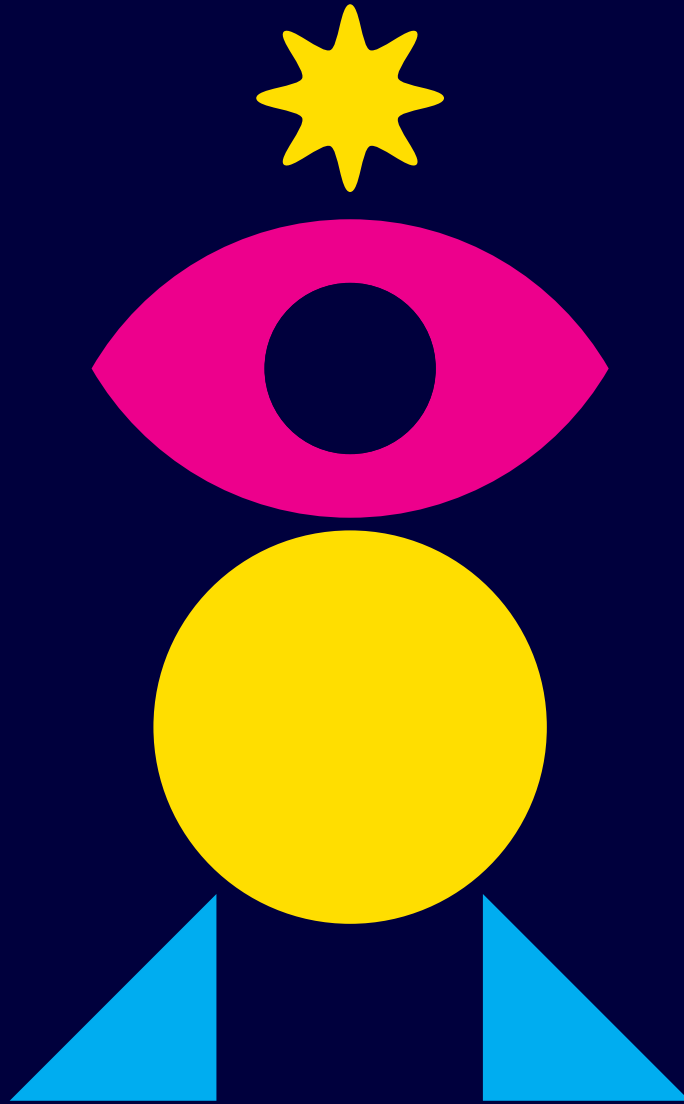# WRO UAE 2022
Online Competition Guide
RoboMission Category

Welcome! We hope you are excited to participate in the UAE National Qualifiers event of the World Robot Olympiad 2022.

As this is the second time that WRO is online, teams are required to submit the video of their best run online in order to be eligible to compete in the international finals. Please find below the competition rules and requirements:

COMPETITION RULES FOR 4 AND 5 JUNE 2022:

1. From 10:00 am onwards the competition link on the WRO UAE website to get your surprise rule will be live: http://www.wro-uae.com/
2. On this page you will find the online randomization and a stopwatch tools to time your team's run.
3. You must use these, and they must always be visible in the video during the run.
4. With the surprise rule on the table, you must record and submit your team's video within 24 hours (between 10:00 am on 4 June 2022 and 10:00 am on 5 June 2022 – submissions after this deadline will not be accepted).

TECHNICAL VIDEO SPECIFICATIONS:

1. Videos must be recorded in landscape mode (16:9).
2. Hold the phone camera still or use a tripod for image stability.
3. Conduct a sound check to make sure your voice is loud and clear.
4. Check your lighting to ensure all elements are clearly visible.
5. Use regular / automatic video speed (i.e. do not increase or lower the video speed).
6. Videos cannot be edited (edited videos will automatically be disqualified).
7. During the robot run, the camera must have a full view of the table and all elements.

VIDEO RECORDING RULES:

1. All team members must be featured / shown in the video.
2. No coaches or parents can be featured / shown in the video.
3. Prior to commencing your recording, position your robot in the designated start area on your table.
4. Team members are not allowed to touch the table, elements or robot at any point during the robot run.
5. You can only stop the robot at the end of your run.
6. Once the robot has stopped it must remain on the table in the position it stopped in and must not be picked up or touched.
7. The camera may then be panned over the table if necessary.
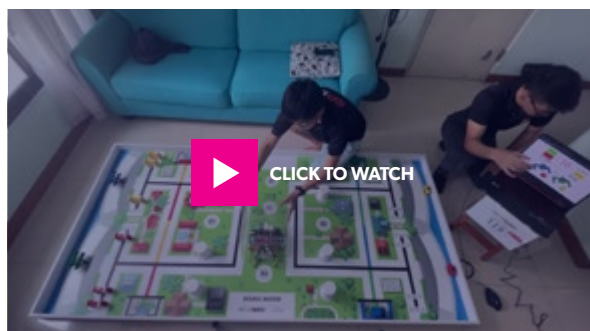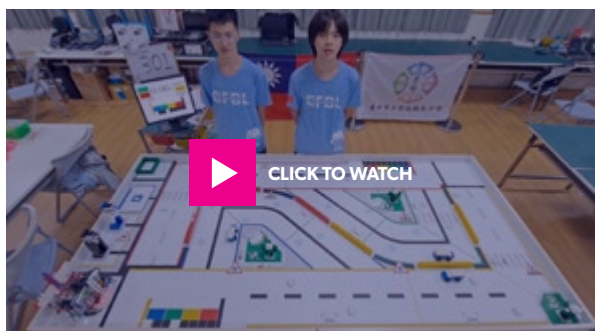
MANDATORY VIDEO RECORDING ELEMENTS / SEQUENCE:

1. All team members must introduce themselves at the start of recording.
2. Hold up an A4 sign with every team member's name and the competition category you are participating in.
3. Explain your program and design features.
4. The total introduction should be no longer than three (3) minutes.
5. One team member must count down "3, 2, 1, GO". On "GO" other team members must start the robot's program and the online randomization and stopwatch.
6. Please note, the robot running time cannot exceed 2 minutes.

VIDEO SUBMISSION REQUIREMENTS:

1. Provide a possible score for the submitted run.
2. Submit only one (1) video per team. Multiple submissions will lead to disqualification.
3. Upload your video to YouTube as an "unlisted video". Follow this link for a tutorial on how to do this.

If you have any problems with the video presentation, please refer to these sample videos:

GENERAL ROBOMISSION RULES (CHAPTER 3):

•   A team should play fairly and be respectful towards other teams, coaches, judges and the competition organizers.
•   Coding of the vehicle and its construction (if applicable) must be done by the team. The task of the coach is to help the team organizationally and provide support in case of questions or problems, but not to program the vehicle and/or construct it (if applicable). This applies to both, the preparation, as well as the day of the competition.
•   Teams should use their own work during the competition and not purchase or copy solutions made available online.
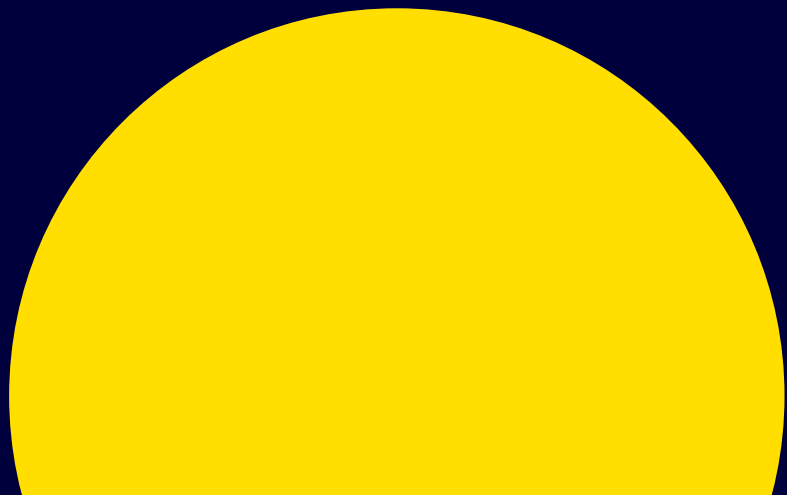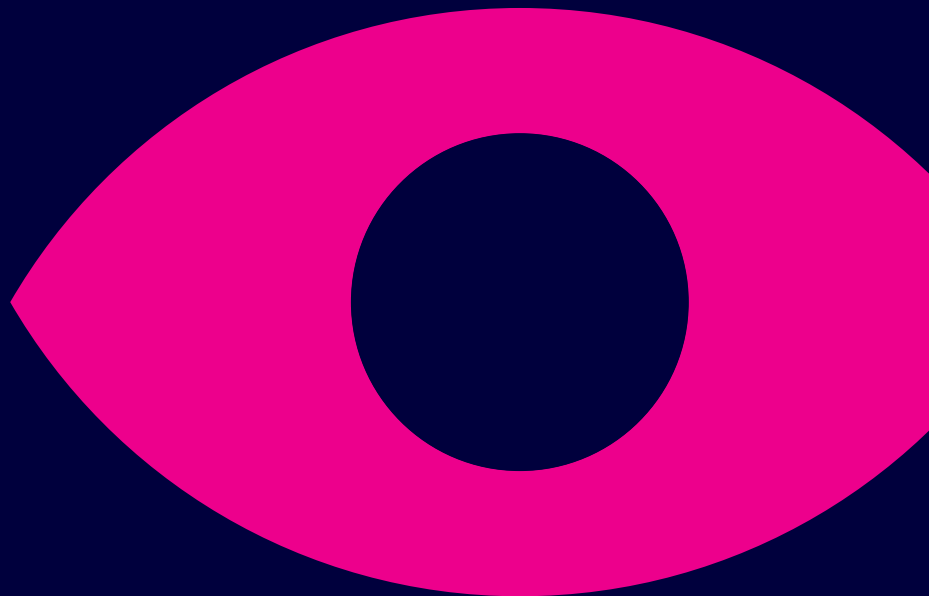
REASONS FOR DISQUALIFICATION:

1. The use and/or purchase of existing hardware and/or software is strictly prohibited and against all competition rules. However, these solutions can be used solely for training purposes and teams must not attempt to copy them. Please refer to Appendix 1 (page 6 onwards) for more details and information.

2. You are using a Bluetooth and/or wireless connection to the robot.

3. The robot is being controlled remotely and is not autonomous.

4. A team member touches the table, robot or elements on the table, before, during or after the run.

5. The video has been edited.

6. The timer has been tampered with or edited.

7. A breach of any of the general rules or rules for the regular age group category entered.

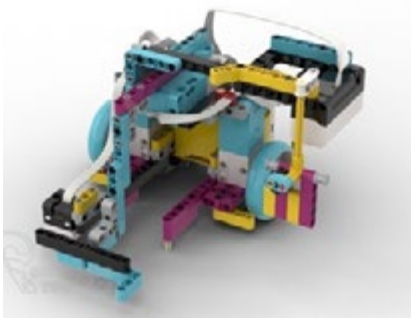**Kindly be informed that the judge's decision on scores is final.**

ONE TEAM. ONE ROBOT. LIMITLESS POSSIBILITIES. WE LOOK FORWARD TO YOUR CREATIONS!

Appendix 1

The use of the following existing hardware and software during the competition is strictly prohibited but can be used for training purposes:

ELEMENTARY CATEGORY:

Surrogate Robotics https://www.surrogaterobotics.com/build-instruction/E4898908AE264FEF-B1EE8F14D73A9275 **Using Spike Prime** **Video of the run:** https://www.youtube.com/watch?v=4uOxjOmR_UU	
Surrogate Robotics https://www.surrogaterobotics.com/build-instruction/8A34B34691B-8460FA654294DE6EB9E98 **Using EV3** **Video of the run:** https://www.youtube.com/watch?v=3G-bW3fHQBw	
ROBORISE-IT! https://roboriseit.com/en/prod-uct/wro-2022-elementary-catego-ry-spike-edition/ **Using a Spike Prime** **Video of the run:** https://www.youtube.com/watch?v=7OPx5FYKDdc	

Thãy Phong STEM

https://www.youtube.com/channel/UCPwMsAZuv-2Qj_kRiPUaqpw/videos

Using Spike Prime

Video of a part of the run:

https://www.youtube.com/watch?v=P9Vm7RWBYIs

Building instructions:

https://www.youtube.com/watch?v=oVh7WyRuMw8

Surrogate Robotics

https://surrogaterobotics.com/build-instruction/6BB527DF6D-3F4A2E890ED9BAAB3B42E7

Using EV3

Video of the run:

https://www.youtube.com/watch?v=Kr2sauEcwt4

Chelyshev Kirill

Censored video of the run:

https://www.youtube.com/watch?v=MznsZ5NEZfw

Mad Robots

https://www.youtube.com/channel/UCXmR_Jv2vg5zOgIYoS7ZxgA

Censored video of the run:

https://www.youtube.com/watch?v=WgITbGu4nDE

JUNIOR CATEGORY:

Surrogate Robotics

https://surrogaterobotics.com/
build-instruction/6BB527DF6D-
3F4A2E890ED9BAAB3B42E7

Using EV3

Video oft the run:
https://www.youtube.com/
watch?v=Kr2sauEcwt4

Thãy Phong STEM

https://www.youtube.com/channel/UCPwMsAZuv-2Qj_kRiPUaqpw/videos

Censored video of the run:
https://www.youtube.com/watch?v=hDuL3RyP60E

Surrogate Robotics

https://surrogaterobotics.com/build-in-
struction/47C0114C20ED486BB-
5C6408ABFB6726E

Using Spike Prime

Video oft the run:
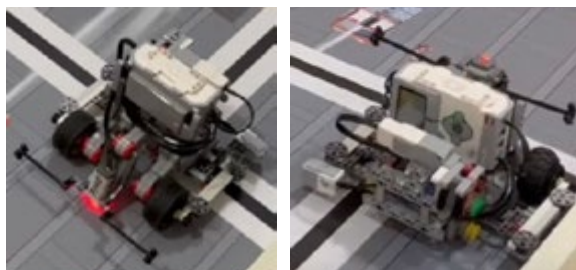https://www.youtube.com/
watch?v=OG255I7lqjk

Peter Pan
https://www.youtube.com/user/
AKK805/videos

Using EV3

Nuttanon Yolnawa

Video of an idea (no complete robot):
https://www.youtube.com/watch?v=unaJHIk1RVs

SENIOR CATEGORY:

Mad Robots

https://www.youtube.com/channel/UCXmR_Jv2vg5zOgIYoS7ZxgA

Censored video of the run:

https://www.youtube.com/watch?v=nocnNNMmWgU

Mechanical Handsome

Concept ideas for parts of the run:

https://www.youtube.com/watch?v=O-LEQKBTsybs