

ROBOLUTION 2018

i-Fight

Rules:

1. Registration is mandatory.
2. Any team member can have maximum **6** members.
3. In the time of the fight only **2** members will be allowed to stay around the arena.
4. Mark distribution will be uploaded soon.
5. Any Communication is allowed, but it should be wireless.

Robot Specification:

1. The bot can be walker, roller, hopper or whatever as long as it moves around in a controlled manner without causing any damage to the arena or harming the audience.
2. Dimension of the robot must be (max)
Length: 45 cm, Width: 35 cm, Height: 35 cm.
Deviation of the sizes should be penalized
3. Maximum Weight of the bot is **12 kg**
4. The robot must have one weapon system with limitations.

Restrictions:

1. Weapons involving fire, water, flammable fluids and gas are not allowed.
2. The Robots are not allowed to throw anything or release anything externally. It should be compact.
3. Jamming device is prohibited, if caught the team will be disqualified

Power Supply:

Robots should be battery powered. Power mustn't be provided externally. There will be no external power source near the competition arena.

Arena Details:

- The Arena consists of 4 sets of wooden boards, where each one is of **145*175 cm²**
- There is a square size Hole of **70*70 cm²**
- Every bots have to climb a slope of 20°, where there is a basement of **60(L)*50(W) cm²**
- The height of the arena is **25 cm**



Game style:

There will be total 4 rounds. They are:

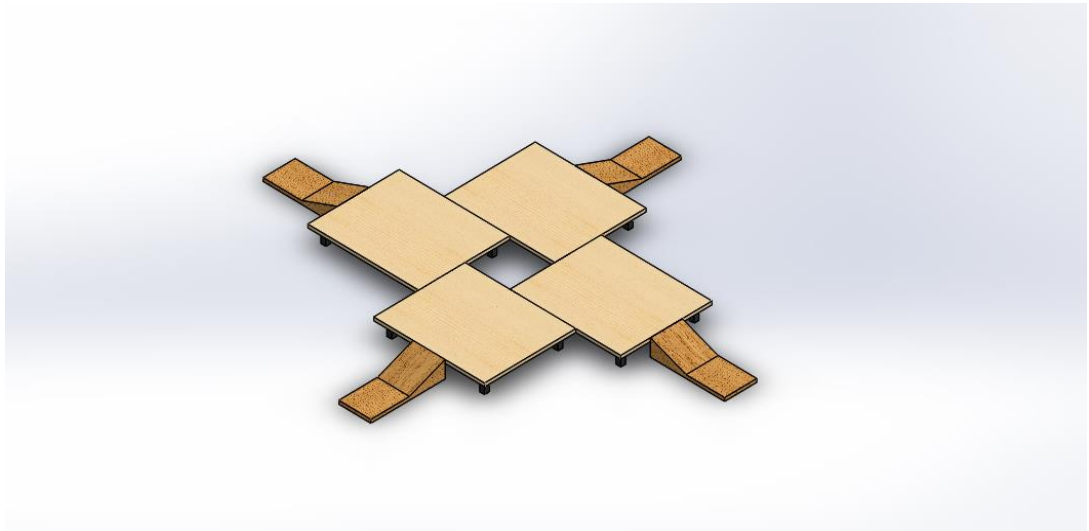
1. **Group Stage:** Participants will be divided into a number of groups. Number of groups and number of participants in each group will be decided after the registration.
2. **Quarter final:** This will be a round of four bots. Only one will be qualified for next round. 4 bots will be qualified for next round.
3. **Semi Final:** This will also be a knock-out round. Only one will be qualified for next round.
4. **Final:** Total 2 team will be fighting with each other

Game challenge:

1. The group stage battle will be for 2:30 min.
2. The quarter final battle will be for 3 min.
3. The semi-final battle will be for 3:30 min.
4. The final battle will be for 5 min.

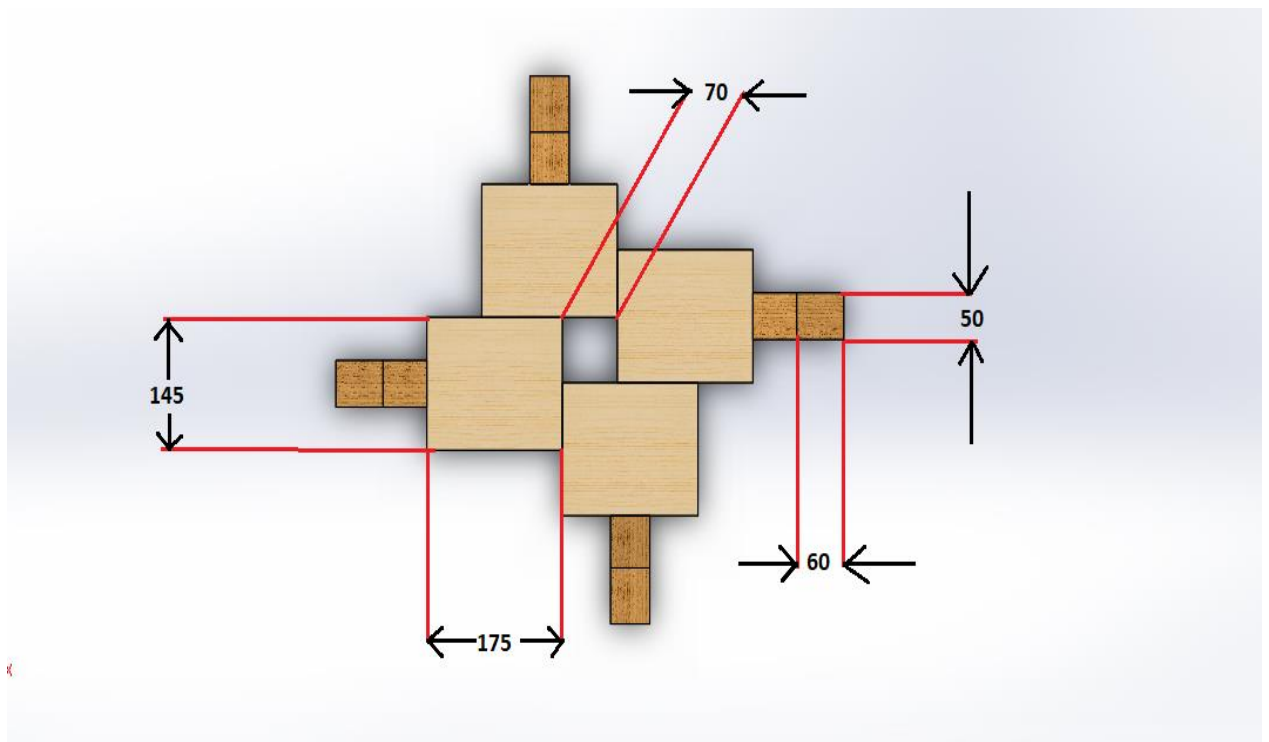
Arena Picture::

Isometric View of the Arena:

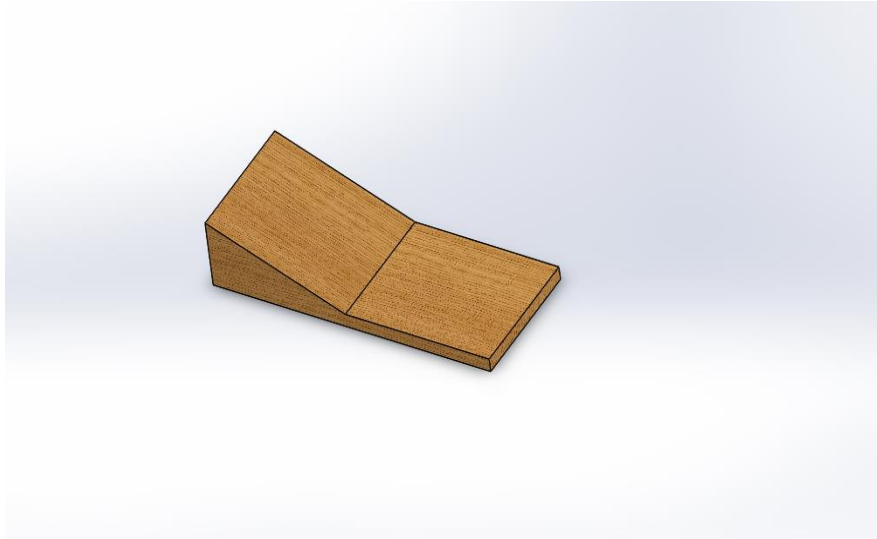


Isometric View of the Arena

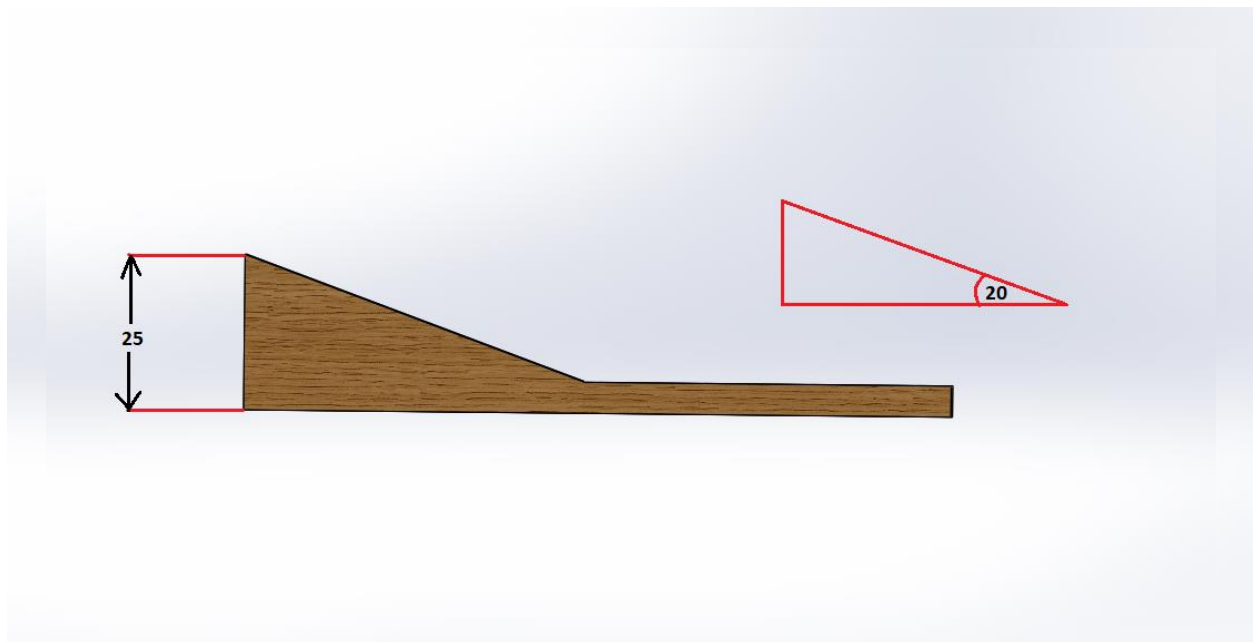
Top view with measure:



Slopes in Figure:



With Measurement:





NB:

1. 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.
2. In the event of ambiguity, the organizer's interpretation of any clauses of the rules shall prevail.

