



**RULES
BIPED RACE**



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1. Summary

BIPED RACE objective is to create a Biped Robot that runs a 1.5 Meter (150 cm) distance, as fast as possible.

All teams will solve the challenge live on the day of the event. There will be one qualifying round for all teams, a second round for the best 10 teams in the first round and a final round for the best five on the second round. In case of having 10 or less registered teams, the teams will do the 3 rounds.

The competition is open to participants of any age. Each registered team can have a maximum of 3 members and a mentor. If all the 3 members are under the age of 18, the mentor must be 18 y/o or older and must act as the adult responsible for the team.

2. Registration

All the information regarding registration can be found in <http://robojam.live/>



3. Rules Clarification

All those circumstances not foreseen in this set of rules, will be up to the judges and/or the tournament staff to solve. They will have the final decision on it and cannot be appealed.

By registering the team and paying the registration fee, the team understands and accepts all the rules presented here.

In case of being disqualified, or not showing up to the event, there will be no reimbursement of any kind for the team.

Rules could be modified until the registration due date. However, if there is any need to clarify one of the rules before the event, the teams will be notified

4. Challenge Setup

The team is responsible to get and organize all the elements necessary to participate.

It is strongly recommended to check the internet access and bandwidth ahead of time, along with all the devices (laptop, tablet, Cell phone, etc.) the team will use to stream the challenge.

5. Robot

- a) Any type of platform can be used. The use of a board (Raspberry Pi, Arduino, etc) is not necessary.
- b) It must be a Biped Robot, which means it needs to walk in two limbs that work as legs, alternating both sides (first one side and then the other).
- c) Wheals or Tank tread tracks are not allowed, since the robot needs to walk to cover the given distance. There can't be more than 2 points of contact with the surface (one for each leg).
- d) Maximum measurements for the robot base is 15 cm length x 15 cm width (See- Size sheet), without height restrictions. The base is the part of the robot that is in direct contact with the track.
- e) Robot must be autonomous.
- f) Must have a switch to turn the robot on and off.
- g) We want to clarify, these requirements are mandatory in order for the robot to participate. In case a team starts competing without complying with any of them the round will be considered null and the team can even be disqualified.



6. Competition

- a) Attending the captains meeting is mandatory and it is scheduled to take place one hour before the competition, in order to homologate the tracks and the robot.
Failure to connect to the meeting prior to the start of the challenge may have a time penalty.
- b) The robot must travel a distance of 1.5 meters (5 feet) as fast as possible.
- c) All teams will have one classifying round.
- d) Each round will have a maximum of 2 minutes.
- e) The robot stands before the starting line, and its time begins at the order of the judges.
- f) If the robot is touched during the round, it needs to go back to starting line, however the time doesn't stop.
- g) Time stops once the whole robot crosses the finish line or after the 2 minutes are up. In case of having 2 different times, the lowest time is assigned. In case of having 3 different times, the lowest and highest time are dismissed, and the one in the middle will be assigned as official.
- h) Time taken by the team members is considered a reference only. In case of doing it, the stopwatch must be visible the whole time.
- i) Best 10 teams (10 highest scores) in the first round will classify to a second round.
Best 5 teams (5 highest scores) in the second round will classify to a Final round.
In case of having 10 or less registered teams, the teams will do the 3 rounds and the best time of the 3 rounds will be taken.
- j) In case of a tie in the last position that gives classification (10th place in the first round or 5th place in the second round), the teams involve will move to the next round, without doing a tie break.
- k) For in person competitions, the organizer may have different rounds to connect the winners directly or qualifying rounds with final matches to get the winners. If this is done, it will be informed to the teams ahead of time.
- l) In case of a tie in any of the first 3 places in the final round, another round will be done as a tie breaker between the teams involve
- m) In case of calling a team, and not showing up, the team will be given until the end of the round to be able to show up and make their attempt. Otherwise the round will be declared Invalid.

7. Track

- a) The track has a length of 1.5 mt (5 feet) in a plane (not inclined) surface
- b) The width must be at least 15 cm (6 inches).
- c) The organizer will organize the track in all in person competitions, and for virtual tournaments the team can use books, walls, tables, or any other element to limit the width of the track, or they can leave it open.
- d) The starting and finish line must be clearly marked (electrical tape, marker, masking tape, etc.)



8. Penalties

Teams may receive a time penalty for not complying with any of these regulations. The time penalties are 3 seconds for each foul.

The judges and / or the staff can disqualify any team, at any time, for any fault that in their opinion is serious and is against the respect, ethics and education that is sought in the event. This includes, but is not limited to, any of the following situations:

- a) Fraud in the information shared with the organization or in the competition
- b) Dishonesty in the challenge, deliberately breaking the rules.
- c) Disrespect to judges or participants, during the competition or in the comments during the live streaming.

9. Claims

- a) The captains can file a claim in front of the judges, in case of having any disagreement.
- b) The final decision on any claim is at the discretion of the judges and / or the organizer, who are considered the last instance in the resolution of this situation and their decision is final, cannot be appealed.

10. Prizes

The first 3 places will be awarded with credentials for a ROBOJAM event. All other teams can request participation certificates.

Other additional prizes, such as cash prizes or sponsor gifts, will be assigned and communicated by the organizer at his own discretion, after the registration due date, but before the competition date.

Any question, please send us a message to
Info.RoboJam@gmail.com



BIPED RACE

11/11/2022

SIZE SHEET

