

CATCH ME IF U CAN

PROBLEM STATEMENT:

You have to design a remote controlled robot which can run on a path / track with inclinations, bridges etc. Randomly two teams will be selected where one team will act as a thief and the other as a cop. The thief will try to steal the gold while the cop will try to save it from the thieves!!!

ROBOT SPECIFICATIONS:

1. The maximum dimension of the robot can be 300 x 300 x 300 mm (l x b x h).
2. The voltage across any two terminals must not be more than 12 volts.
3. The robot can be wireless.
4. Readymade gear boxes and toy chassis and control circuits can be used. If you are using toy car then make sure that you have made some significant modification to improve its performance.

TRACK SPECIFICATION:

1. Track will be a path with various hurdles like water, oil, sand, marbles etc.
2. The inclinations of 30° to 45° will be provided.
3. Track will be shown at the day of the event.

RULES AND REGULATIONS:

1. This is an event between the thief and the cop, so the fastest and the most balanced robot will win the competition.
2. After reaching to the destination, the thief has to stay there for at least 5 seconds to win the game.
3. If cop reaches to the destination first, he will win.
4. There will be 2 rounds (both are elimination rounds for losers) throughout the game. Only the winners of the first round will be qualified for second round.

5. The track for the second round will be same as first round with some extension.
6. Rules for Penalties and bonus points will be explained on the day of the event.
7. A team can have maximum two members. Students from different institutes can form a team.
8. Each member of the team must contain the identity card of his/her respected institute.
9. Unethical behaviour could lead to disqualification.