

RoboMaster North America Online Challenge-Intelligent Transportation

1. Challenge

RoboMaster North American Online Challenge-Intelligent Transportation uses virtual simulation robots to simulate intelligent public transportation system (roads, traffic lights, bus stop signs, etc.) in the city. The simulation environment allows students to participate and experience the application of coding in autonomous driving scenarios, and expand students' cognition of cutting-edge autonomous driving issues through graphical programming.

2. Organizers: SZ DJI Technology Co., Ltd and Yindividual LLC

3. Challenge Category

Contestants can take in one of the challenge categories. There are two categories, namely Student and Mentor. The requirements of the categories are:

Category	Requirements
Student	Students aged 8 to 19 years old with basic graphical programming knowledge.
Mentor	STEM, coding, robotic Mentors aged 21 years old and above.

4. Challenge Duration: From April 18th 2022 to June 23rd 2022.

5. Coding Language: Graphical Programming

6. Challenge Mechanism: Online

This challenge is a fully online activity which requires the contestant to do graphical programming online using DJI Education Hub Desktop Version and DJI Robotic Simulator.


Between April 18th 2022 and June 23rd 2022, contestants are to use DJI Education Hub Desktop Version and DJI Robotic Simulator to log in to the DJI Education Hub platform. Contestants can login at any time to do the challenge. There is no limit to the number of logins and no limit to number of attempts and submissions. Scores will be awarded for every successfully completion of tasks and submitted for ranking. All scores will be ranked to determine the winners.

Please refer to [DJI Education Hub User Guide](#) for information on using DJI

Education Hub and refer to [DJI RoboMaster Online Challenge – AI Intelligent Transport Rules Manual](#) for rules.

7. Prizes

All registered and participated contestants from The North American schools or learning centers get a certificate of participation. Top 30 scorers from The North American schools or learning centers get prizes and certificate of achievement:

Ranking	Student Category	Mentor Category
1	<ul style="list-style-type: none"> • One DJI RoboMaster TT Drone per ranking • Certificate of Achievement 	<ul style="list-style-type: none"> • DJI Education Hub Professional License • Certificate of Achievement
2		
3		
4 - 10	<ul style="list-style-type: none"> • DJI Tello EDU drone per ranking • Certificate of Achievement 	<ul style="list-style-type: none"> • DJI souvenir • Certificate of Achievement
11 - 20	<ul style="list-style-type: none"> • USD\$100 Yindividual voucher for purchase of selected DJI Education products • Certificate of Achievement 	
21 - 30	<ul style="list-style-type: none"> • DJI souvenir • Certificate of Achievement 	

8. Registration Fee: Free

Please refer to [DJI RoboMaster Online Challenge Registration Guide](#) for registration steps.

9. Workshops

Free workshops are available between 23 February 2022 and 23 March 2022. Please email contact@yindividual.com to register.

10. Enquiries Contacts

For technical enquiries, please email support@yindividual.com. For sales enquiries, please email contact@yindividual.com.