



ROBOC LOCAL COMPETITION

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2 0 2 6



SPRKS

UBTECH

جمعية
تعليم
التعاونية

TALEEM ROBOTICS
& AI ACADEMY

المبادرة الوطنية
للروبوتات والذكاء الاصطناعي في التعليم

الذكاء الاصطناعي
THE YEAR OF ARTIFICIAL INTELLIGENCE 2026

Event Introduction



The UBTECH ROBOG Competition is a global initiative established by UBTECH Robotics, a world leader in artificial intelligence and humanoid robotics. Designed as a forward-thinking platform, the competition brings together students, educators, and innovators to explore, create, and excel in the rapidly evolving fields of robotics and AI.



ROBOG serves as a dynamic environment for innovation, collaboration, and knowledge exchange. It empowers young minds from primary school through university by providing meaningful opportunities to engage with advanced technologies, develop practical skills, and showcase their creativity on an international stage.



The competition is built on a strong educational foundation, emphasizing quality-driven learning and the development of future-ready competencies. Its mission is to nurture scientific curiosity, critical thinking, and technological innovation, ultimately contributing to the growth of a new generation of problem-solvers and industry leaders.



ROBOG operates as more than just a competition—it is a comprehensive ecosystem supported by collaborations with leading educational institutions, industry experts, and globally recognized organizations. By aligning with authoritative partners and integrating diverse expertise, the event ensures high standards, impactful learning experiences, and broad international reach.

INTRODUCTION

Vision

Provide advanced technological innovation resources

Inspire young people's interest and love for technological innovation

Mission

Discover the talents and potential of young people and help cultivate scientific and technological innovation talents

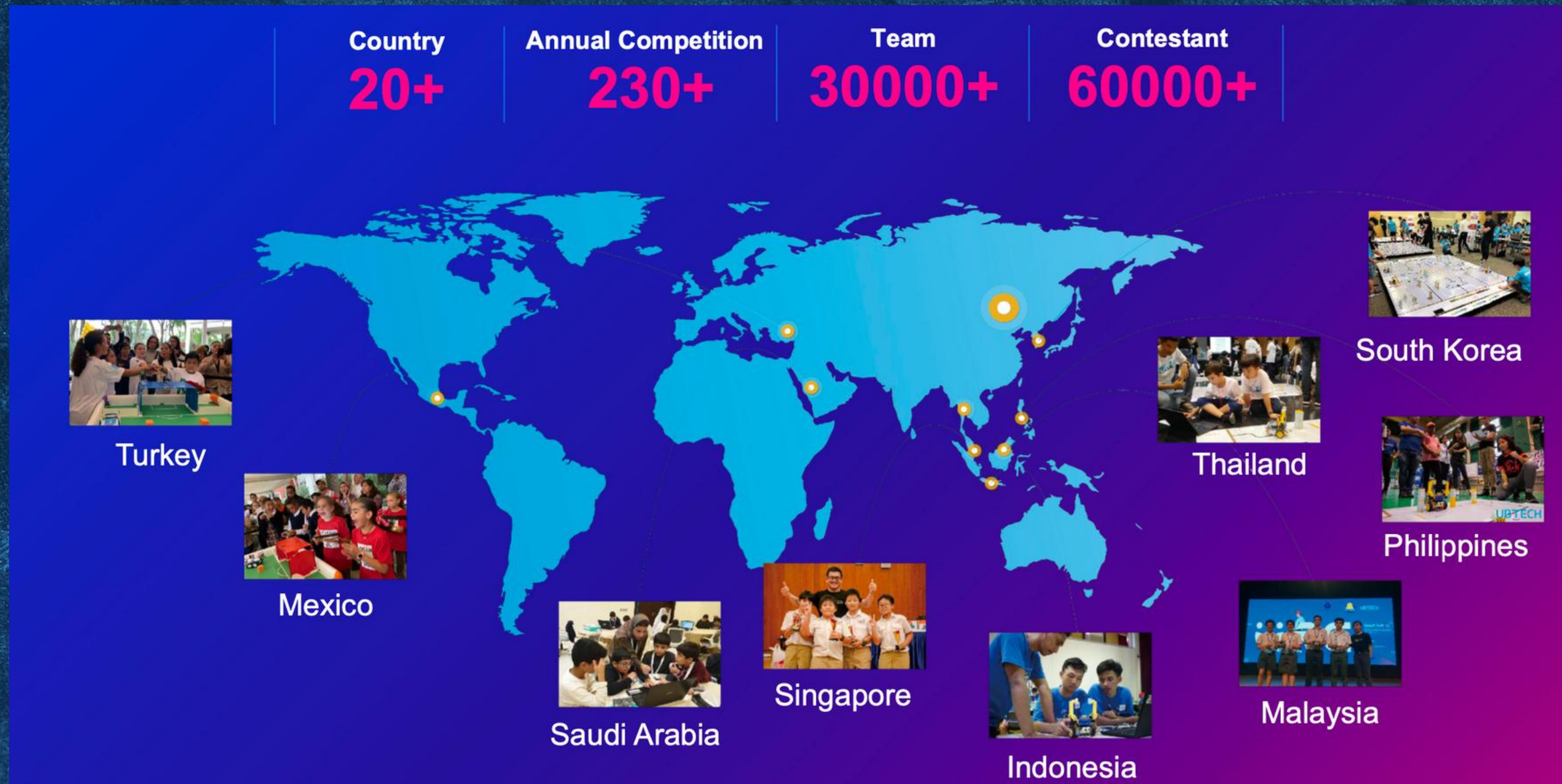
Value

Genuine · Grit · Group · Growth



INTRODUCTION

GLOBAL EVENT SIZE



OVERVIEW



Holding AI competitions can bring multiple benefits. It can stimulate the interest in AI study in students, improve their practical skills of solving problems, make assessments to their work, let them learn from teamwork and communication. For the organizer, it brings people's attention to its brand and location; for the educators, it displays the achievements of AI education.



An open area is required for the Event Center, as a national or international competition requires a space to hold thousands of visitors. When there is no competition, the area can be used for other activities, such as study tours or camps, special exhibitions, etc.

UBTECH has designed a rich competition system to meet the needs of students of different levels. 800 teams and 10,000 students from more than 15 countries and regions have participated in the Robo Genius Competition by the end of the year 2020.



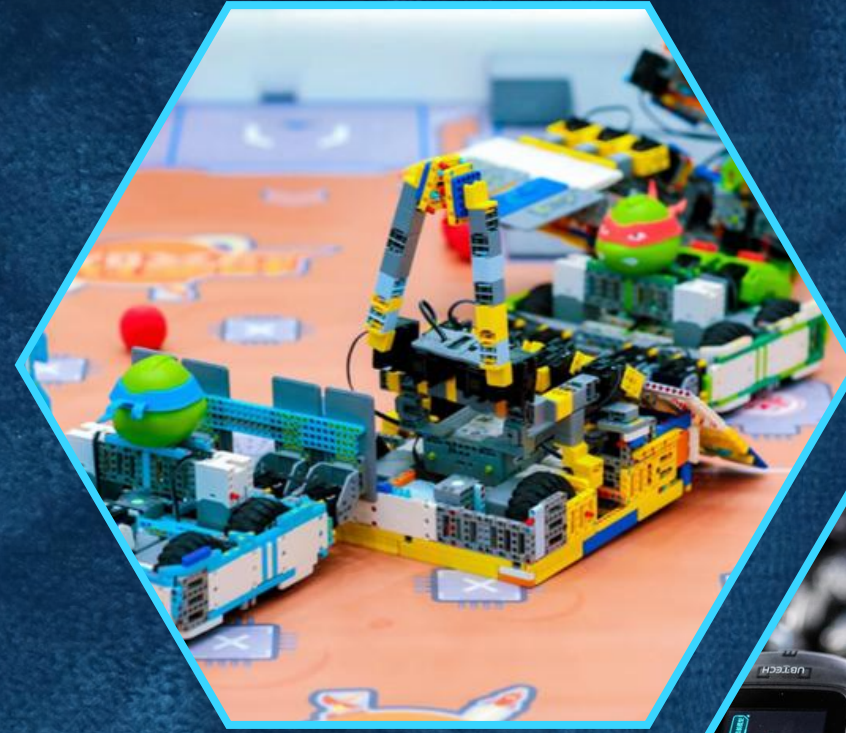
OBJECTIVES



- ❑ To promote hands-on robotics and AI learning among students in local schools and academies.
- ❑ To build a strong foundation in engineering, programming, problem-solving, and teamwork through practical competition experience.
- ❑ To provide teachers with professional development opportunities through specialized training bootcamps so they can effectively coach robotics teams.
- ❑ To encourage participation from a wide range of students and increase awareness of STEM careers at the regional level.
- ❑ To create a healthy competitive environment that fosters creativity, innovation, and school-level collaboration.



PLANET & SUPER ACTION





Proposed Competition Events and Scale

The Saudi Arabian National Competition

Super Action

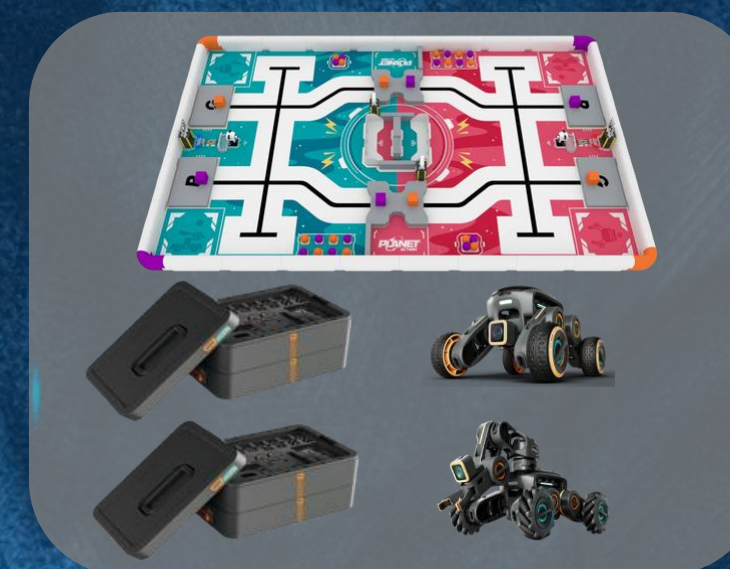


Primary School

uKit AI

2 Team Member+1Mentor

Planet Action



Secondary & High School

UGOT

2 Team Member+1Mentor



Level

Product

Team Member



Super Action Brief Introduction

Super Action Kit*2



Super Action Venue Kit*1



Type	2V2 Robot Comprehensive Strategy Competition
Product	uKit AI
Equipment	Super Action Kit*2 Super Action Venue Kit*1
Level	Primary School
Tasks	1. Flipping energy magnetic loops ; 2. Transporting energy cubes ; 3. Collecting energy magnetic rings ; 4. Collecting energy balls ; 5. Setting up signal tower



Logic Programming

Through a combination of strategic design and actual debugging, the contestant uses their reasonable logical architecture to guide the robot to accomplish the task and optimize the scoring.



Creative Construction

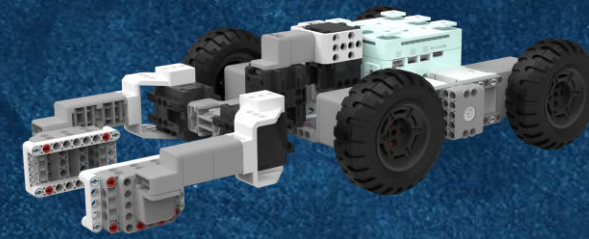
The competition involves creative assembly techniques that will allow for a diverse range of robot forms to be displayed in robot competition, thereby enhancing its flexibility.



Ornamental and Confrontational

Both sides demonstrated an intelligent strategy and superior execution during the competition, making it highly entertaining and competitive.

Super Action Brief Introduction

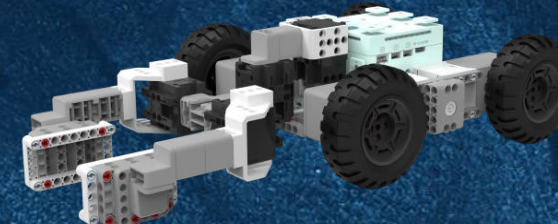
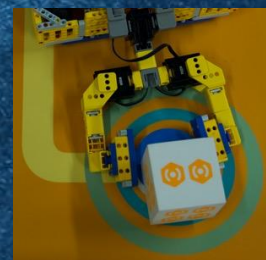


1min

Stage 1

Primary
Tasks

- Flipping magnetic energy loops
- Transporting energy cubes



4min

Stage 2

Primary
Tasks

- Collecting energy balls
- Collecting magnetic energy loops
- Setting up signal tower



Planet Action Brief Introduction

AI City Guardian Kit*2 +UGOT Gear Motor kit*1



Planet Action Venue Kit*1

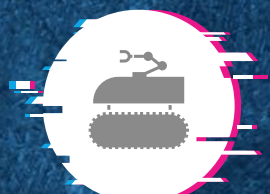


Type	2V2 Multi-mimetic Robot Competition
Product	UGOT
Equipment	AI City Guardian Kit*2 + UGOT Gear Motor kit*1 Planet Action Venue kit*1
Level	Secondary School
Tasks	1. Pushing Balls ; 2. Obtaining QR Code Information ; 3. Recognising Dolls ; 4. Transporting Cubes ; 5. Ascending to High Platform ; 6. Throwing Balls ; 7. Striking Outpost Loop ; 8. Striking Flag ; 9. Stacking Cubes



Logic Programming

Through a combination of strategic design and actual debugging, the contestant uses their reasonable logical architecture to guide the robot to accomplish the task and optimize the scoring.



Multi-mimetic Construction

The competition requires different forms of robots. The engineer vehicle and the transforming car need to cooperate to finish tasks.



Ornamental and Confrontational

Both sides demonstrated an intelligent strategy and superior execution during the competition, making it highly entertaining and competitive.

Planet Action Brief Introduction



1min

4min

Stage 1

Stage 2

Secondary
Tasks



pushing the balls to transfer area



obtaining QR code information



recognising the dolls



transporting the designated cubes



ascending to the high platform

Secondary
Tasks



stacking cubes



throwing balls



striking outpost loop



striking opponent flag



ROBOT COMPETITION & EVENT



Singapore



Saudi Arabia



South Korea



Mexic



Indonesia



Philippine



UBTECH **Captain Court** joins the WRO Robot Competition Conference



40+ Regional events **350+** Team in **WRC finals**





جمعية
تعليمية
استشرافية



King Abdulaziz Rd, Alyasim, Riyadh 1332



info@talemmyah.org.sa



011-4000-101



059-620-5744



www.bdtaisa.com