

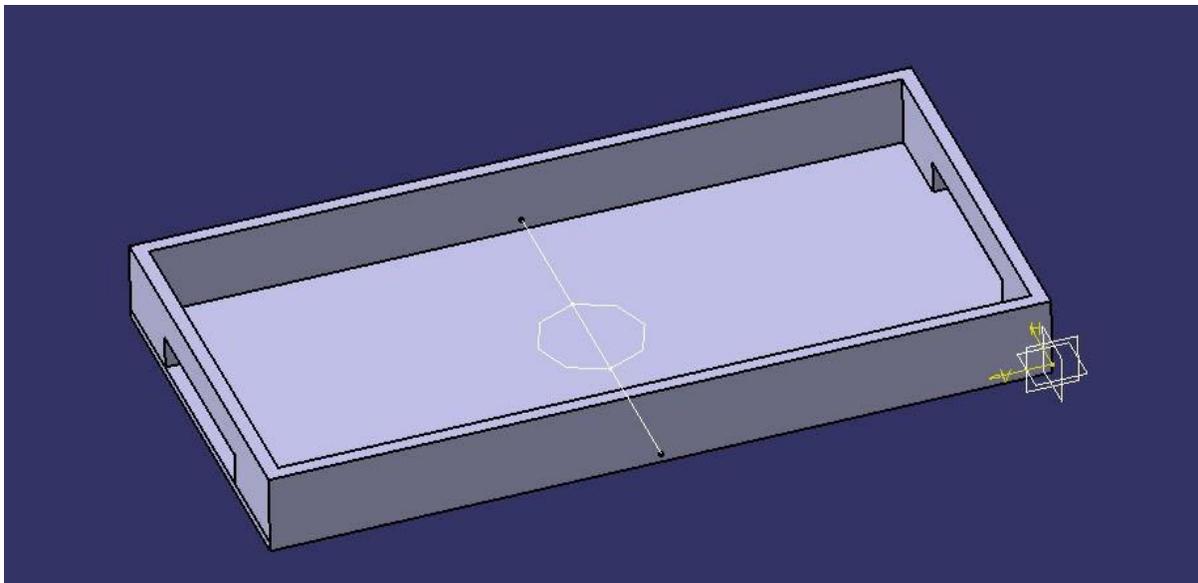
BOT HOCKEY

GENERAL RULES:

- The students must carry valid student ID cards of their college which they will be required to produce at the time of registration.
- Contestants will have to register online. On spot registrations can also be done.
- A team may comprise a maximum of **FIVE** participants.
- Readymade kits are **NOT** allowed. Judges' decision in this regard will be final and binding.
- The team is **NOT** permitted to compete with more than one bot.
- Teams will **NOT** be allowed to modify their bots during their trial.

EVENT FORMAT:

- Each match consists of two halves.
- The fixture/schedule of matches will be decided on spot.
- The matches will be held between two participating teams.
- The aim of the bot would be to hit the ball (solid) into the goal of their respective opponent.
- Time duration given for the one entire match will be 8 (4+4) mins.
- If by the end of the given time duration, the number of points earned by both teams is the same, the match will proceed into extra time of total 4 (2+2) mins.
- If even after extra time there is no result, then the decision will be made by the judges and this decision will be final and binding.



JUDGING CRITERIA & SCORING

- For each goal scored by a team, 4 points will be awarded.
- If bot enters the other half of the arena or restricted area, then 2 points will be deducted.
- If bot damages the arena or the ball in any way, 4 points will be deducted.
- 4 points will be deducted for the bot which is responsible for hitting the ball out of the arena.

SPECIFICATIONS

BOT SPECIFICATIONS

- The bot dimensions should not exceed 30 x 30 x 30 cm³.
- The weight of the bot should not exceed 15 kg.
- The bot can be wireless or otherwise.
- Readymade wireless remote control units may be used.
- In case wired control is used, the wire(s) must remain slack throughout the event. If the wires are visibly taut, the team will be disqualified.
- Single phase external 230V AC power will be supplied. Maximum voltage between any two points on the bot must not exceed 24 V DC or 24 V AC.
- The bot is not allowed to lift or hold the ball.

BALL DIMENSION

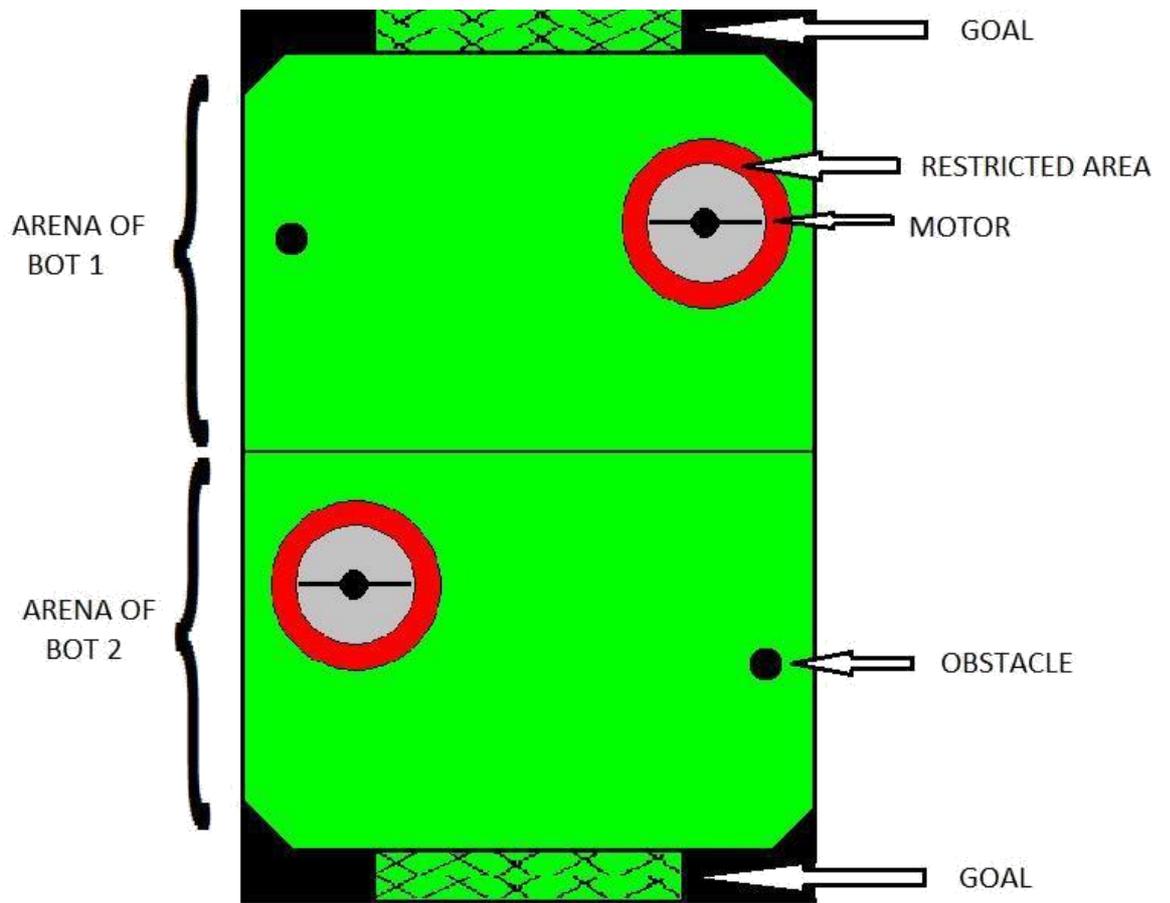
- Diameter of the ball = 3.5 - 4.5 cm
- Weight of the ball = 75 – 150 gm

MOBILITY

- All robots must have easily visible and controlled mobility in order to compete.
- Any machine component should not be detached (intentionally) during any point of the event.
- Methods of Mobility include:
 - Rolling (wheels, tracks or the whole robot)
 - Walking (linear actuated legs with no rolling or cam operated motion)
 - Shuffling (rotational cam operated legs)
- Note:
 - Jumping and hopping is not allowed
 - Flying (airfoil using, helium balloons, ornithopters, hovercrafts etc.) is not allowed

ARENA SPECIFICATIONS

- The arena will be rectangular, with its dimensions as 8*4 ft.
- The arena will be enclosed by wooden planks of height ranging from 10 – 15 cm.
- The arena will have obstacles and fans to redirect the motion of the ball.
- The width of the goal will be 2ft.



CONTACTS

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