



PSG COLLEGE OF TECHNOLOGY
IEEE STUDENTS CHAPTER 12951



SRISHTi 2024

EVENT NAME: TRACK TITANS

SPECIFICATION SHEET:

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:
 - 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 Stepper motors (DC voltage: 9-12V)
 - High speed Stepper motor

6. Arduino or PCB can be used.

7. Field:
 - The track consists of bridges, ramps and inclined paths.

8. Obstacles:

- Height: 70 mm (max)
- Weight: 200 grams (max)
- Length: 100-200 mm
- Breadth: 50 mm (max)
- For eg, It can be cube blocks etc.

9. Width of the path (Black tape): 2 cm

EXAMPLE FOR TRACK:

