



Hansaba College of Engineering & Technology

AAHVAAN '15

AQUA ROBO RACE

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❖ **Dimensions and Fabrication**

1. The machine should fit in a box of **dimensions 12x10x8 inches** (L x W x H) at every given point of the race.
2. The machine should be wireless or wired. But point system is different for wired or wireless ROBO.
3. **Machine should not exceed 6 kgs of weight including the weight of power source.**
4. The machine can be powered electrically only. The use of an IC engine in any form is not allowed.
5. Any ready-made assembly except remote control system is prohibited in the machine.
6. The machine must use only electrical power as source of energy. Use of Compressed gasses, fuels, chemicals etc. is prohibited.

❖ **General Rules & Regulation**

1. A team may consist of a **maximum of 3 members.**(members can be from different institutes)
2. Any team that is not ready at the event specified time will be disqualified.
3. The robot will be checked as per the specification by coordinator or co-coordinator.
4. Participants are requested to report for registration at the venue at least 30 minutes before the event.
5. Competition will be played on knock-out basis and winner will declared basis on time period.
6. No test practice will be allowed on the arena.
7. Terminals for charging the battery will be provided in the college. (only AC supply is provided)
8. Teams not following dimensional criteria shall be disqualified.



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9. Design and dimension of the robot should not be changed during the competition.
 10. Only one person will be allowed to control the robot around the arena.
 11. The decision of Judges and Co-ordinators shall be treated as final and binding on all.

❖ Game Field

1. The width of the track is 18 inches.
2. The entire game field is divided into no. of rounds. Each round contains various obstacles which are as follows:
 - Water passage (Submerge)
 - Bumpers
 - Oil
3. As Round is increase, obstacles also increase.

❖ Point system and Foul rules

1. **If ROBO is wireless then timing of race is multiply by 0.75**
2. The robot is not allowed to go out of the track. If it goes out of track the participants get 3 trials to touch the ROBO and put the ROBO at the same place but in every touch 30 second is increases in timing of race.

❖ Certification Policy

1. Certificate of Excellence will be given to all the winners.
2. Certificate of participation will be given to all the teams who will pass through the qualification round of the competition.

❖ Eligibility

1. All undergraduate students are eligible to participate
2. All students with a valid identity card of their respective educational institutes are eligible to participate in the event.