



Internet Solution and Consequence

Dear all,

This year again we see a lot of online solutions for our Regular Category out there. In the alignment with WRO Association we would like to give you an idea how we, at WRO INDIA, see this situation.

Over the last years, more and more online solutions are available on different platforms in the internet, in some cases you can buy a 3D model / building instruction and a ready EV3-file. This document gives you an overview about the solutions we have identified so far, for some we have more detailed information. We have been in contact with most of these resellers and ask them to stop selling online solutions. However, sometimes it is hard to come to a common understanding.

Last year, WRO association have done first steps explain our view on this issue. Wro Association have established our WRO Ethics Code (<https://wro-association.org/competition/wro-ethics-code/>) that clearly states that we do not want teams to use full copies in the competition and we want the students to develop everything on their own.

In addition, wro Association added information to General Rules for Regular Category (<https://wro-association.org/fileadmin/files/challenges/wro2019/WRO-2019-Regular-00-General-Rules.pdf>). We added that teams should take part with the Ethics Code in mind (9.1 and 9.2) and that we do not want to see copies / internet solutions (10). In addition, we gave ideas on potential consequences if you see a breach of rules (9.3).

Some of you reached out to us over the last weeks and asked what to do if you have a potential online solution / copy at your competition. Today we want to explain our view on that a bit more detailed:

For us at WRO India it is very important that teams that take part in WRO have a wonderful learning experience, building their own robots, and programming on their own software.

In our world of technology, it is true that we do not want to re-invent the wheel. Teams can get inspired from books, videos or other resources and use ideas to make their robots even better. In addition, it is ok that starting teams use the base model of the EV3 core set. BUT CLEARLY: It is not the idea of our WRO competitions that you can buy a complete solution online, come to the local/national competition, win the competition and



take part at WRO International Final.

If you have teams with solutions that are very similar to other solutions, We will talk to the team to find out who has done the work. After that we could also involve the coach in this talk. The teams need to be able to explain their robot solutions and their programs. If a team has used parts of another solution they should be able to explain why and what they have done different / better. If we identify a robot that is clearly not the work of the team (for example full copy from internet, or clearly built by the coach) We will disqualify the team.

We can use the WRO Ethics Code and Regular Category General Rules (as mentioned above) to argue and to support your decision. It could also be an option that we just say to a team: „We identified you as not having an own solution. You can take part today, but you cannot qualify for a national or international final.” In some cases, this might be a good consequence.

Wro Association will keep developing our competition formats further so that online solutions will be become less useful. Wro assocaition also keep pushing all existing sellers of solutions around the world..

Online Solutions WRO 2019

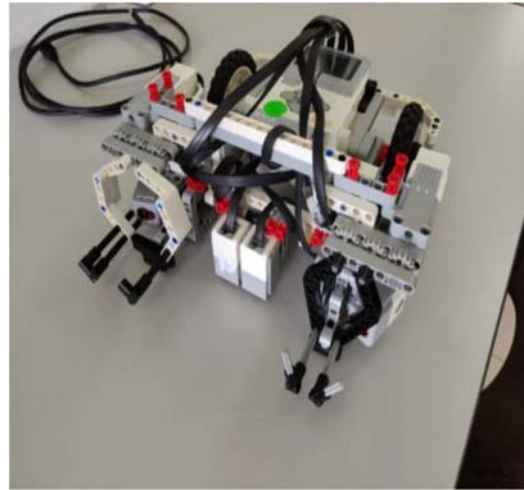
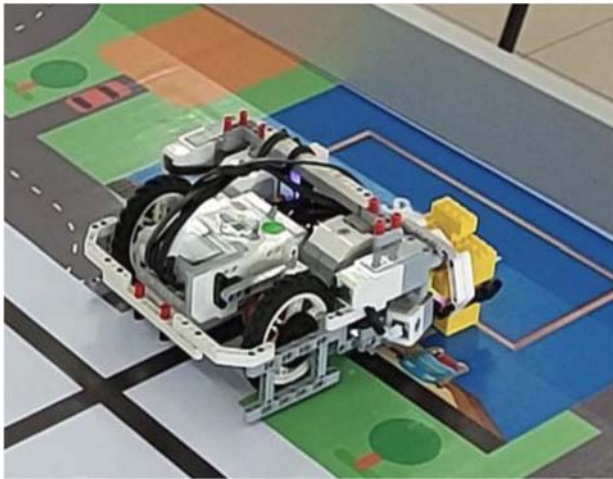
Version: 29.05.2019

The following online solution that are for sale Wro Association found over the last weeks. Of course, there are more videos online that just show a robot on the WRO mat without the intention of selling this solution with all the details (3D model, building instruction, program etc.).

Elementary 2019 Solutions

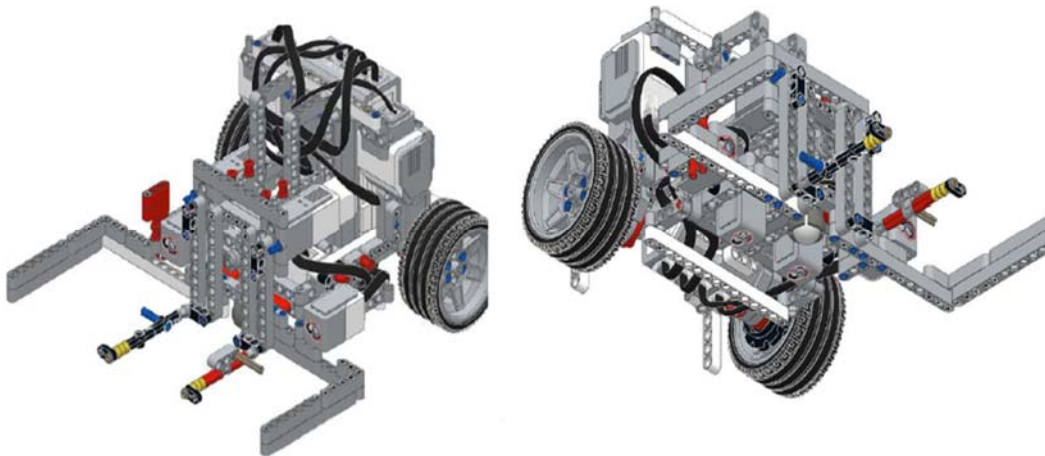
Tesslab Robotics, Malaysia, 30 USD, 22.01.2019

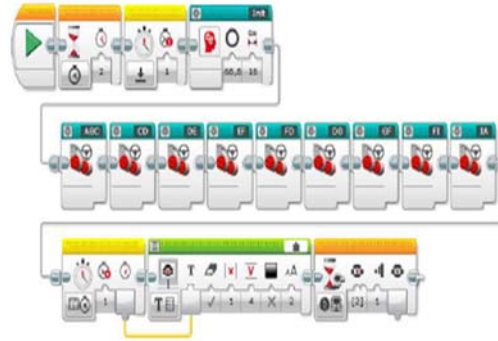
<https://www.tesslabrobotics.com/product-page/wro-2019-elementary-52sec>



Roboriseit, Company, Ukraine, 49 USD, 20.02.2019

<https://roboriseit.com/product/wro-2019-elementary-category/>





Pavel Tomshim, Russia, 150 USD, 10.05.2019
<http://robitware.ru/shop/wro>

Junior 2019 Solutions

Tesslab Robotics, Malaysia, January 2019 <https://www.youtube.com/watch?v=M-iS6hwu8c4>





INDIA

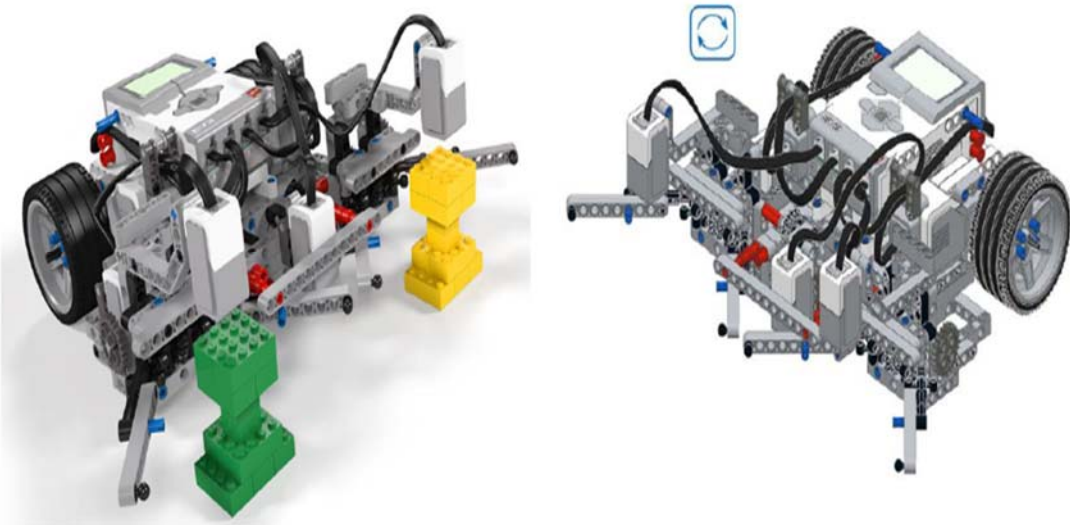
Rabbit Stallion, Country unknown, 20.03.2019

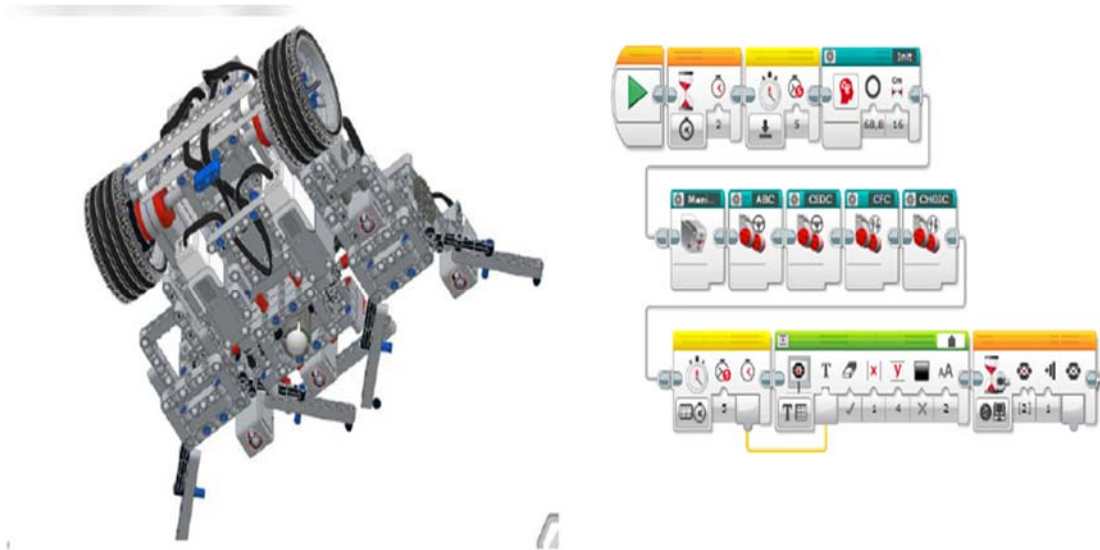
<https://www.youtube.com/watch?v=qbyEBw9vsyo>



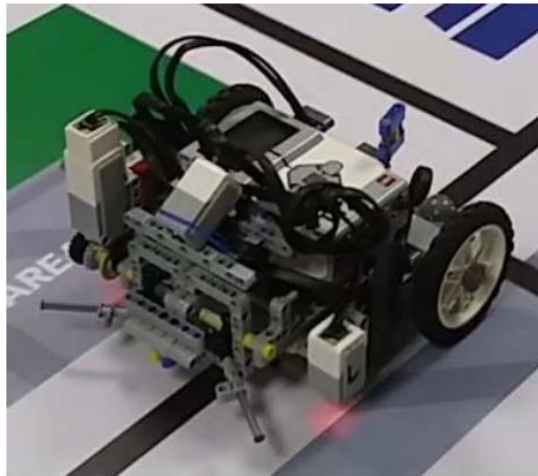
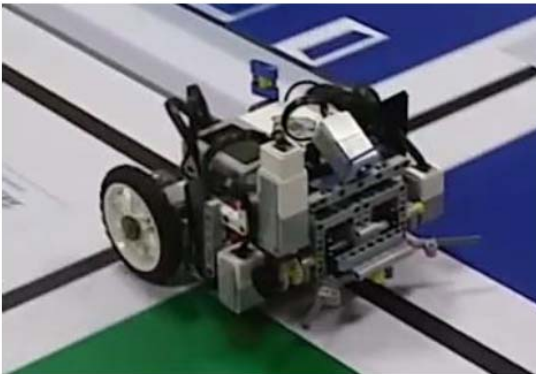
Roboriseit, Company, Ukraine, 49 USD, 22.03.2019

<https://roboriseit.com/product/wro-2019-junior-category/>



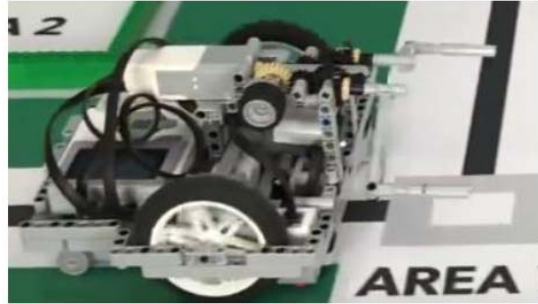
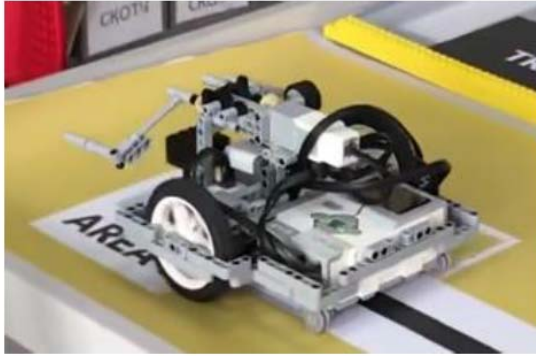


Kostiantyn Lunov, Ukraine, 50 USD, 29.04.2019
<https://www.youtube.com/watch?v=qbyEBw9vsyo>



BANANA Холкин, Country unknown, 10.05.2019

https://www.youtube.com/watch?v=am3Vqh_C03I



Senior high 2019

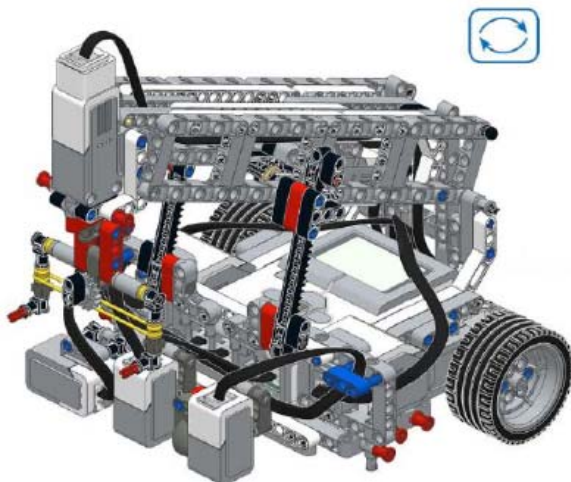
Mad Robots, Russia, 22.02.2019

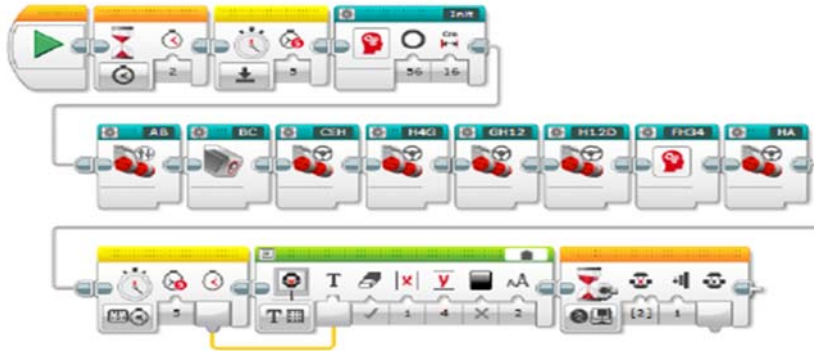
<https://www.youtube.com/watch?v=-FgrwPoiKH8>

No further information available.

Roboriseit Company, Ukraine, 13.03.2019

<https://roboriseit.com/product/wro-2019-senior-category/>





Tesslab Robotics, 150 USD, 13.05.2019

<https://www.tesslabrobotics.com/product-page/wro-2019-senior-high-1m30s>