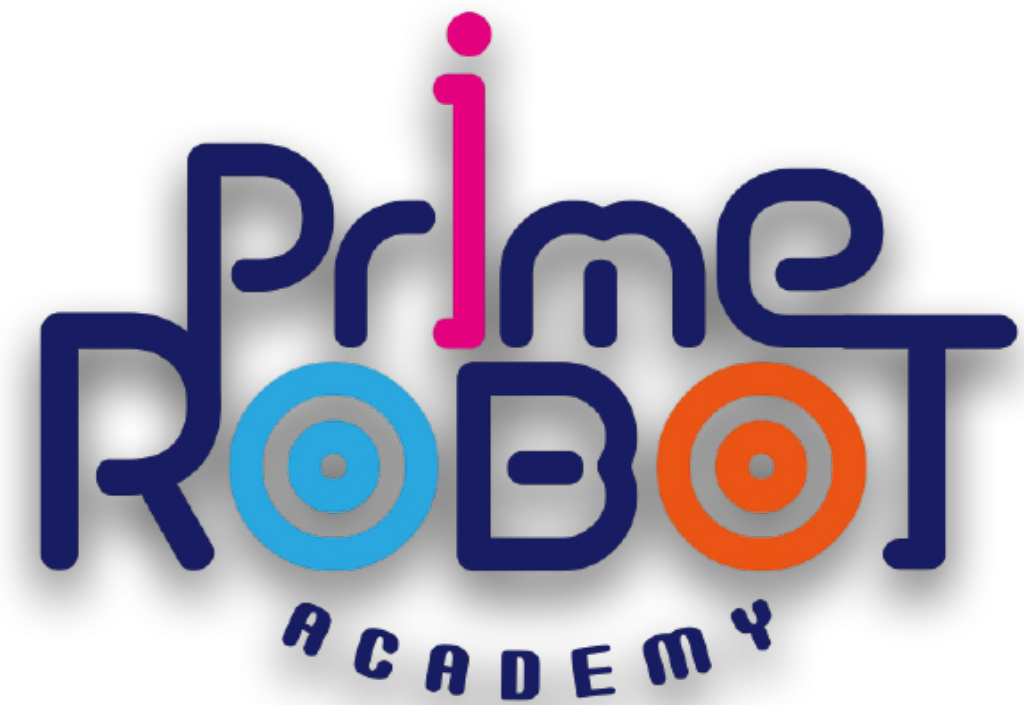
# The most important thing

- The World Robot League Online is not a competition that determines the winner.
- They are very tolerant of mistakes during the game because anyone can make mistakes.
- The goal of our tournament is to have each player become the main character.





Organizer



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