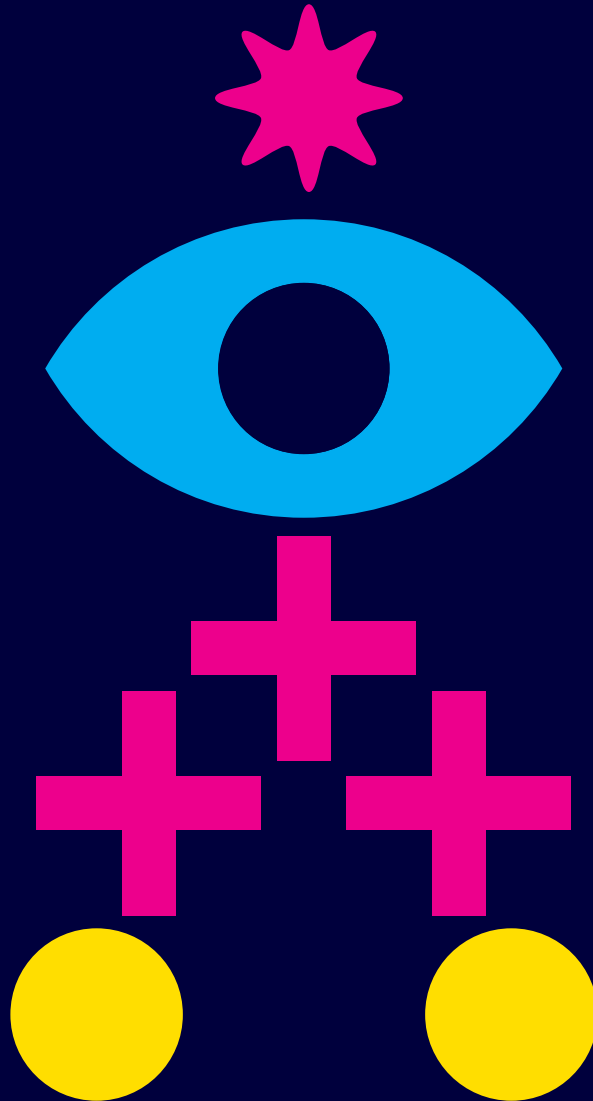# WRO UAE 2022
Online Competition Guide
Future Innovators Category

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 a video demonstrating their robot. The video should be a good pitch for the project - presenting the problem, the solution and the team in order to be eligible to compete in the international finals. Please find below the competition rules and requirements:

TECHNICAL VIDEO SPECIFICATIONS:

1. Videos must be recorded in landscape mode (16:9)
2. Either record your video in English or use English subtitles.
3. Hold the phone camera still or use a tripod for image stability.
4. Conduct a sound check to make sure your voice is loud and clear.
5. Check your lighting to ensure all elements are clearly visible.
6. Use regular / automatic video speed (i.e. do not increase or lower the video speed).
7. You cannot edit the recording of the robotic demo but you can edit other video elements.
8. Videos must not exceed 1.5 minutes.
9. Videos can be in any of the following file formats: avi, mpeg, wmv, mp4.
10. THE VIDEO FILE SIZE CANNOT EXCEED 100 MB.

VIDEO RECORDING RULES:

1. All team members must be featured / shown in the video.
2. No coaches or parents to be featured / shown in the video.
3. Use any location as your booth, either outside or inside - be creative!
4. Add printed posters in the background or include digital posters in your video.
5. Start off with a team introduction.
6. Follow with a project presentation / overview. For this to be a good pitch, it should state the problem and outline the solution.
7. Conclude with your robotic demo.
8. You must record and submit your team's videos at 10:00 pm on 1 June 2022.

REPORTING REQUIREMENTS:

It is mandatory to submit a written and illustrated report, as well as a video summarizing what the robot can do, in which way the robot is unique and conforms to the theme.

The report must include a visual description, include pictures, diagrams, and/or photos from different angles and an example of the program.

For the national & international finals, teams must electronically submit this report based of the following specifications:

1.   Maximum number of pages: 20
2.   File type: PDF
3.   Maximum file size: 15 MB
4.   Language: English
5.   Content structure:
   - Team introduction and roles (max. 1 page)
   - Project summary (max. 1 page)
   - Presentation of the robotic solution (max. 12 pages including photos of your robotic solution and/or screenshots from the coding):
     o Project evolution during the preparation phase
     o Research into similar available ideas (if any)
     o Construction of the solution
     o Coding of the solution
     o Challenges during the development process

   - Social impact & innovation (max. 6 pages):
     o Impact of your solution on (local/global) society (include possible negative effects)
     o One tested, practical use case of your idea
     o Junior & senior age group only: Answer the other questions for this area that are asked in the scoring sheet for these age groups

IMPORTANT NOTE: For the elementary age group, the chapter about the robotic solution should be max. 15 pages, the chapter on social impact and innovation max. 3 pages.

Actual competition rules for 4 and 5 June 2022:

- All teams will get an online, live interview with the judges during the event.
- In addition, you will be allocated five (5) minutes to present the project.
- You will then have two to five (2-5) minutes to respond to the panel's questions.

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