**LINE TRACER RULES**

**Event description:**

A robotic event in which a bot automatically tracks the black line and completes the path. The path may consist of solid and dotted straight lines, curves, acute and obtuse angle turns, 90 degree cuts, loops etc…

**Bot specification:**

* Size of the bot should be within the size of 25\*25\*25 cm.
* Bot should contain on board battery.

**Track specification:**

* Width of the track: 2.5 cm
* Track may contain solid and dotted straight lines, curves, acute and obtuse angle turns, 90 degree cuts, loops etc…
* Track may contain bonus point track ( If the bot tracks the bonus point path, additional points will be given).

**Event format:**

Number of rounds: 1

**Team specification:**

* A team may consist of maximum of 4 members.
* Team members can be from same or different institutes.

**Scoring method:**

* Negative points will be given for each manual touch and each path skip.
* Winner will be selected on the basis of time taken to complete the track, manual touch and path skip.

**Safety and precaution measures:**

* Terminals of battery should be properly insulated from each other to avoid short circuiting.
* Use of damaged and flammable batteries may lead to disqualification.