ROBOSPRINT

OVERVIEW:

Teams participate in a car race, where they will have to find their way by solving all obstacles coming their way by giving proper directions to a bot. Clues for these obstacles will be related to different applications of engineering like Coding, Mechanics, Electronics and a Fun Puzzle to be solved. The team that completes the race first will be declared as the Winner. A team of 2 is compulsory to participate in the event.

RULES:

This competition has only one round. The teams which complete the track in the least time among all the participants Wins.

Structure:

The racing track consists of different obstacles, the first of them being a fun activity. Only 5 minutes will be provided for the participants to clear this section. The second obstacle consists of a task needing the participants building a bridge for the bot to cross. Material for construction for the same will be provided. This task also has to be completed within 5 minutes. After successfully crossing the first 2 obstacles, the third obstacle will consist of a task related to electronic circuitry. Lastly the final task will be coding related. The team has to navigate the bot successfully through all these tasks.

JUDGING CRITERIA :

Points for fun activity: (Total Time = 5 minutes)
Teams which complete the task within 2 minutes will be awarded 20 points.
Teams which complete the task within the given time of 5 minutes will be awarded 10 points.
The team which takes more than 5 minutes to complete the task will not be awarded any points.

Points for Bridge construction: (Total Time = 10 minutes)
Teams that complete the task within 5 minutes will be awarded 30 points. Teams that complete task in the 5 to 7 minute range will be awarded 20 points.
Teams that complete task in the 7-10 minute range will be awarded 10 points.
The team that does not complete the task within 10 minutes will not be awarded any points.

Points for circuit assembling: (Total Time = 15 minutes)
Teams that complete the task within 10 minutes will be awarded 30 points. Teams that complete task in the 10-13 minute range will be awarded 20 points.
Team to complete task in the 13-15 minute range will be awarded 10 points. The team that does not complete the task within 15 minutes will not be awarded any points.

Points for coding: (Total Time = 20 minutes)
Teams that complete the task in 10 minutes will be awarded 30 points. Teams to complete task in the 10-15 minute range will be awarded 20 points.
Team that takes more than 15 minutes to complete the task will be awarded 10 points. The team that does not complete the task within 20 minutes will not be awarded any points.

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