



**ST.VINCENT PALLOTTI**  
**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
GAVASI MANAPUR, WARDHA ROAD, NAGPUR - 441108



**TECHNEX'19**

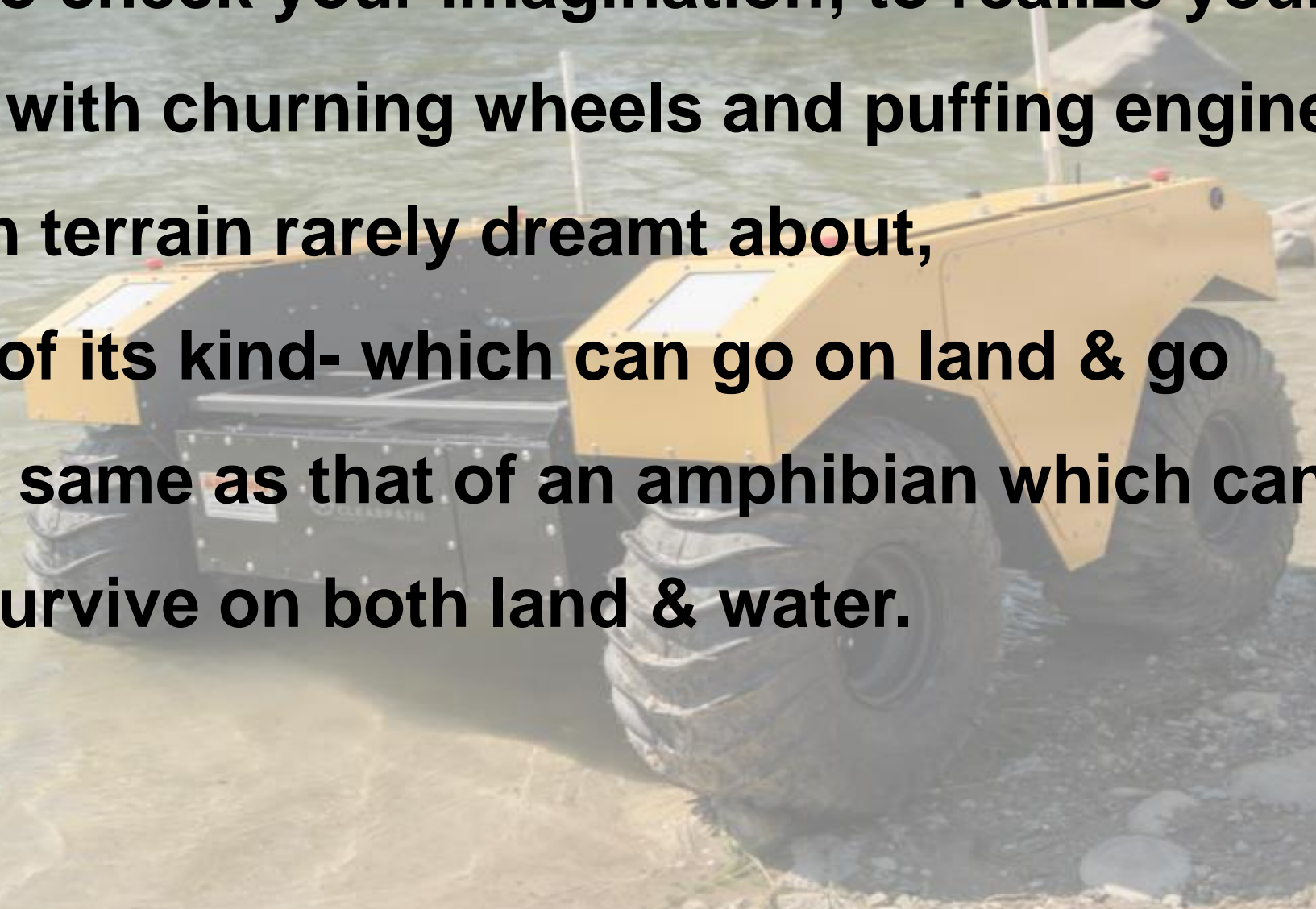


# AMPHIBOT


ABOVE ALL THE TERRAINS

**This event is to check your imagination; to realize your dream, racing with churning wheels and puffing engine on terrain rarely dreamt about,**

**A bot, one of its kind- which can go on land & go through water same as that of an amphibian which can survive on both land & water.**

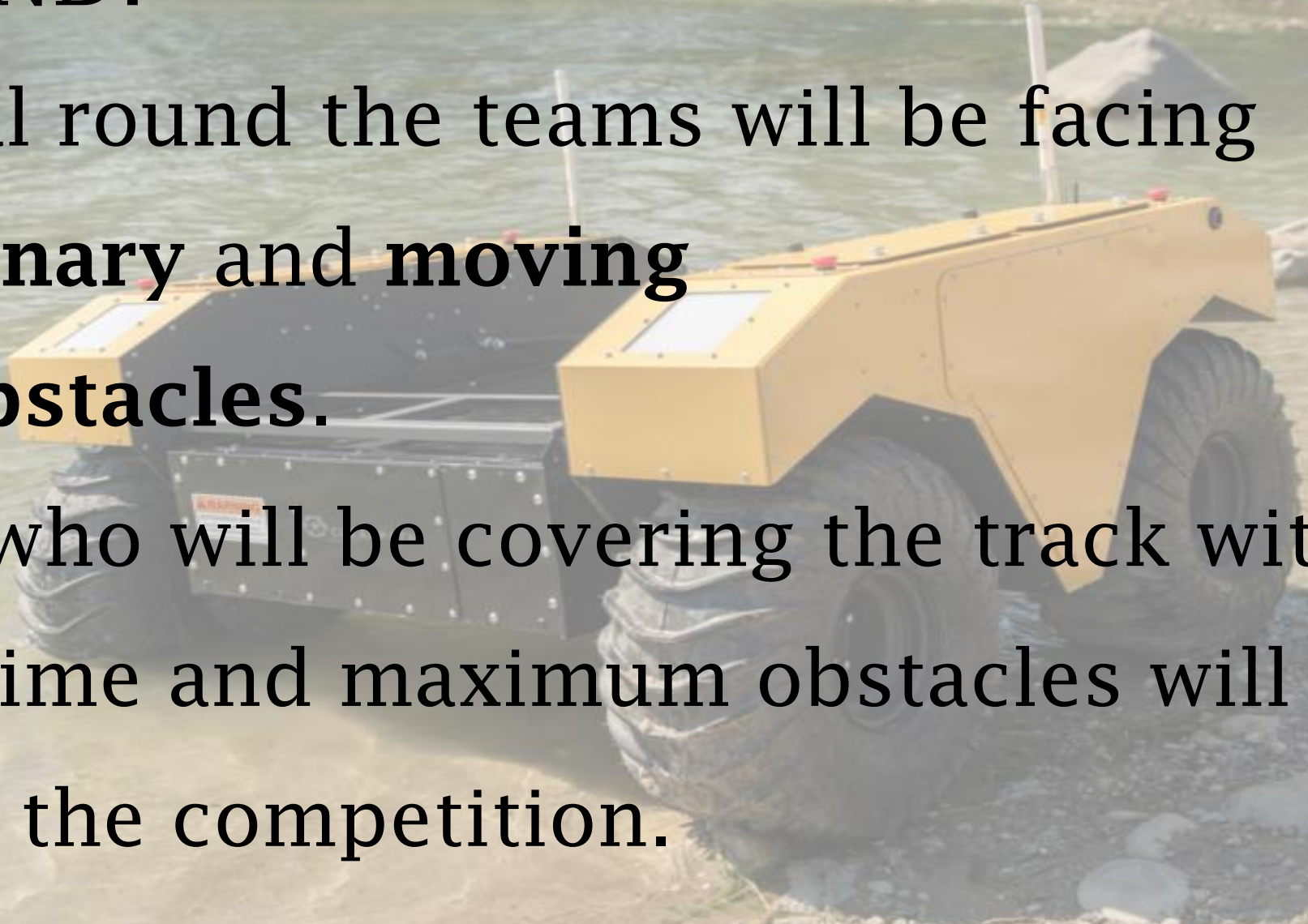


# **FIRST ROUND:**

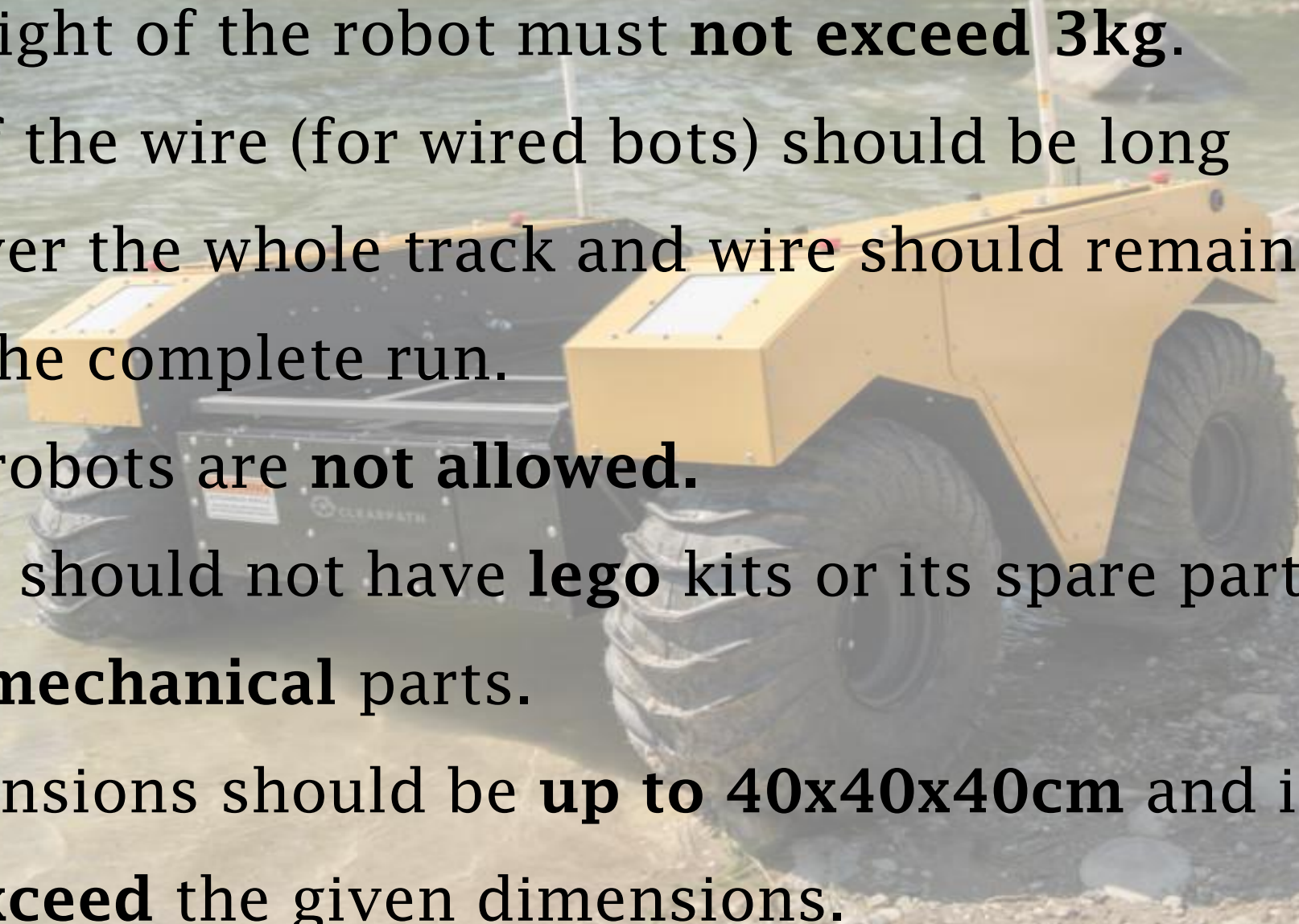
- **In the first round the bot has to complete the track in minimum time and 10 teams who will complete the track in minimum time will be qualifying for the next round.**
  - **The obstacles will be stationary for first round.**
  - **Hurdles will comprise of land as well as water obstacles.**
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- A yellow and black Clearpath mobile robot is shown on a track. The robot has a black base with 'CLEARPATH' written on it and yellow top sections. It has large, treaded tires. The background shows a body of water and a forested hillside.

# FINAL ROUND:

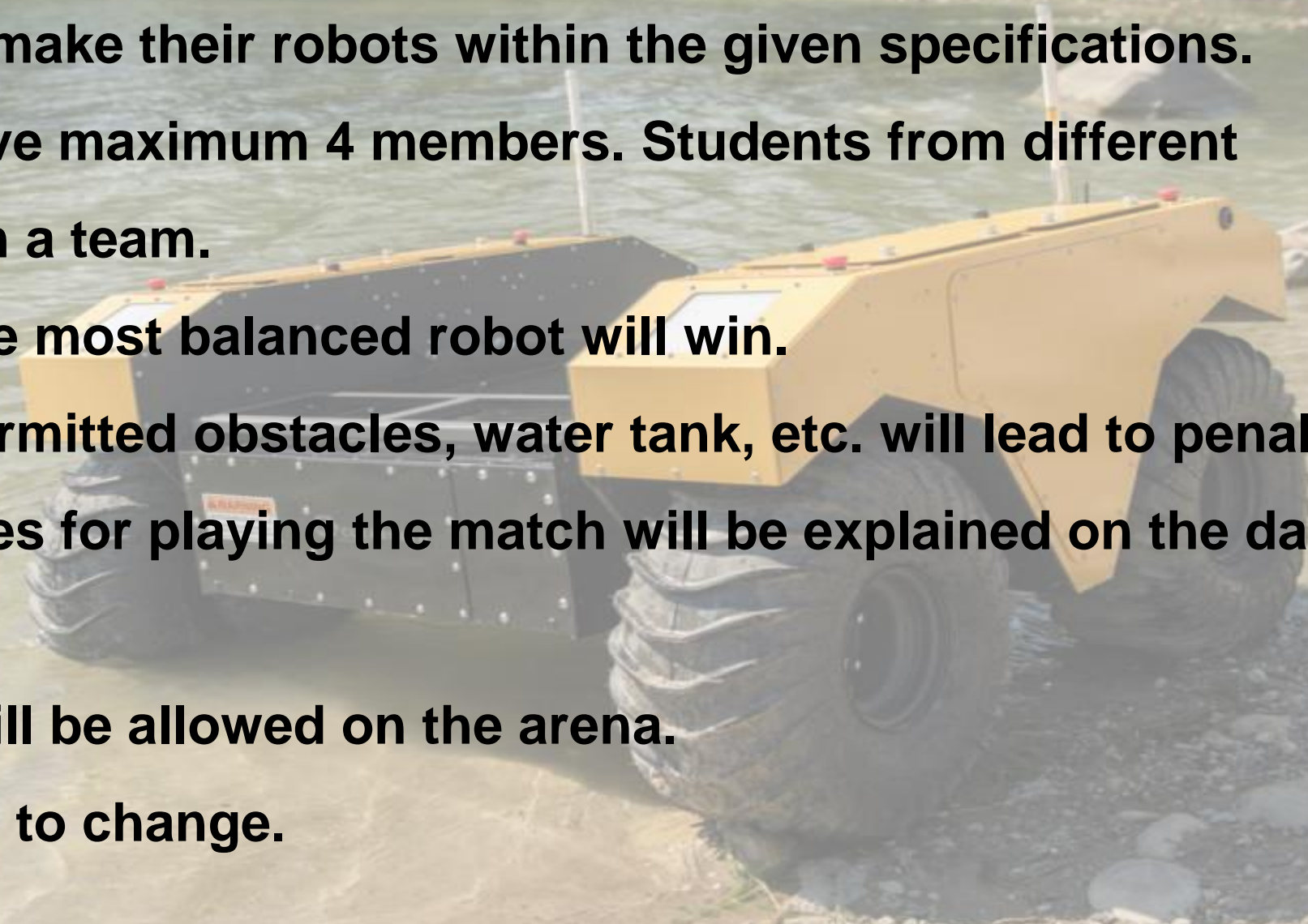
- In the Final round the teams will be facing both **stationary** and **moving hurdles/obstacles**.
- The team who will be covering the track with minimum time and maximum obstacles will be winning the competition.



# BOT SPECIFICATIONS:

- Maximum weight of the robot must **not exceed 3kg**.
  - The length of the wire (for wired bots) should be long enough to cover the whole track and wire should remain slack during the complete run.
  - Readymade** robots are **not allowed**.  
i.e. the robots should not have **lego** kits or its spare parts or **pre-made mechanical** parts.
  - The bot dimensions should be **up to 40x40x40cm** and it **should not exceed** the given dimensions.
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- A yellow and black tracked robot is positioned on a riverbank. The robot has a yellow upper body and a black lower body with tracks. It is facing towards the left of the frame. The background shows a river and some greenery on the opposite bank.

# **GENERAL RULES:**

- **Each team has to make their robots within the given specifications.**
  - **Each team can have maximum 4 members. Students from different institutes can form a team.**
  - **The fastest and the most balanced robot will win.**
  - **Skipping of the permitted obstacles, water tank, etc. will lead to penalty.**
  - **The necessary rules for playing the match will be explained on the day of event.**
  - **No test practice will be allowed on the arena.**
  - **Rules may subject to change.**
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- The background image shows two custom-built robots on a rocky shore next to a body of water. The robot on the left is black with yellow accents, and the one on the right is yellow with black accents. Both have large, treaded tires and a boxy, industrial design. They appear to be designed for off-road or aquatic environments.

Rules continued...

- The robot must not leave behind any of its parts during the run else it will result in disqualification.
- The robot should not damage the arena.
- Each member of the team must have the **identity card** of his/her respective institute.
- Unethical behavior** could lead to disqualification. Faculty coordinators have all the rights to take final decision for any matter during the event. Judge's/Faculty's decision will be considered final.
- Certificates** of Participation will be given to all the teams that will participate in the event, but not to the teams which get disqualified due to **disobeying** any of the competition rules.



# REGISTRATION DETAILS:

- Competition Fees: Rs.600/-
- Workshop Fees: Rs.3,400/-

Total Winning Prize:

Rs.40,000/-



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