## ❖ Event: TrailBlazer

The Line Tracing Robot Challenge is a competition where robots built by participants autonomously navigate a predefined course marked by a line. The robot that completes the course in the shortest time and with the highest accuracy wins.

- ❖ Participants: Solo
- ❖ Venue: A-Block
- ❖ Fees: ₹50
- ❖ Main Coordinator: Krishna B
- ❖ Faculty: Prof. Vanita Dandhwani

❖ Rules & Regulations:

General:

- ● Robots must be fully autonomous and complete the course without any external control.
- ● Participants are responsible for ensuring their robots comply with all safety regulations.
- ● Organizers reserve the right to disqualify any robot deemed unsafe or disruptive.
- ● All participants must adhere to respectful and professional conduct throughout the event.

Robot Specifications:

- ● Size: Maximum dimensions may vary depending on the event, but are typically around 20cm x 20cm x 20cm.
- ● Weight: Maximum weight may vary depending on the event, but is typically around 3kg.

- ● Construction: Robots must be self-contained and not damage the course or other robots.
- ● Power Source: Batteries are the most common power source, but other safe and approved options may be allowed.
- ● **Judges' decisions are final.**

❖ Rounds:

- ● ROUND 1:
  The participants the participants will be given a straight path with some obstacle on it. Top 5 participants to cross the finish line will be selected.
- ● ROUND 2:
  The participants will be given a will be given a complex path with some twist and turns. Top 2 participants will be selected.