



II. INTERNATIONAL GEBZE TECHNICAL UNIVERSITY KELEBEK ROBOT OLYMPICS

HÜNKAR ÇAYIRI ROVER CATEGORY RULES

- *The specified ones are for only “Hünkar Çayırı Rover” category. Except of these rules the general rules must be taken into account.*
- *Gebze Technical University Robotics and Automation Club has the right to change the rules if necessary.*
- *By 5846 numbered Intellectual and Artistic Works Law, it belongs to GTU Robotics and Automation Club.*

TASK DEFINITION

In this category, robots try to complete the track with the least number of faults in the shortest time by crossing the sections on our track where there are various obstacles which are previously determined

COMPETITION FORMAT

- In this category robots does not have to be autonomous. Robots can be manually controlled with a wired or a wireless remote.
- All the robots will be considered successful if they finish the course.
- Competition order will be determined with randomly.
- If there are no robots who finish the course, there will be ranking of competitors based on their points. If points are equal, it will be decided with their period of finishing the course.
- Referees will supervise and record the period and penalties.
- There will be white lines with 5 cm width on the borders of the course for autonomous robots to take reference.
- Water depth is 6 cm and robot's all wheels have to contact the water.
- Each section in the course will be separated with wood material, the thickness of the board material to be used is 8 mm high and 150 mm and 250 mm.
- Robots whose 2 or more wheels are out of the course will be disqualified.
- When robot's only one wheel lose contact with the course and come to a situation where robot cannot adjust itself, the chronometer will not be stopped until competitor intervenes and will not be resumed until robot is ready to continue to compete.
- Every intervention with hand has penalties. This penalty is reduction of 50 points from total points.
- Robots which damage the parkour intentionally is going to be disqualified.
- Referees can intervene if there seems to be a dangerous situation (smoke, short circuit, fire, etc.).



- In a competition where electronic, mechanic and software skills are evaluated; the robots who are made with readymade kits (RC device bodies, premade differentials, Lego circuits, etc.) are disqualified.
- Course can be revised with addition of water, adjusting of the mud, etc. If it is necessary.
- Competitors have to be in the competition are in 3 minutes after call out. Otherwise they will be disqualified.
- Robots have to finish the course in maximum 5 minutes. Robots who cannot will be disqualified.
- There are no right for technical break.
- There is no trial course.
- There will be only 3 rights for touching the robot during the competition.

Course Point Chart:

Brach-Bush	50	Sand	50
Surprise 01	175	Ping pong	100
Leaf	50	Surprise 02	175
Seesaw	150	Water	100
Gravel	50	Hill	50
Soil	50		

