

WARM-UP

Deadline: 25.4.2021

Points: 5

Material requirements: Robot set with mobile base



Topic description

Welcome to the world of robotics!

We are glad that you have decided to participate in our online robotics tournament.

To get you ready for the tasks of the upcoming weeks it is important that you get to know your robot set and become mobile (what kind of robot kit you use is up to you).

If you don't have a robot set yet, you can find some ready-made sets on the Internet, which you can buy directly. If you want a bigger challenge, you can of course build your own set during the tournament. We also offer a limited number of rental sets. If you need help choosing a set, please contact us.

We wish you a lot of fun with this and the following tasks!

Task description

- **Build your own vehicle**
There are no limits to your creativity. Make sure that your robot can turn well and that no parts extend far over the side - this will make future tasks easier for you. To allow us to evaluate your task, please upload 2-3 photos of your robot.
- **Drive 50 cm forward and backward**
Try to make your robot travel a 50cm distance forward and backward as straight as possible. Make sure that we can see on the video you upload that the robot has really driven exactly 50 cm. Also, please upload the program code to control the robot in a suitable format that we can read.

Evaluation criteria

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- 2 - 3 photos of the robot taken
- Robot moved 50cm forward
- Robot moved 50cm backwards
- Submit program code
- Jury evaluation: The jury evaluates the quality and creativity of the submission.

