



UIU ROBOTICS
A Step Towards Infinity!



War Machine

Task:

- A fighting competition will be held between robots.
- Robots of two participants will fight systematically against each other at the same time with a weapon of choice. The team receiving the highest point will be the champion

Rules:

- Compulsory Team Registration
- A team will be allowed of maximum 5 members.
- At the time of the fight only 2 members can stay around the arena.
- Any means of wireless communication is allowed.
- All members must be undergraduate level students
- Team Members from different university are allowed.
- Team name is mandatory

Restrictions:

- Weapons which can cause any means of inconvenience (like involving fire, water, flammable fluids, gas etc.) are not allowed.
- The Robots should be compact (should not throw out parts externally)
- You are not allowed to jam any device (if caught the team will be disqualified)



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Robot Specification:

- Any type of bot (walker, hopper, roller etc.) can be used as long as it is well controlled and doesn't cause means of harm in the arena or to the audience.
- Maximum dimension of the robot allowed (any deviation of the sizes will be penalized):
 - Length: 45 cm
 - Width: 45 cm
 - Height: 35 cm.
- Maximum robot weight allowed: 15 kg
- The robot must have one weapon system with limitations.

Robots must be battery powered.

Point Scoring:

1. 20 points for getting up the ramp.
2. 25 points for pushing opponent down the holes in the arena.
3. 40 points for doing extensive damage to opponent by using own weapon or pushing him into obstacles inside arena.
4. 25 points for pinning opponents for upto 10 seconds in a corner.
5. -25 for falling down holes in arena by itself.
6. -50 for restarts. (Maximum of 3 restarts allowed)
7. 500 points if opponent fails to continue.

Arena Details:

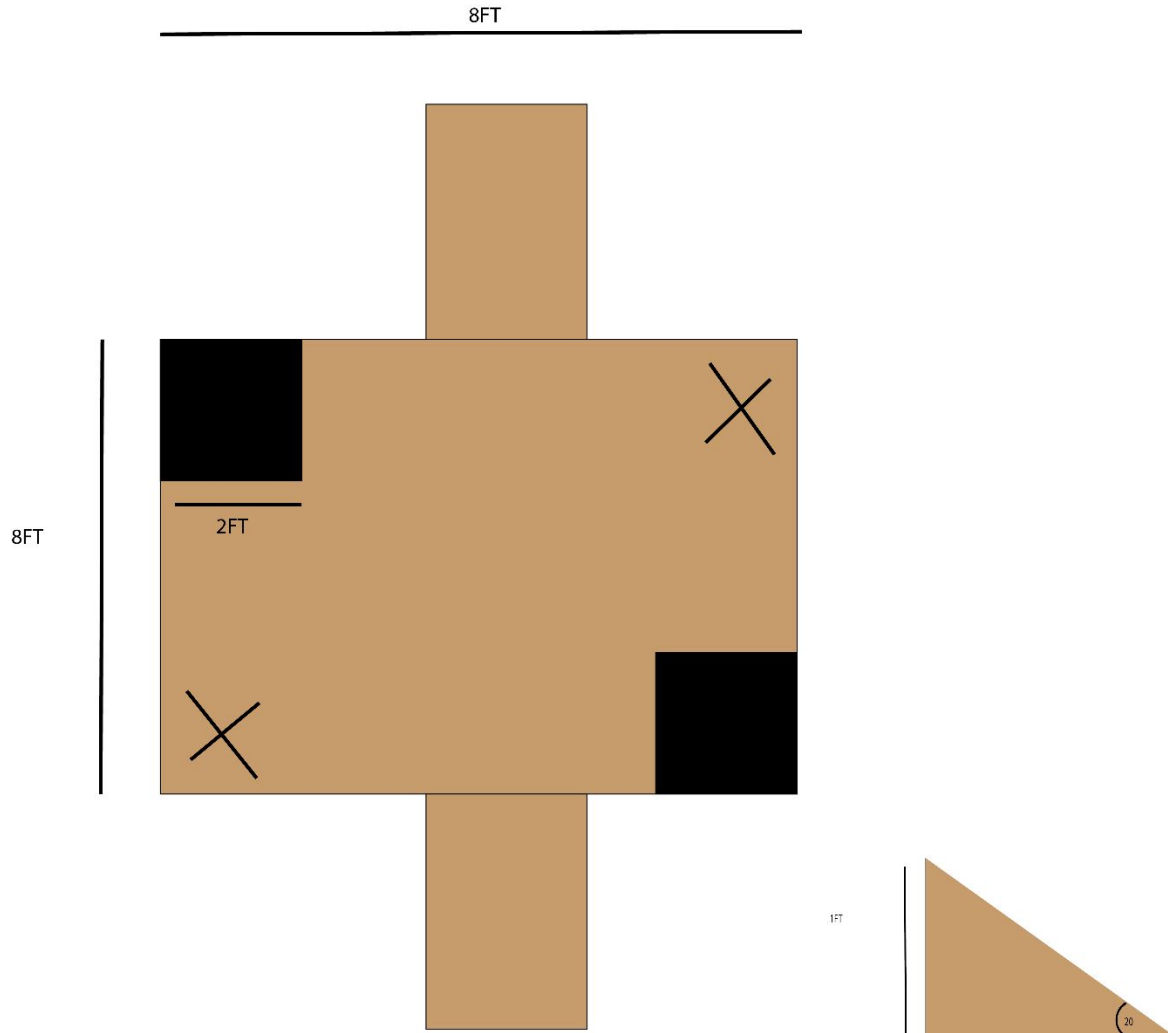
- Every bot has to climb a slope of 20°
- The height of the arena will be within the range of 1FT cm
- The whole arena will be covered by a cage



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- 2 robots will have 2 entries
- The arena will be 8*8FT
- Arena will have two holes and two weapons at each corner



Game Timing:

- The group stage battle will be for 3 min.
- The quarter final and semi final battle will be for 4 min.



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- The semi-final battle will be for 5 min.
- The final battle will be for 6 min.

NB:

- The organizer's reserve the right to make changes to any of the above in the interest of fair play and sportsmanship, and to ensure that all competitors have an enjoyable competition.
- **In case of odd number of teams qualifying, the two lowest scoring teams will have to play against one another and the winner will go through**
- **Robots must be battery powered.**
- In the event of ambiguity, the organizer's interpretation of any clauses of the rules shall prevail.

