

Navigational Course (Tornado Rescue)

DESCRIPTION: Team Driving involving a team of two or more with the whole team only seeing the monitors of the field. The course will consist of a series of locations of varying dimensions where the robot must perform appropriate actions. There will also be tornado debris that accompany each location. The tasks for each location will remain in the same relative position as the location. The team can consist of up to two robots on the mat at the same time. The robots may work together or separately on the tasks.

Rules

1. Participants will have 5 minutes to complete the course. All team members may have hands on time in controlling the bot.
2. The team must not be able to physically see the driving course, but will see it through a camera and monitor.
3. The bot must navigate to the each location and complete a designated task. Teams may complete the tasks in any order.
4. Partial credit may be given for reaching the location but not having the bot fully complete the task.
5. In case of a tie of all items - total time will be used to determine a winner.

Size of field will be 20' X 30'

Scoring

1. Burning House (door opening 15"X15") - Put out Fire 5 points
2. Burning House - Rescue Animal - 5 points
3. Cross Bridges - 5 point each
4. Turn Car Over - 5 points
5. Turn off Gas Line - 5 points
6. Drop Duffle Bags of Supplies at Football Field - 5 points each
7. Realign Poles - 5 points

