EVENT NAME: BOTCLAR

SPECIFICATIONS:

1. Structure:
- Length: 150-250 mm
- Breadth (Width): 100-150 mm
- Height: 70-100 mm
- Weight: 750-1500 gram

2. BOT can be also used:
- Boe-bot
- Shield bot/sumo bot

3. ROBOT Control:
- Autonomous/Automatic (*no remote control devices*)

4. Combination of sensor can be used:
- Ultrasonic distance sensor
- Proximity sensor
- Whisker sensor
- Color sensors
- IR emitter / receiver object detecting sensor

5. Motors can be used:
- Rotary DC servo motors (DC voltage: 9-12V)
- High speed Servo motor

6. Arduino based PCB can be used

7. <u>Obstacles:</u>
- Height: 20-40 mm
- Weight: 50-100 gram
- Length: 10-20 mm
- Breadth: 10-20 mm
- It can be bottles, cube blocks etc.

8. <u>Plow attachment at the front of the bot:</u>
- It can be made of any material that does not damage the table or the objects.
- It cannot be motorized.

9. <u>Fields can be:</u>
- Rectangle, Circle in shape
- Length: 200 cm
- Breadth: 150 cm
- Radius: 70 cm