

# PICK N PLACE



**Haven't most of us wished as kids for a Robot that could pick up our toys, return them and organize them so our parents wouldn't scold us for making a mess?  
It has now become a reality.**

A "Pick N Place" Robot picks items and places them in a particular spot and in a desired manner. Design a Robot which will move only along a predetermined Track. The Robot traces that Track at the Starting Point, Pick and Place the objects or hurdles which occur in the Track and Reach to the End Point in the least time.

## ROBOT SPECIFICATION

- 1) Dimension of the Bot should not exceed 30\*30\*30 Centimeters.
- 2) The Weight of Bot must not exceed 5 KG (including Controller and Battery).
- 3) The Bot may be wired or wireless or autonomous.
- 4) The maximum voltage to power the Bot should not exceed 24V (DC Power Supply only). However, a tolerance of 5 % is acceptable.
- 5) The maximum power should not exceed 50W.
- 6) Bring own AC to DC Converters or own Batteries of any type (Li-ion, Lead Acid, Gel/Dry Cell, etc).
- 7) Lego Kits or Readymade Toys are not allowed.

## ARENA SPECIFICATIONS

## **FIRST ROUND - ELIMINATION ROUND**

- 1) The Participant has to bring a Manual Robot that can Pick Up weights from a location and Place them in a different location in the Arena in a specified time and drop it.

## **SECOND ROUND - FINAL ROUND**

- 1) The Participant has to use his Robot to transport a specific number of blocks through another route. That Route will consist of obstacles.
- 2) The Robot has to transport occurring obstacles to specific destination in a specified time period and drop it.
- 3) The obstacles will be disclosed before the Event.

## **PRIZE MONEY**

<b>First Prize</b>	₹ 10,000/-
<b>Second Prize</b>	₹ 5,000/-

## **CONDITION**

- 1) Prize Money is subjected to Total Number of Entries in the Event.
- 2) If 20+ Teams participate then only Second Prize will be given.
- 3) If there are less than 15 Teams then only First Prize will be rewarded.

## REREGISTRATION FEES

<b>Entry Fees</b>	<b>300 INR for per Robot</b>
<b>Combo Offer (Pick N Place and Robo Race or Line Follower)</b>	<b>700 INR for per Robot (If Team register their Bot in both Event)</b>
<b>Re-Registration Fees (Only for Pick N Place)</b>	<b>150 INR per Robot Re-Registered</b>

## SCHEDULED TIME & DATE

<b>Date</b>	<b>Time</b>
<b>29-02-2024</b>	<b>2:00 p.m. to 4:00 p.m.</b>
<b>01-03-2024</b>	<b>2:00 p.m. to 4:00 p.m.</b>

## GUIDELINES

- 1) Teams must prior register their Robots for participating in the Line Follower Event.
- 2) Teams size will of 4 members which should not be exceeded.
- 3) The Robot should follow the Robot Specifications provided. Any deviation from the mentioned specifications will lead to disqualification.
- 4) Changing of Robots will be strictly prohibited and if found to do, so leads disqualification.
- 5) The Robot should not damage the Arena.
- 6) No test practice will be allowed on the Arena.
- 7) Each team will be given a time slot. Delays are strictly not allowed.
- 8) The Event consists of two rounds: - Elimination Round and the Final Round.  
The Teams qualifying Elimination Round will be allowed to participate in the next round.
- 9) Teams should transport the objects in the given time so as to win the match.
- 10) The objects will be Cubical (Max. Dimensions: 10\*8\*8 (L\*B\*H Cubic Centimeter)) and Cylindrical (15\*3 (Height\*Diameter Cubic Centimeter)).
- 11) Track for each level would be revealed 30 minutes before the event take place.
- 12) If in case, a situation of technical problem related to Robot occurs, then the Team can take a Technical Break of 1 Minute. It can be availed once per round.
- 13) During the Technical Break, participant will repair Robot without any outside help.
- 14) The Registration Fee is non-refundable.

- 15) Minimum 10 entries are must otherwise Event will be cancelled and Registration Fees will be adjusted in other Events.
- 16) Re-registration is only allowed in Elimination Round.
- 17) Re-registration should be done within 45 Minutes of Time Period of getting disqualified.
- 18) Each and every Member of the Team must contain the Identity Card of his/her respected Institute.
- 19) Unethical behavior could lead to disqualification.
- 20) In case of any dispute, the decision of Judge, Faculty Coordinators & Organizers will be final.

## **CONTACT US:**

### **EVENT CORE**

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### **EVENT HEAD**

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