



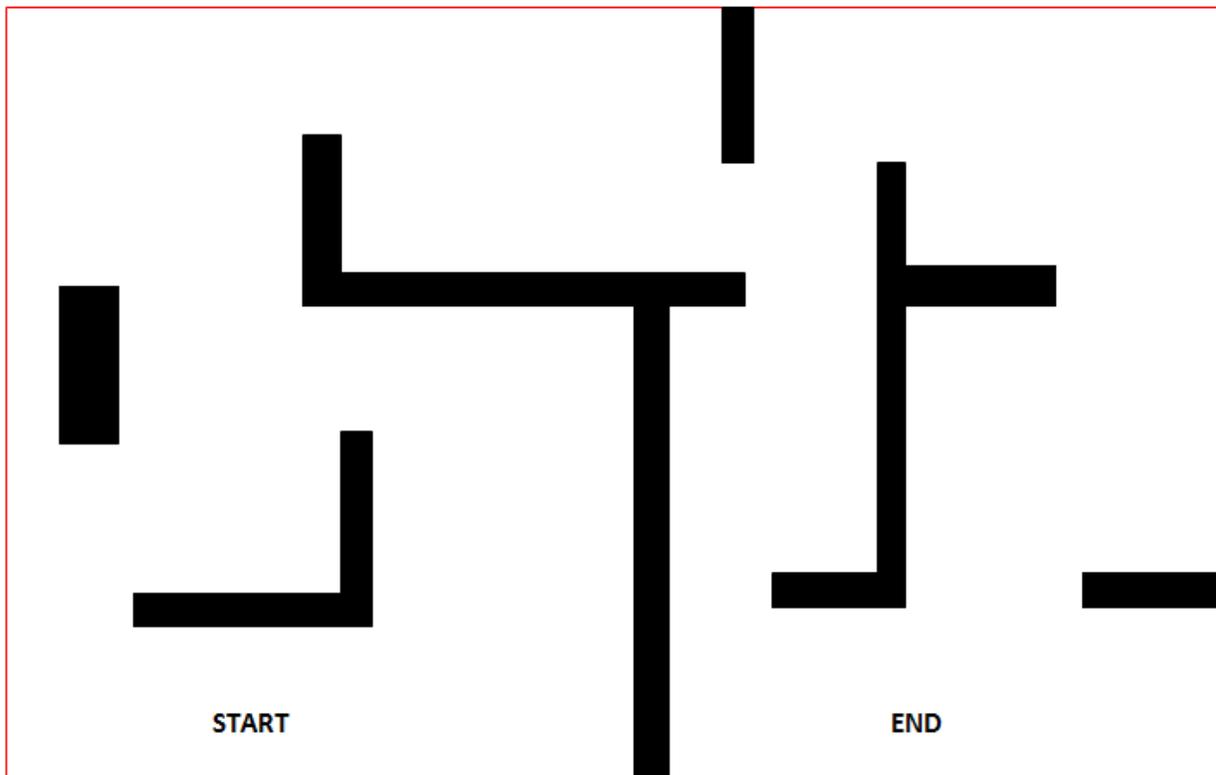
## Obstacle Avoiding Robot

### Rules:

- Maximum 3-4 members in a team.
- Robot must have used a microcontroller with any Ultrasonic sensors and base.
- Dimension of robot chase should not be more than 8" × 8".
- Any motor shield, RPM motors can be used.
- Battery used should be 12 V (Not more than 12V).

### Winning Criteria:

Robot has to move from the starting point and will have to reach the end point by avoiding the entire obstacle in minimum time.



Arena size: 8'x4'

**Note: Winner will be decided by our judges based on overall performance.**

## Robo Sumo Wrestle

### Rules:

- Maximum 3-4 members in a team.
- Two robots will enter at the same time in the arena.
- Robot will be self-controlled robot or wirelessly controlled via remote.
- Robot must be able to move in any direction.
- Any RPM motors, base, motor shield can be used.
- The dimension of robot chase should not be more than 12" × 12".
- Robot should not damage the other robot.
- Must have to use microcontroller (without the use of microcontroller will be disqualified).
- Maximum robot weight should be 6kg (external weight would result in disqualification).
- Can use any battery. (Not more than 24V).

### Winning Criteria:

Multiple rounds (depend upon the number of teams). The robot which will win the final round will be announced as winner.

