



OVER DRIVE

EVENT DESCRIPTION:

The "Over Drive" event is a challenging robotics competition where teams need to design, build, and program an autonomous robot capable of navigating through a complex obstacle course. The robot should be able to move over different surfaces, including small pebbles, rocks, mud, grass, dry surfaces, water, and rope bridges. The team that completes the course in the shortest time will be declared the winner.

TEAM SPECIFICATION:

- The team can have a minimum of 2 and a maximum of 3 members.
- Robots per team: 1
- Registration Fee for each Person: Rupees 150/-

EVENT STRUCTURE:

1. The event will be held in a single round, with all bots navigating the obstacle course one by one.
2. The top 3 teams will be decided based on the time taken to complete the course, and the team with the shortest time will be declared the winner.

ARENA SPECIFICATIONS:

- The arena will be a rectangular area with dimensions of 5m x 6m or more area.
- The obstacle course will include various hurdles, such as:
 - Small pebbles and rocks
 - Mud pits
 - Grass and dry surfaces
 - Water pools (optional)
 - Rope bridges
 - Inclined planes
 - Tunnels
- The arena will have a non-glossy, plywood floor, and teams are advised to add gripping to their bot wheels for efficient movement.





ROBOT SPECIFICATIONS:

- Robot weight range: Not specified
- Robot dimensions: 20 cm x 20 cm maximum (no restrictions for height)
- Bot control: Autonomous or remotely controlled

PENALTIES AND ADVANTAGES:

- Human interference: +5 sec (penalty)
- Wall touch: +2 sec (penalty)
- Autonomous bot: -10 sec (advantage)

RULES AND GUIDELINES:

1. Each team must register offline through coordinators or online on the official website for the event.
2. The obstacle course will be revealed only during the event, and no prior runs will be allowed for mapping the course.
3. All participants must report 15 minutes before their allotted slot to the reporting desk, and being late will lead to disqualification.
4. All team members must have a valid college ID card and TRISHNA ID card to participate. External participants (other college students) should submit a Bonafide Certificate signed by their Principal/HOD.
5. Teams must mark their bots uniquely to identify them, and submit their bots before the event starts.
6. Any misbehavior of participants during the event may lead to disqualification.
7. Any bot exceeding the specified dimensions will be disqualified beforehand.
8. Teams are allowed to use custom sensor arrays, readymade microcontrollers, PCBs, etc.
9. The organizing committee reserves the right to change any of the above rules as they deem fit, at any point in time.
10. The jury's decision will be final and abiding.

CONTACT FOR QUERIES:

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