



**JAY ROBOTICS CLUB**

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[www.jayroboticsclub.in](http://www.jayroboticsclub.in)

[info@jayroboticsclub.in](mailto:info@jayroboticsclub.in)

## JAY ROBOTRIKZ 2016 - August

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### Black Line Following Robot Competition

#### Competition Details:

- **Date:** 27-Aug-16
- **Time:** 9 AM to 6 PM
- **Venue:** MCC Higher Secondary School, Chetpet
- **Team Size:** 2
- **Registration Mode:** Online / Direct Pay
- **Registration Starts on** 15-Jul-16
- **Last date to register:** 22-Aug-16
- **Eligibility:** Open to everyone
- **Age:** 10+ years

#### Competition Rules:

- Black Line following robot are only eligible.
- No manual controls are allowed
- Must be a fully automated black line follower robot
- You can design in Printed Circuit Board (PCB), General Purpose Board (GPB), or Bread Board (BB), whichever is convenient.
- Lego robots, all pre-fabricated & ready-made robots are also allowed
- Line will be of 2.5 cm wide and will be constant throughout the circuit, line will not exceed 2.5cm width anywhere in the circuit.
- The robot will have to travel a maximum of 10 meters, so design appropriate batteries
- The size of the banner will be in 8 x 8 ft.
- Batteries will not be allowed to change during the course of competition
- Judges decision will be final.

Contact No. 9677333550 / 9940471968

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### **Marks Criteria:**

- The robot will be considered for prizes only if it completes the whole circuit
- The team with the shortest time duration will be awarded the first prize
- If 2 or more robots complete the circuit, the robot with the shortest time for completing the circuit will be awarded the first prize
- The team members are allowed to adjust the robot only twice after it gets started
- Handling of robot in the arena will result in +5 seconds

### **Ways of disqualification:**

- Competitors should provide suitable arrangements for protection of batteries, any kind of short circuit inside the competition arena will result in disqualification
- Voltage anywhere on the robot should not exceed 12V DC. While on the technical inspection if anywhere is found more than 12V DC, instant settings should be changed to 12V or less than that, and if not the case will lead the particular competitor to disqualify
- Handling of the robot for more than two times in competition arena will lead to disqualification
- If any kind of manual control is used for controlling the robot, then particular competitor will automatically be disqualified
- Disqualified competitors cannot claim for refund of registration amount so make sure you read all Rules and Regulation before Registering.

### **Competition Arena:**

- Competition arena will be published in our website on Aug 15, 2016.

### **Awards & Prizes:**

#### **General Category:**

- Winners: Rs.15,000/-
- Runners: Rs.5,000/-

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**School Category:**

- Winners: Rs.3,000/-
- Runners: Rs.2,000/-

Each participant will get a participant certificate, educational coupon worth Rs.1500/- (Can join any FABRO course in the JAY Robotics Club), and 5% discount coupon on surcrew.com

**Resource:**

Don't know how to make this robot? No worries, click the following link:

<http://www.jayroboticsclub.in/courses/line-following-robot/>

For more details, visit the below link:

<http://www.jayroboticsclub.in/robotrikz-robot-competition/>

**Terms and Conditions:**

- On-spot registrations will not be accepted
- Registration fee does not include food, accommodation, traveling, and other expenses
- Registration fee will not be refunded for any reasons
- Every event will be recorded and will be published in our website
- Participant raising any claims could watch the video and resolve
- JAY ROBOTRIKZ 2016 organizing committee has the authority to decide the winners for each event in case any claim or dispute arises in respect of JAY ROBOTRIKZ 2016 (August), the Courts and Tribunals in Chennai (Madras High Court) alone shall have the exclusive jurisdiction to entertain and settle any such dispute or claim.
- Participants registering for JAY ROBOTRIKZ 2016 (August) will be bound by the above terms and conditions.

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