



Competition Report

Universal Robotics Challenge 2022 Executive Committee
November, 2022

Overview

Title: Universal Robotics Challenge 2022

Summary: An international competition using ArtecRobo robotics kits

Purpose: Solve various challenges and deepen children's interest in the field of robotics

Date: This competition was held entirely online to help prevent the spread of COVID-19.

Idea Contest: July 5 (Tue.) to August 21 (Sun.), 2022

Virtual Robotics (Domestic): September 3 (Sat.), 2022

Virtual Robotics (International): September 17 (Sat.), 2022

Held by the Universal Robotics Challenge 2022 Executive Committee

Sponsors:

Xob Co., Ltd., Ishida Co. Ltd., ECC Co., Ltd., ELECOM Co., Ltd., Otsuka Corporation, Kamigumi Co., Ltd., Kyohritsu Electronic Industry Co., Ltd., Kyowa Shiko Co., Ltd., Kunimatsu Co., Ltd., Zetta Linx Inc., Sony Global Education, Daiichijushi Industry Co., Ltd., Turner Colour Works Ltd., Tosho Printing Co., Ltd., Pentel Co., Ltd.

Media Sponsors: Seibundo Shinkosha, GMO Media Inc.

Special Thanks To: Gakken Method Co., Ltd.

Planning: Artec Co., Ltd. Universal Robotics Challenge Executive 2022 Committee

Competition Overview

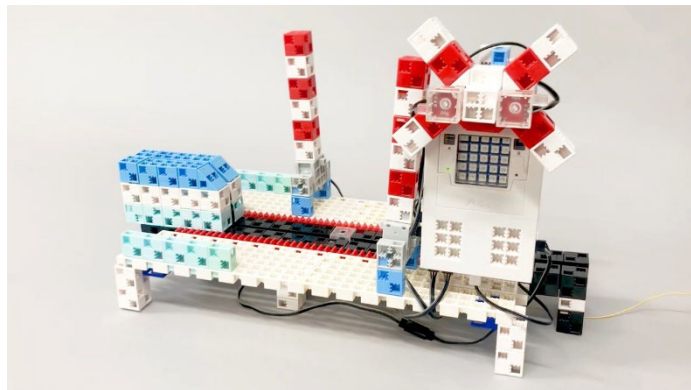
Universal Robotics Challenge 2022 is a competition for elementary and middle schoolers, held entirely online to prevent the spread of COVID-19. This year's competition was split into two divisions:

- In Online Robotics, children use their ArtecRobo kit to build a robot for the competition theme and submit a video of it solving the challenge.
- In Virtual Robotics, children use an online robotics simulator to test their programming skills.

Idea Contest

Safer Roads

In this division, competitors made their own original project before uploading a video of it to YouTube.



Virtual Robotics

Driving Safely

In this division, competitors used an online robotics simulator to test their programming skills.



Results

Idea Contest

Participants: 151 (75 domestic, 76 overseas)

Overseas Competitors: Australia (10), Chile (5), Chinese Mainland (China) (8), Columbia (12), France (4), Hong Kong (China) (11), Korea (5), Macau (China) (4), Malaysia (12), Philippines (6)

★ Overseas participants won preliminaries in their own countries.

World Championship Results

Junior Division

1st

Malaysia

SHARP TURN COLLISION AVOIDANCE SYSTEM

AHMAD AIMAN DANISH BIN AHMAD SYAHIR (Grade 5)

MUHAMMAD HARITH ZAEEM BIN HIZAMUDDIN (Grade 5)

ADAM HARIZ BIN ABDUL HALIM (Grade 5)

SK SUNGAI UDANG

2nd

Kanagawa Prefecture, Japan

YT-BIKE sensing bicycle

Yusei Takata (Grade 2)

Cands Seminar

3rd

Malaysia

Disable Crosswalk Assist Module (DCAM)

FAIQAH HANNAN BINTI MUHAMOD FAHMIR (Grade 5)

NUR QASEH IMANINA BINTI HASSAN (Grade 6)

NUR AMMARA ARISSA BINTI MOHAMAD ALI (Grade 5)

SK DATUK NAN KAYA

Finalist

Chinese Mainland (China)

Door opening and closing device to prevent collision with pedestrians

Yunxi Luo (Grade 3)

Zixuan Wang (Grade 5)

Nanjing Zhiyuan Foreign Language Primary School

Honorable Mention

Kyoto Prefecture, Japan

The Safety Accessory: Help prevent collisions for the visually impaired

Shiho Nakabayashi (Grade 4)

Pasocorp Karasuma Oike Learning Center / Oike Robot Programming School

Senior Division

1st

Malaysia

MICROSLEEP DETECTOR

MUHAMMAD SINAN BIN HAFIZULFAHMI (Grade 9)

MUHAMAD AFIF BIN MUHAMAD RIZUAN (Grade 9)

ZULHAFIDZ BIN NGISA (Grade 9)

SEKOLAH BINA INSAN YAYASAN MSU

2nd

Kanagawa Prefecture, Japan

Smartphone Zombie Helmet

Takumi Matsumura (Grade 8)

Smile Computer School / Nagasawa Junior High School

3rd

Philippines

Automated Cone Deployer

Skylar Freya T. Ang (Grade 5)

Samara Fionna T. Ang (Grade 7)

MGC New Life Christian Academy

Finalist

Chinese Mainland (China)

Tunnel Speeding Reminder

Yuwei Zhang (Grade 8)

Hanbin Deng (Grade 8)

Wuxi Yinghe Bilingual School

Honorable Mention

Osaka Prefecture, Japan

Moving Walkways on the Highway

Tomato Ikezaki (Grade 8)

Innovator Academy Takatsuki

Japan Qualifiers

Junior Division

1st

YT-BIKE sensing bicycle

Yusei Takata (Grade 3)

Cands Seminar (Kanagawa Prefecture)

Prizes

ArtecRobo 2.0 Basic Set (provided by Artec Co., Ltd.)

G-SHOCK (provided by Xob Co., Ltd.)

Tosho Card (provided by Daiichijushi Industry Co., Ltd.)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Tablet case (provided by ECC Co., Ltd.)

2nd

The Safety Accessory: Help prevent collisions for the visually impaired

Shiho Nakabayashi (Grade 4)

Pasocorp Karasuma Oike Learning Center / Oike Robot Programming School (Kyoto Prefecture)

Prizes

Tosho Card (provided by Ishida Co., Ltd.)

Tosho Card (provided by Kamigumi Co., Ltd.)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

BUN Order Book (provided by Tosho Printing Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Air Magic Kit (provided by Gakken Method Co., Ltd.)

Tablet case (provided by ECC Co., Ltd.)

3rd

Mobile Traffic Signal

Riku Yamaguchi (Grade 6)

Smile Computer School / Miyuki Elementary School (Kanagawa Prefecture)

Prizes

Quo Card (provided by Kunimatsu Co., Ltd.)

Disaster Power Bank with LED Flashlight (3350 mAh) (provided by Elecom Co., Ltd.)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Tablet case (provided by ECC Co., Ltd.)

Finalist

Derailment Prevention Crossing

Yuki Miyajika (Grade 6)

Smile Computer School / Takatori Elementary School (Kanagawa Prefecture)

Prizes

Tosho Card (provided by Otsuka Corporation)

KURU-2 Electronic Roulette Wonder Kit (provided by Kyohritsu Electronic Industry Co., Ltd.)

SMASH Mechanical Pencils (3 colors) (provided by Pentel Co., Ltd.)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Tablet case (provided by ECC Co., Ltd.)

Honorable Mention

Safety Signal

Hiroshi Takashima (Grade 5)

Smile Computer School / Yokohama City Bunko Elementary School (Kanagawa Prefecture)

Prizes

Tosho Card (provided by Otsuka Corporation)

Five-Minute Logic Drills (provided by Sony Global Education)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Tablet case (provided by ECC Co., Ltd.)

Senior Division

1st

Smartphone Zombie Helmet

Takumi Matsumura (Grade 8)

Smile Computer School / Nagasawa Junior High School (Kanagawa Prefecture)

Prizes

ArtecRobo 2.0 Basic Set (provided by Artec Co., Ltd.)

G-SHOCK (provided by Xob Co., Ltd.)

Tosho Card (provided by Daiichijushi Industry Co., Ltd.)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Tablet case (provided by ECC Co., Ltd.)

2nd

Moving Walkways on the Highway

Tomato Ikezaki (Grade 9)

Innovator Academy Takatsuki (Osaka Prefecture)

Prizes

Tosho Card (provided by Ishida Co., Ltd.)

Tosho Card (provided by Kamigumi Co., Ltd.)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

BUN Order Book (provided by Tosho Printing Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Air Magic Kit (provided by Gakken Method Co., Ltd.)

Tablet case (provided by ECC Co., Ltd.)

3rd

A Safer Car

Tomoki Ohata (Grade 8)

Smile Computer School / Nagasawa Junior High School (Kanagawa Prefecture)

Prizes

Quo Card (provided by Kunimatsu Co., Ltd.)

Disaster Power Bank with LED Flashlight (3350 mAh) (provided by Elecom Co., Ltd.)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Tablet case (provided by ECC Co., Ltd.)

Finalist

LED Sidewalk with Speed Warnings

Mizuki Fukuyama (Grade 7)

Meiko Gijuku Mihara Harao Class (Osaka Prefecture)

Prizes

Tosho Card (provided by Otsuka Corporation)

KURU-2 Electronic Roulette Wonder Kit (provided by Kyohritsu Electronic Industry Co., Ltd.)

SMASH Mechanical Pencils (3 colors) (provided by Pentel Co., Ltd.)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Tablet case (provided by ECC Co., Ltd.)

Honorable Mention

Automatic Parallel Parker

Shogo (Grade 9)

Eishinkan Learning School, Mie Prefecture

Prizes

Tosho Card (provided by Otsuka Corporation)

Five-Minute Logic Drills (provided by Sony Global Education)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Tablet case (provided by ECC Co., Ltd.)

Domestic Participants

Participant	Project	Video URL
Kent Hayashi	Safe Railroad Crossings	https://youtu.be/9UdK6tICfwA
Shota Yamakoshi	Danger Sensing Robot	https://youtu.be/g2lwJEmAX-A
Ren Itasaka	Fully-Automated Car	https://youtu.be/ikANKI5mumE
Kentaro Hayata	Little fast on that bike, aren'tcha?	https://youtu.be/8UZd53gNYel
Taakun from Yamaguchi	Stop at the white wall! Festival Croc Carrier	https://www.youtube.com/watch?v=J-urPHw0Okc
Aren Yamada	A Safer Car	https://www.youtube.com/watch?v=Ra9TZ94nQgs
Mikio Takayama	The Light Car	https://www.youtube.com/watch?v=0vo251m5gKo
Daichi Yashiki	Don't ignore me! Automatic Crossing Signal	https://youtu.be/oSUGV3pxKMo
Kirin Takahashi	Sewafo ☆	https://youtu.be/cTtZS74S9oU
Yuki Otani	Car stop right now	https://youtu.be/fA2Vji3oWLO
Yusei Takata	YT-BIKE sensing bicycle	https://youtu.be/0li8dZgwiiI
Yamato Ikegami	Moving Walkways on the Highway	https://youtu.be/eTSRgHbSzGO
Kenta Mizushima	Auto Light car	https://youtu.be/AQXhullu6sc
Hitoro Kato	Bumpy Crossing	https://youtu.be/FeAtsHLR6UA
Sota Mori	Speeder Catcher	https://youtu.be/1L3qR6z1wKw
Shiho Nakabayashi	The Safety Accessory: Help prevent collisions for the visually impaired	https://youtu.be/z8ePiO5sApc
Daiki Kojima	Stop Accidents No Matter What	https://youtu.be/1Rzdco3GVa4
Masaki	Cyclist Car Detector	https://youtu.be/qE9070CGrpQ
Kai Miyazaki	Never Mistake the Accelerator for the Brake	https://www.youtube.com/watch?v=eLYtPu7NB7M
Akira Takahashi	Stop Ignoring Signals	https://youtube.com/watch?v=YInLLm5KHSg&feature=share
Takuma Onishi	Car Warner LED Robot	https://youtu.be/ZQpSuliCzMA
Miyu Yokoi	Bad Parking Homerun	https://youtu.be/PhY2LP7oCQg
Aya Nakasa	Raise Your Hand and Cross	https://www.youtube.com/watch?v=R4sUPJqLuaY
Rihito Ishimizu	Collision AVOIDER	https://www.youtube.com/watch?v=aTpvw-bW0Ck
Kaede Moriki	After Hours Trespass Robot	https://www.youtube.com/watch?v=dWdEGFAlInnA

Iku Samejima	Pedestrian Heaven	https://youtu.be/e2Jhfe9Fxfk
Yota Sakurai	Circuit Breaker	https://www.youtube.com/watch?v=X3E7nmrYpQg
Eita Tamaki	Li'l Danger Sensor	https://youtube.com/shorts/kFi8ubXULkY
Yuma Ito	Bad Crosser Stopper	https://youtu.be/uh0FvXpuUtc
Raito Doi	Mr. Light #4	https://youtu.be/Q17u10GK3x4
Shun Aoki	Stop Crashing on Turns	https://youtu.be/KZH3AtuMCRs
Shoma Matsubara	Stop Castle	https://youtu.be/okcWMIW1SFM
Hayato Hirao	Light and Sound Proximity Detector	https://youtu.be/yRSkOWL5fD4
Ryu Katsuyama	Moving Signal	https://m.youtube.com/watch?v=9dPAWzZgryg&feature=youtu.be
Yodai Fukuchi	Saaaaf to Cross	https://youtu.be/-xxIYO_oJM8
Teresa Tanizawa	Self-Stopper	https://youtu.be/dHDoHTZDRDE
Arata Hattori	The Speed Limiter	https://youtu.be/MOTnCWd00iM
Mizuki Fukuyama	LED Sidewalk with Speed Warnings	https://youtu.be/h78kpruda8Q
Yuki Otomo	No Signal Ignored! All Pedestrians Cross! No Slacking Traffic Signal	https://youtu.be/pXdYS-89fCE
Hiroyuki Yanagisawa	Auto-Brake for People	https://youtu.be/CSDHjx1zVkl
Sota Yoshihara	24/7 365 Traffic Safety Bot	https://youtu.be/7vC0aDoykwY
Takumi Funatsu	Auto Blink LED on Turn	https://youtu.be/og1siR5qKNQ
Kotaro Matsui	Speed Limiter on Narrow Roads	https://youtu.be/Ee4GKjvEoL4
Kaito Hori	Crosswalk Safety Machine	https://youtu.be/jclhLfv1onY
Daiki Kamiwaki	Light and Music Car	https://youtu.be/rfDIm_rxV_s
Tatsuki Kanzaki	Traffic Savvy Animal	https://youtu.be/lecm7b4dvyk
Ryuichi Kanda	Fallen Object Collector	https://youtu.be/iFKAYL7UCKs
Kei Kawaguchi	Marine Trash Detector	https://youtu.be/A5k5T0uwaFQ
Yuki Kobayashi	Wireless Signal	https://youtu.be/BQVohflv6ks
Reina Sugimori	Dennon Robo: Protecting Trains and People	https://youtu.be/JkHxZ6O84w0
Yu Watanabe	Crosswalk Safetybot	https://youtu.be/H3PE8ikS6ic
Nato Kamiyama	Traffic Safety Robot	https://youtu.be/1lCfimmYqCc

Yumu Sato	Jina-kun: Don't ignore the signal	https://youtu.be/AFnMowskGhY
Atsuto Otani	Anti-Congestion System	https://youtu.be/e12QZP4oLSg
Yuki Nagamine	Preventing Ignored Signals	https://youtu.be/zETAiLbTx1k
Tsutomu Takeuchi	Safe at the Crossing	https://youtu.be/RtpM047EJOI
Shogo Hashimoto	Automatic Parallel Parker	https://youtu.be/YtoWvbSlseA
Shuta Shibahara	Collision Avoiding Car	https://youtu.be/lbWgfCFGXXw
Nagisa Iwai	Collision Avoider	https://youtu.be/gD_vF7cs4c
Riku Yamaguchi	Mobile Traffic Signal	https://youtu.be/g5JnedQD0Ew
Takumi Matsumura	Smartphone Zombie Helmet	https://youtu.be/4YdxsqkJPQU
Tomoki Ohata	The Safest Car	https://youtu.be/Q_mGe9Tj5b8
Aya Osagawara	Snow Remover	https://youtu.be/L_G5-zueTWU
Yuki Miyajika	Derailment Prevention Crossing	https://youtu.be/j6IPEAWLe_k
Hiroshi Takashima	Safety Signal	https://youtu.be/EBtKwUpPchg
Koichi Tanaka	Protecting Kids at Crosswalks	https://youtu.be/veluRp_o0cc
Takeru Miyajima	Timer Signal at Railroad Crossings	https://youtu.be/9Fmne0hNzxc
Aina Kuneguchi	Pedestrian-Safe Airwalk	https://youtu.be/gQqinj8TtaYo
Fuma Nagashima	Illegal Vehicle Remover	https://youtube.com/shorts/pn6KjUIMbV4
Yuya Higuchi	Cars on the Roads of the Future	https://youtu.be/KJYz2Mp62Rk
Shoya Takeuchi	Danger Alert Signal	https://youtu.be/QBhfVPVmvL4
Miu Mihashi	Kids' Road Safety LED	https://youtu.be/m7ttRiF4LB0
Hayato	Safer Roads	https://youtu.be/a4JlaD4T7Gc
Rinka Ikeda	driver assist system	https://youtu.be/UvhZihIE_I4
Kotaro Wakayama	Seeing-Eye Dogbot	https://youtu.be/aA8okDsqETU

Overseas Participants

Name	Country	Submission	Video URL
<ul style="list-style-type: none"> • Alvi Sarker • Jalil Figueroa • Minh-Sam Ha 	Australia	John-Watson-28-Alpha	https://youtu.be/oIVIXHbaVnc+N5:N36
<ul style="list-style-type: none"> • Zaynab Fouani • Siti Naisre • Reem Sankari 	Australia	Rova	https://youtu.be/8_A8vpFBzCk
<ul style="list-style-type: none"> • Hanna Ramini • Lavenoa Kava 	Australia	Pop Bot	https://youtu.be/ojU1mU8SGTQ
<ul style="list-style-type: none"> • Brightden Nim • Logan Pham 	Australia	Gregory Dock	https://youtu.be/leggEH0g8QU
Han-kyeol Kim	Korea	A Reverse Circuit Breaker	https://youtu.be/cdmZItFYg0M
Matthew Jun-Mo Moon	Korea	Speedometer Gate	https://youtu.be/vN7-m5FfKoE
Jang Geon	Korea	Traffic Light	https://youtu.be/5vHquKhqzf4
<ul style="list-style-type: none"> • Gyu-dam Kwon • Sun-jae Kim 	Korea	Made an Airport System	https://youtu.be/iFUHKwikRgE
<ul style="list-style-type: none"> • Aran Cabeza • Ashleey Inostroza • Anahy Inostroza 	Chile	Potts Barrier	https://youtu.be/qPhOPvLMlaQ
<ul style="list-style-type: none"> • Luis Antonio Vega Triviño 	Chile	Safe crosswalk	https://youtu.be/SbSUFVlID90
<ul style="list-style-type: none"> • Cinthia Dailyn Gómez • Maria Camila Araque • Maria José Cuadros 	Colombia	Androide Roma II	https://www.youtube.com/watch?v=SQ4ADAMLbvU
<ul style="list-style-type: none"> • Mariana Sarmiento Linare • Paula Camila Duarte Camelo • Mattias Becerra 	Colombia	Cavaliere Robot	https://youtu.be/oQntm_PH7c

<ul style="list-style-type: none"> • Eliana Zanabria • Mariana Diaz Ocampo • Marlon Gómez 	Colombia	Lazaribot	https://www.youtube.com/watch?v=QmZZFnJejyc
<ul style="list-style-type: none"> • Danna Sofia Enríquez Santamaria • José David Montoya Garcia • Ana Maria Tarazona Leal 	Colombia	Smart Reducer	https://youtu.be/dZGbauH4Bb4
<ul style="list-style-type: none"> • AHMAD AIMAN DANISH BIN AHMAD SYAHIR • MUHAMMAD HARITH ZAEEM BIN HIZAMUDDIN • ADAM HARIZ BIN ABDUL HALIM 	Malaysia	SHARP TURN COLLISION AVOIDANCE SYSTEM	https://youtu.be/dc3popJoBxo
<ul style="list-style-type: none"> • FAIQA HANNAN BINTI MUHAMOD FAHMIR • NUR QASEH IMANINA BINTI HASSAN • NUR AMMARA ARISSA BINTI MOHAMAD ALI 	Malaysia	Disable Crosswalk Assist Module (DCAM)	https://youtu.be/PjQooNzn5d4

<ul style="list-style-type: none"> • MUHAMMAD ALIFF BIN NORHAMIZAM • MUHAMAD AFIF BIN MUHAMAD RIZUAN • ZULHAFIDZ BIN NGISA 	Malaysia	MICROSLEEP DETECTOR	https://youtu.be/EedhurMlxQl
<ul style="list-style-type: none"> • TAN SI WEI • BARTOLOMEW MARTINEZ WEBSTER ANAK BUJANG • ELEANA TING TZE QI 	Malaysia	YOROI BOT	https://www.youtube.com/watch?v=ZOWDUO-DdNA
<ul style="list-style-type: none"> • Yunxi Luo • Zixuan Wang 	Chinese Mainland (China)	Door opening and closing device to prevent collision with pedestrians	https://www.youtube.com/watch?v=yPzHqM3v10E
<ul style="list-style-type: none"> • Yuwei Zhang • Hanbin Deng 	Chinese Mainland (China)	Tunnel Speeding Reminder	https://www.youtube.com/watch?v=iitA4nO4VvI
<ul style="list-style-type: none"> • Yi Sun • Yuchen Shao 	Chinese Mainland (China)	Smart Safety Device at Crossroad	https://www.youtube.com/watch?v=vLTgsdkgj50
<ul style="list-style-type: none"> • Zi'ang He • Chen'ning Gu 	Chinese Mainland (China)	Road Safety Guard	https://www.youtube.com/watch?v=9KxBmirs7hA
<ul style="list-style-type: none"> • Wong Tik Yi, Jadon • Wong Tsz Wai Lionel • Wong Tik Hin Jasper 	Hong Kong (China)	Kwan Raphael	https://www.youtube.com/watch?v=tCfIF7Z8720
<ul style="list-style-type: none"> • Ngan Tsz Kit • Tam Yat Sum 	Hong Kong (China)	The Electronic Cone	https://www.youtube.com/watch?v=sT9iet3qns0

<ul style="list-style-type: none"> • Hung Chiu Kei • Lam Yik Kwan • Leung Ho Yin 	Hong Kong (China)	Smart Car	https://youtu.be/XmK2cmXz3D4
<ul style="list-style-type: none"> • ZHU IP KAN • LO CHUN LOK • HO HO 	Hong Kong (China)	Driving Assistant	https://www.youtube.com/watch?v=ZRxECabq7AM
<ul style="list-style-type: none"> • PERCY YAN • Hayden Kwok Hiu Yeung • Wong Ching Yim 	Macau (China)	Intelligent traffic light	https://www.youtube.com/watch?v=_rgHAewZGO4
<ul style="list-style-type: none"> • Bernardo Isaiah III Costes Escalona • Joedi Manuel Costes • Eddrich Manuel Costes 	Philippines	CROSSROADS OPERATING SAFETY SYSTEM (C.R.O.S.S.)	https://www.youtube.com/watch?v=x9r4CilgmfM
<ul style="list-style-type: none"> • Skylar Freya T. Ang • Samara Fionna T. Ang 	Philippines	Automated Cone Deployer	https://www.youtube.com/watch?v=b3W2xW1ztag
• Anaé Deprez- Dhellemme	France		https://youtu.be/VVyTwO4JT3E
• Gilles Caillaud	France		https://www.youtube.com/shorts/5CcqedoFdd8
• Dhimem Raymond	France		https://youtube.com/shorts/lfi9tS7tEvw?feature=share
Logez Eva	France		https://youtube.com/shorts/JK9i5CyMqV0
Yusei Takata	Japan	YT-BIKE sensing bicycle	https://www.youtube.com/watch?v=0li8dZgwiiI
Shiho Nakabayashi	Japan	The Safety Accessory: Help prevent collisions for the visually impaired	https://www.youtube.com/watch?v=z8ePiO5sApc
Takumi Matsumura	Japan	Smartphone Zombie Helmet	https://www.youtube.com/watch?v=4YdxsqkJPQU
Yamato Ikegami	Japan	Moving Walkways on the Highway	https://www.youtube.com/watch?v=eTSRgHbSzG0

Virtual Robotics

Participants: 36 (26 domestic, 10 overseas)

★ Overseas participants won preliminaries in their own countries. This year participants joined from Malaysia, Colombia, and Chile.

World Championship Results

Junior Division

1st

Malaysia

MI' MAR MUHAMMAD SINAN BIN HAFIZULFAHMI (Grade 6)

SRI AL-AMIN GOMBAK

2nd

Malaysia

AHMAD HASIF BIN SUPARDI (Grade 5)

SK SRI KULIM

3rd

Japan

Y.N ((Grade 9)

Smile Kids Children's Programming Class (Osaka Prefecture)

Senior Division

1st

Malaysia

ORHAN GHAZI BIN HAFIZULFAHMI (Grade 7)

SM ISLAM AL-AMIN GOMBAK

2nd

Malaysia

MANDY LEE EN TING (Grade 9)

SMK BINTULU

3rd

Japan

Takumi Nagiri (Grade 7)

Smile Computer School / Nango Junior High School (Kanagawa Prefecture)

Japan Qualifiers

Junior Division

1st

Hinata Inomata (Grade 6)

Smile Computer School / Kugo Elementary School (Kanagawa Prefecture)

Prizes

ArtecRobo 2.0 Basic Set (provided by Artec Co., Ltd.)

G-SHOCK (provided by Xob Co., Ltd.)

Tosho Card (provided by Daiichijushi Industry Co., Ltd.)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Tablet case (provided by ECC Co., Ltd.)

2nd

Y · N (Grade 6)

Smile Kids Children's Programming Class (Osaka Prefecture)

Prizes

Disaster Power Bank with LED Flashlight (3350 mAh) (provided by Elecom Co., Ltd.)

Tosho Card (provided by Zetta Linx Inc.)

Tosho Card (provided by Otsuka Corporation)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

Tablet case (provided by ECC Co., Ltd.)

3rd

Koki Ishizawa (Grade 6)

Axis (Aichi Prefecture)

Prizes

Tosho Card (provided by Otsuka Corporation)

Five-Minute Logic Drills (provided by Sony Global Education)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Tablet case (provided by ECC Co., Ltd.)

Senior Division

1st

FS3 (Grade 8)

Aoba Seminar Fukuma Ekimae Class / Kashii Daisan Junior High School (Fukuoka Prefecture)

Prizes

ArtecRobo 2.0 Basic Set (provided by Artec Co., Ltd.)

Quo Card (provided by Kunimatsu Co., Ltd.)

Disaster Power Bank with LED Flashlight (3350 mAh) (provided by Elecom Co., Ltd.)

Tosho Card (provided by Kamigumi Co., Ltd.)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

BUN Order Book (provided by Tosho Printing Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Tablet case (provided by ECC Co., Ltd.)

2nd

Takumi Nagiri (Grade 7)

Smile Computer School / Nango Junior High School (Kanagawa Prefecture)

Prizes

Tosho Card (provided by Zetta Linx Inc.)

SMASH Mechanical Pencils (3 colors) (provided by Pentel Co., Ltd.)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Tablet case (provided by ECC Co., Ltd.)

3rd

Akiko Baba (Grade 9)

Miyagi University of Education Junior High School (Miyagi Prefecture)

Prizes

Tosho Card (provided by Otsuka Corporation)

SMASH Mechanical Pencils (3 colors) (provided by Pentel Co., Ltd.)

Large notebook (provided by Kyowa Shiko Co., Ltd.)

Milk Paint Kit (provided by Turner Colour Works Ltd.)

Tablet case (provided by ECC Co., Ltd.)

Domestic Participants (26 participants)

Name
You Todori
Camellia Kutsuma
Mirai Nagaoka
Hinata Yamamoto
Sota Yamamoto
Meiki Tsukamoto
Masato Nakano
Rui Nomura
Nanaka Kuneguchi
Iki Kaito
Koki Ishizawa
Hinata Inomata
Kyosuke Ono
Mion Shigeta
Takumi Nagiri
Rikuto Ishiwata
Ryu Morimoto
Kenta Sasaki
Keita Yamamura
Tomohisa Furuichi
Yoshito Segawa
Reisuke Sowa
Shunichi Fukuda
Haruma Ono
Sota Nakagawa
Akiko Baba

Overseas Participants (10 participants)

Name	Country
Paula Duarte	Colombia
María Cuadros	Colombia
Lorenzo Pitta	Colombia
Juan Zacipa	Colombia
Ashleey Inostroza	Chile
Aran Cabeza	Chile
MI' MAR MUHAMMAD SINAN BIN HAFIZULFAHMI	Malaysia
AHMAD HASIF BIN SUPARDI	Malaysia
ORHAN GHAZI BIN HAFIZULFAHMI	Malaysia
MANDY LEE EN TING	Malaysia

From the Executive Committee

While the COVID-19 pandemic led to the Universal Robotics Challenge being held entirely online in 2021, the cooperation and hard work of numerous people made it a rousing success. We'd like to offer our heartfelt thanks for the help of all those involved as well as for the support given to us by our sponsors.

This competition marks six years of the Universal Robotics Challenge and our participants now include not only kids from across Japan, but from all over the world. We aim to work together as a team, continuing to bring the Universal Robotics Challenge to the world and preparing for an even more fulfilling competition in 2023.

We sincerely appreciate your continued support and guidance.