

# WRO UAE 2022

## Frequently Asked Questions





**Q1: When does the WRO UAE 2022 competition take place?**

**A1:** From 4 to 6 June 2022.

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**Q2: What is this year's competition format?**

**A2:** WRO UAE 2022 will take place online.

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**Q3: Since WRO UAE 2022 is online, what will that look like?**

**A3:** We are providing an online platform which contains all competition rules and tools. Teams submit their competition videos on the specified days. The competition will kick start with an opening ceremony inviting all teams and attendees, a surprise rule will be announced, teams will submit their competition videos, judges. It will be a visually-rich online venue that helps bring people from all over the world together network, attend sessions, exchange information & interact with digital resources of interest.

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**Q4: Are the national and international competition rules the same?**

**A4:** No, please visit the WRO website for details on the international competition.  
<https://wro-association.org/>

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**Q5: What are the WRO UAE 2022 competition rules and where can I find them?**

**A5:** The rules depend on the category you are participating in.

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**Q6: Does every team need a coach?**

**A6:** Yes, having a coach is mandatory.

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**Q7: Does the coach have to be a teacher or can it be somebody else?**

**A7:** Anybody over the age of 18 with experience and passion for robotics can be a coach.

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**Q8: Can a coach work with multiple teams?**

**A8:** Yes, coaches may work with more than one team.

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**Q9: What is the role of the coach?**

**A9:** 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.

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**Q10: Can I be a member of multiple teams?**

**A10:** No, you can only be a member in one team.

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**Q11: Can my team compete in multiple categories?**

**A11:** No, a team can only compete in one category it has registered for.

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**Q12: What is meant by randomization?**

**A12:** The Future Engineers and RoboMission categories have an aspect of randomization at the beginning of each competition, which influences each run.

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**Q13: Do I have to use the online randomization and stopwatch tools?**

**A13:** Yes, it is mandatory to use these, and they must clearly be visible in your video at all times.

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**Q14: What is a game field?**

**A14:** The area which the vehicle must navigate within. The area may contain objects the vehicle must interact with as per the competition requirements.

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**Q15: What size does the game field need to be?**

**A15:** The size of the mat – 2362 mm x 1143 mm

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**Q16: What is the GitHub repo?**

**A16:** This is only applicable to the Future Engineers category and is a storage for the source codes of the programs managed with the version control system Git. The storage is provided by the github service (<https://github.com/>)

**Q17: Do we have to use a specific robotic kit?**

**A17:** Yes, the controller, motors and sensors used to assemble robots must be from LEGO® Education Robotics platforms NXT, EV3 or SPIKE PRIME or the LEGO® MINDSTORMS® Robot Inventor set. The HiTechnic Color Sensor is the only third-party element that can be added to this configuration. Only LEGO branded elements may be used to build the remaining parts of the robot.

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**Q18: If we are participants of the Future Innovators category, can we use our RoboRobo or Arduino microcontroller board?**

**A18:** No, the controller, motors and sensors used to assemble robots must be from LEGO® Education Robotics platforms NXT, EV3 or SPIKE PRIME or the LEGO® MINDSTORMS® Robot Inventor set. The HiTechnic Color Sensor is the only third-party element that can be added to this configuration. Only LEGO branded elements may be used to build the remaining parts of the robot.

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**Q19: Can we stop the robot during the run and start over if we are not happy how things are going?**

**A19:** No, you can only stop the robot at the end of your run.

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**Q20: Can I freely choose my video recording format?**

**A20:** No, videos must be filmed in 16:9 landscape mode.

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**Q21: What if one of my team members doesn't want to be shown in the video – is that ok?**

**A21:** No, all members of a team need to be introduced and featured in the video.

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**Q22: Can we also feature our coach or parents in the video?**

**A22:** No, only the registered team members must be introduced and featured in the video.

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**Q23: Instead of featuring the team at the beginning of the video, can we switch it around and introduce them at the end?**

**A23:** No, the team needs to be introduced before starting the robot.

**Q24: How many videos can my team submit?**

**A24:** If you are participating in the RoboMission and Future Innovators categories, you can only submit one video. If you are participating in the Future Engineers category, you must submit two videos: the qualifying match video and the final or actual match video.

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**Q25: Can we edit our videos after the run?**

**A25:** If you are participating in the RoboMission and Future Engineer categories, you are not allowed to edit your video. If you are participating in the Future Innovators category, you are not allowed to edit the recording of the robotic demo, but you can edit other video elements.

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**Q26: What is the deadline to submit my team's video(s) and other requirements?**

**A26:** These differ based on your participation category:

1. Future Innovators Category: **1 June 2022 at 10:00 AM**
  2. RoboMission Category: Between **10:00 AM** on **4 June 2022** and **10:00 AM** on **5 June 2022**
  3. Future Engineer Category:
    - Your qualifying match videos at **2:00 PM** on **4 June 2022**
    - Your final match video at **11:00 AM** on **5 June 2022**
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**Q27: Do we have to participate in an interview?**

**A27:** Only if you are participating in the Future Innovators category. Besides the interview, you will be allocated five minutes to present your project and then will have two to five minutes to respond to the panel's questions.

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**Q28: When and where will the international competition take place?**

**A28:** The International competition will take place in person in Germany from the 17 – 19 November 2022.