

Robotronics

Team Event (Y18 & Y19) | Points: 30

Team Structure

A maximum of 4 teams per pool with a maximum of 3 members per team is allowed. Atleast two participants per team must be from the Y19 batch.

Problem Statement

An on the spot competition based on sensors, ICs and basic electronics used in robotics will be conducted.

Rounds

The competition consists of two rounds:

- I. The qualification round (Each team has to submit a pen-paper sketch of the first circuit announced on the spot)
- II. The main round (The qualified teams will be given some components and they will be asked to complete a task using the same components)

Scoring

1. **Qualification Round:** Pen-paper sketch of the circuit will be evaluated on the basis of whether the circuit would give the desired output or not. The team with the correct circuit will get 40 points and will be qualified for round 2.
2. **Main Round:** The team which will be able to show the desired outcome through their model using the given components will get 150 points.

Additionally, 50 bonus points will be awarded on the basis of :

Good circuiting practices	20
Innovation and novelty of the solution	30



Tie Condition

In case there is any tie, team taking the least time to acquire the points shall be declared the winner.

Note: In case of any disputes, the decision of the Coordinators would be final and binding to all.

Incentive

Members of the winning team would get direct entry to the final round of selection in one of the projects within the club.

In case of any problem, feel free to contact the club coordinators or secretaries. Contact details available on: <http://students.iitk.ac.in/roboclub/>

All the best!

Enjoy the Spirit of Roboting!

Coordinators, Robotics Club, IIT Kanpur