Custom project

The goal is to build a model on any theme you choose. Make the model as interesting as you can. Referees evaluate a construction, creativity, idea, functionality but also a program, your own work and the ability to solve the problems. We recommend to prepare presentation about your model in advance.

There are no limits for construction of your robot. You may use any materials. Use your creativity and innovation.

Presentation of your model

There is no strict form of your presentation but we recommend to use the electronic presentation. In this case there is a need to send your presentation at least one day before competition to our email galeje-team@gmail.com. Your presentation must be attached in PDF format. Other formats are not allowed. If you do not send the presentation in the correct format you will get penalty points. The subject of the email is „[VM2019] ¡team name¿" (for example „[VM2019] Magicians"). If you want to use the other format of your presentation send it to us, too. At the competition there will be available a computer with PDF viewer. However, you can also use your own computer. Please write this request on the application form.

Presentation should contain the following information:

- Name of the team, school / organization, names of team members, team photo,
- Name of your model, description of the function, its use and benefits,
- Documentation of development – preparation of model, where the idea came from, developing your idea, photos from preparing of the model and also changes the robot came across from the first idea to the final model,
- Used electronics components ,
- What aspect is the one that you are most proud of, what was the most difficult for you, your vision to the future,
- Program, its description and demonstration .

Design, layout of the presentation and what you tell us about your model is only up to you. Try to make your presentation interesting, clear and comprehensible. Be careful of grammatical errors. Use photos to revive your presentation.

Time

At the beginning, every team has 5 minutes to prepare its presentation and model. Afterwards the team has 5 minutes for the presentation including presentation of functions of your robot.

Recommended time schedule of your presentation

- 30 seconds – introduce your team,
- 30 seconds – introduce your robot,
- 1 minute – „reasons" (where the idea came from, what your preparation looked like),
- 1 minute – construction (description of used electronics components, what part was the most problematic for you),
- 1 minute – program (prepare your program, you must be also able to show and explain to us the whole program, we need to see and know that the program was created by you),
- 1 minute – short presentation of the robot and conclusion (summarize your goals and if you achieved them).

You may adjust this time schedule your but be careful, it is not allowed to exceed the time limit (5 minutes). After your presentation referees will ask you some supplementary questions.

Rating

Rating consists of four equivalent categories:

- **Software** – a difficulty and efficiency of your program
- **Construction** – firmness and stability of your construction
- **Creativity and functionality** – originality and design of your model, interesting solutions of problems, functionality of the model during the presentation
- **Presentation** – an ability to react to questions promptly, speech of team members, interesting presentation.

In each category you may achieve from 0 to 5 points. The referees can assign up to 3 bonus points if they were specially impressed by your model.

The referees will announce exact standings only for teams at first five places, other teams will only be categorized into groups (i.e. teams at 6th-8th place, etc.) of teams with the similar scores but the referees were not able to decide which project was better.