iRGT : International Robot's Got Talent

GENERAL RULES

- The team can have a maximum of 4 members.
- Any team that is not ready at the time specified will be disqualified from the competition automatically.
- The machine will be checked for its safety before the contest and will be discarded if found unsafe for other participants and spectators.
- The judges' decision shall be treated as final and binding on all.
- The organizers reserve the rights to change any or all of the above rules as they deem fit.
- Change in rules, if any, will be highlighted on the website and notified to the registered participants.
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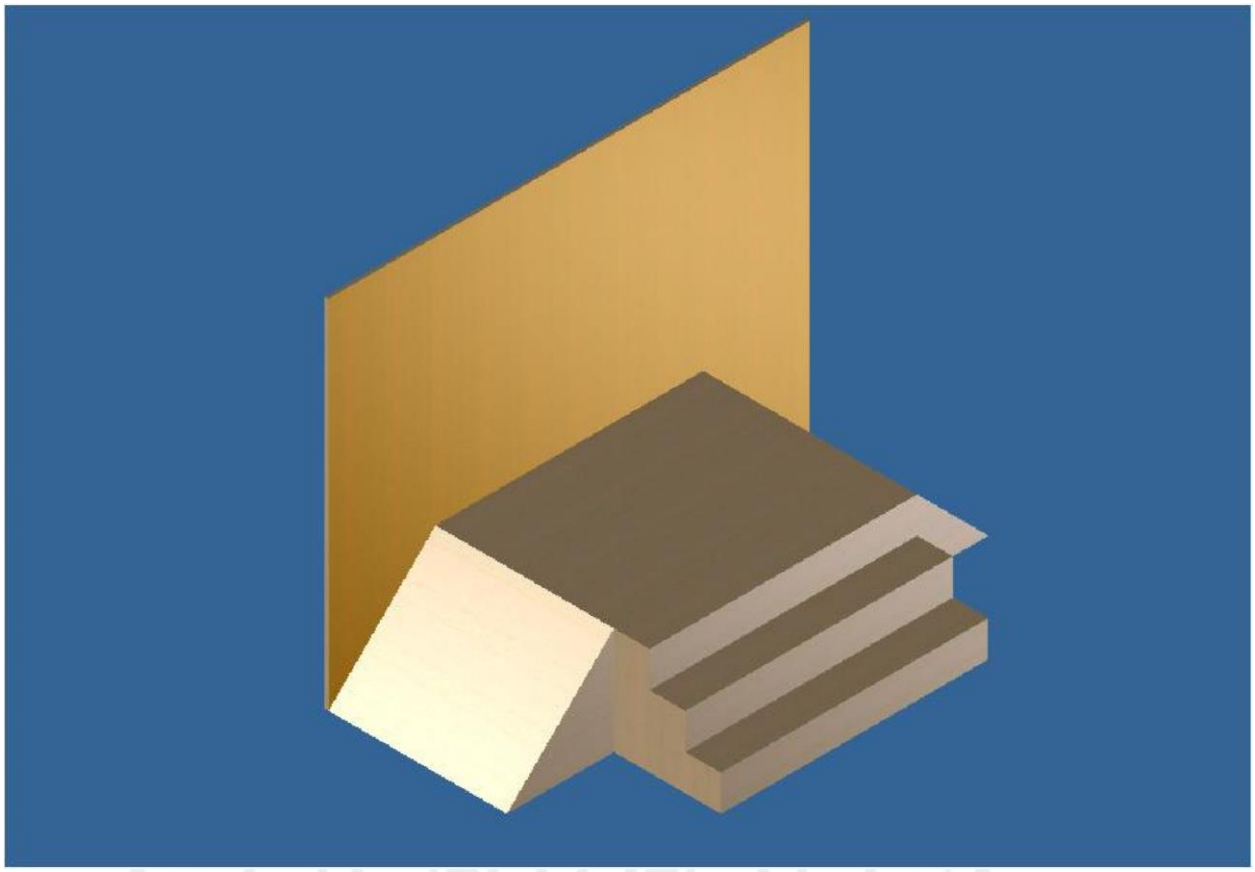
Event Rules:

- No restrictions on the number of bots and additional objects.
- Voltage rating of any component should not exceed 48 volts.
- A team would be disqualified if any part being used is found potentially dangerous.
- There is no time restriction while you set up the arena for your presentation.
- In case a robot stops working or the power supply gets disconnected, then a maximum of 2 interventions would be allowed to rectify the problem (the maximum time of such interventions should not exceed 1 minute; otherwise the time would counted under participation time) OR a single restart will be allowed.
- There is time restriction of 5 minutes while you set-up arena for your presentation, if you choose to restart.
- A sound system and 1 microphone would be available. Teams can bring their own music tracks if they wish.
- While the robot is performing no team member is allowed to enter the arena, unless there is a problem with the robot (as mentioned above).

In any case, the judges' decision would be final.

ARENA

- Depending on participant's choice, either the stage or the floor platform would be provided
- The floor platform's dimensions would be 4m X 4m.
- Stairs will be provided with step size .05m X .05m.
- Ramp of slope 45 degree will be available.



BOT SPECIFICATIONS

- The robot(s) can be manual and/or autonomous.
- There is no restriction on size and weight of the robot (however, it must fit within the arena).
- It can be wired or wireless.
- Communication between robots is allowed.
- The bot should not damage the arena or perform dangerous tasks in any manner.
- Use of Lego kits is strictly prohibited.
- On-board power or external power supplies are allowed, with a restriction that voltage rating should not exceed 48 volts.

ADDITIONAL OBJECTS:

- These are supposed to be used by robot (which would not be a part of robot) for performing various tasks and stunts.
- All such objects are supposed to be placed in arena before the start of the round. Hence plan your set-up as per the arena's size limit. No restrictions on size and weight.
- No restrictions on number of such objects used.
- Under no conditions, will any harmful or dangerous objects be permitted.
- In case the object(s) gets displaced/falls down (without the robot's intervention), then it can be replaced/rectified by a team member. However the time-count will not be stopped.
- Objects can be powered and moving (On board power or external power supplies are allowed, with a restriction that voltage rating should not exceed 48 volts).

GAMEPLAY

Qualifying Round:

- Would be a 3 minute round.
- The time starts after the team gets ready with the setup and the robot.
- Teams can present a part of their setup, i.e. all robots/ additional components (if any) may or may not perform.
- It is basically an elimination round to select suitable teams and so your innovation, creativity, sensibility (tasks performed as per your abstract) would be part of the judging criteria.
- No part of the robot should go out of the arena during the performance.

Grand Finale:

- Max time limit is 10 minutes.
- In this round your final presentation will matter a lot.

POINTS SYSTEM

Key grading areas would be:

- Innovation
- Design and fabrication of the robot (it's compactness and quality of work done)
- Fluency (flow of performance without any unexpected hang-ups)
- Degree of specified tasks accomplished (your tasks mentioned in your abstract would be taken as reference) Presentation

You can buy components from Sp Robotics