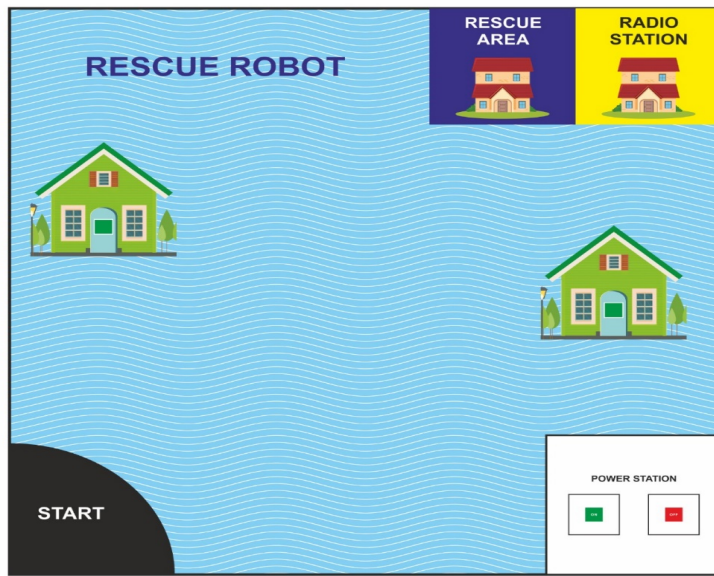


CRL 2019 - WEDO REGULAR Category

Eligibility: Grade 2nd to 4th

RESCUE ROBOT

GAME MAT:



GENDRAL RULES:

- If the runner touches the robot at run time, penalty of (-5) points will be given and they should start the robot again from the start area
- If One or more teams achieve the same points in their turn, decision will be based on timing of their Round completion
- Each team will be given one trial run and two mission runs
- All Teams should submit their robots 10 minutes before from the mission runs
- Only 2 runners are allowed for the robot run
- Robot mission run time is 2 minutes 30 seconds.

ROBOT SPECIFICATION:

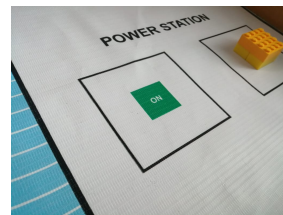
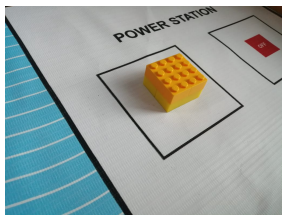
- Robot dimension should not exceed 25cm x 25cm x 25cm (LxBxH)
- Robot can have only LEGO parts
- Robots can have only 1 smart hub, 1 motor. Sensor no restrictions

GAME DESCRIPTION:

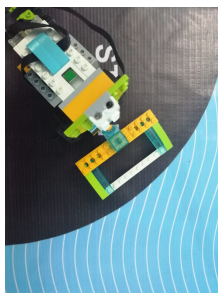
- The WeDo Regular Challenge is for each team to build and program a WeDo 2.0 robot to complete a series of tasks within a Game Table.
- The main task is to make the robot pick two persons from their homes and drop them at the Rescue area at the time of flood.



- In addition, the robot should off the power before transporting the persons (The robot should travel to the power station and should move the brick from on to off).



- Robot should be completely inside the start area before the runtime and at the end robot should be parked at the radio station.

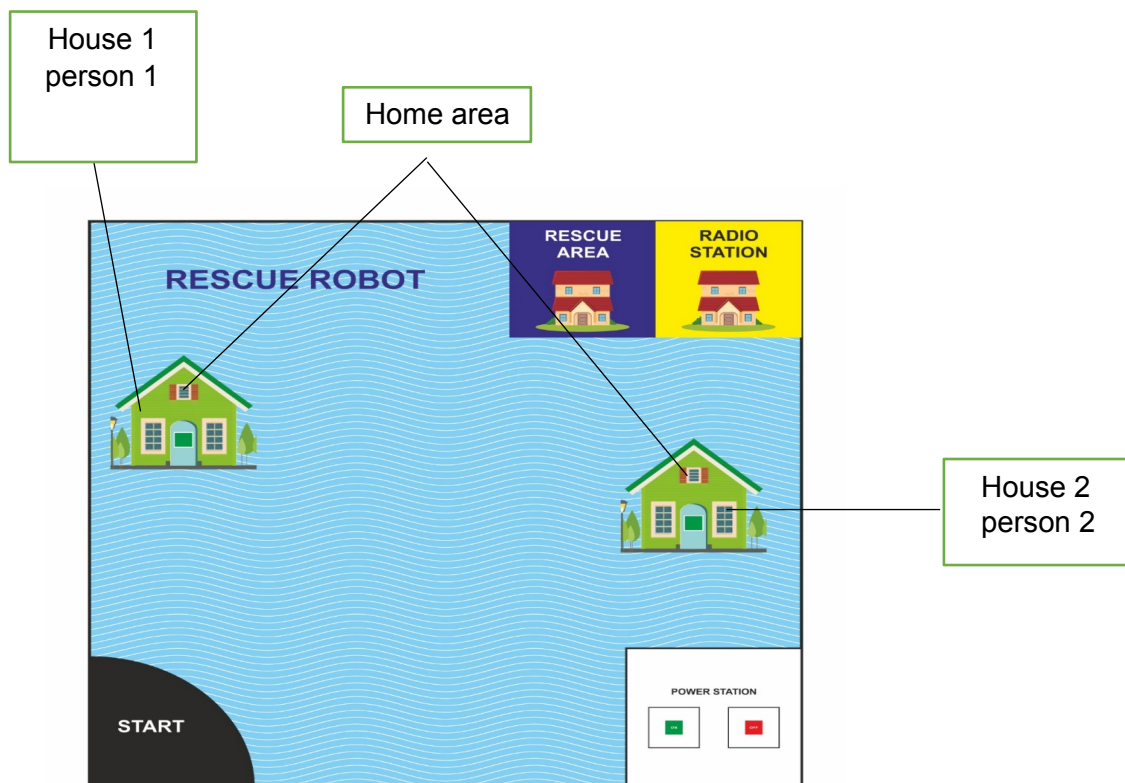


- The teams can finish the entire 3 mission in one autonomous run or after completion of each mission they can bring back the bot to base and start again with robot modification not exceeding the base limit.
- Maximum of 3 touch to base is allowed. More than 3 touch to base team will be given penalty of -5 for each touch to base.

POINTS TABLE:

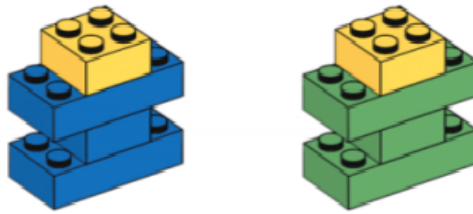
Tasks	Each	Total
Person is completely picked from the house.	10	20
Person is completely dropped within the rescue area.	15	30
The switch completely pushed from on to off by the robot.		30
Robot completely parked in the radio station (team gets this points only if the robot has picked and dropped at least one person)		20

GAME MAT WITH SPECIFICATIONS:



GAME AIDED OBJECTS:

A) Persons to be rescued



B) Power switch

