

2ND FEBRUARY 2020 | 1 PM - 6 PM AADYANT GLOBAL SCHOOL, VASANT KUNJ

FIX Y UR PLANET



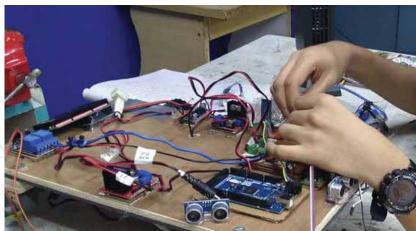




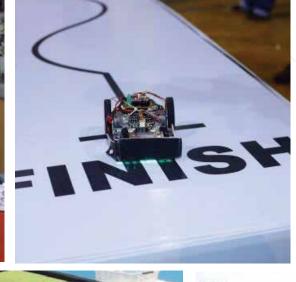




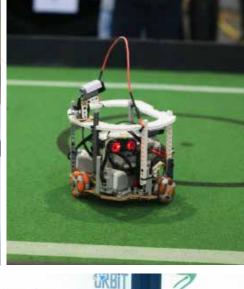














EVENTS





Green Quest



Sumo Bots



Rope-way Rush



RoboSoccer



Bionic Leaf System



Junkyard

ABOUT TECHFEST



TECH FEST 2020 is an annual science and technology festival for school children being oragnised by RoboClub.

We aim to to get children excited about STEM (Science, Tech, Engineering and Math) through Hi-Tech-Fun Robotics Competitions.

The high energy competitive atmosphere also teaches them important 21st century life skills.

Children will walk away with an experience of a lifetime made more exciting by Certificates, Awards and Prizes!

2nd February, 2020 I 1 PM - 6 PM Aadyant Global School, Vasant Kunj

SREEN JUES (FASTEST LINE FOLLOWER)



PARTICIPANT SEGMENT:

10 - 17 years

PROBLEM STATEMENT:

Make an autonomous robot using Lego EV3, NXT, Arduino or Make block that can follow a black line until it reaches the end or covers the maximum distance.

CHALLENGE RULES:

Max Dimensions: 25cm X 25 cm X 25 cm

GAME PLAY:

1-4 members/ team

3.5 minutes max. duration for each team



ROPE-WAY RUSH



PARTICIPANT SEGMENT:

10 - 17 years

SCORING:

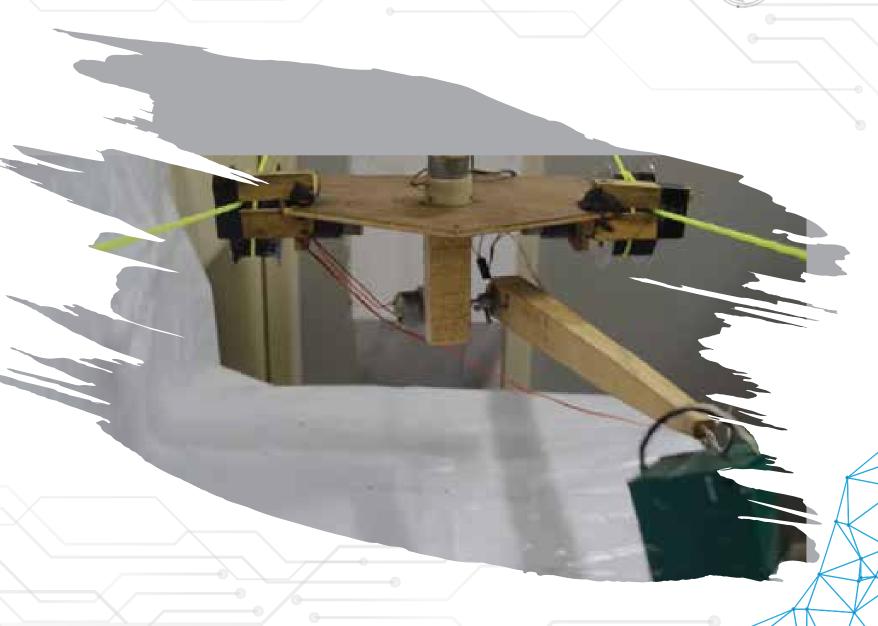
Make a manual robot controlled remotely wired or wireless that can traverse through the two parallel ropes and collect objects from one place and drop it on the other. The team scoring the maximum points with the minimal time wins.

CHALLENGE RULES:

Click here

GAME PLAY:

- 1-4 members/ team
- 3.5 min duration for each team



BIONIC LEAF SYSTEM



PARTICIPANT SEGMENT:

10 - 17 years

PROBLEM STATEMENT:

Make a robot using Lego EV3, MakeBlock, that will measure the amount of fossil fuels used in factories and swap them with the bionic fuel which they have to collect on the way.

CHALLENGE RULES:

Click Here

GAME PLAY:

1-4 members/ team

2 min maximum for each team





SUMO BOTS



PARTICIPANT SEGMENT:

10 - 17 years

SCORING:

Push, drag or otherwise move your opponent from an 8 ft. Diameter circular ring.

CHALLENGE RULES:

Weapon mechanism is not allowed.

Max. Dimension: 30cm X 30 cm X 30 cm

4 kg weight maximum.

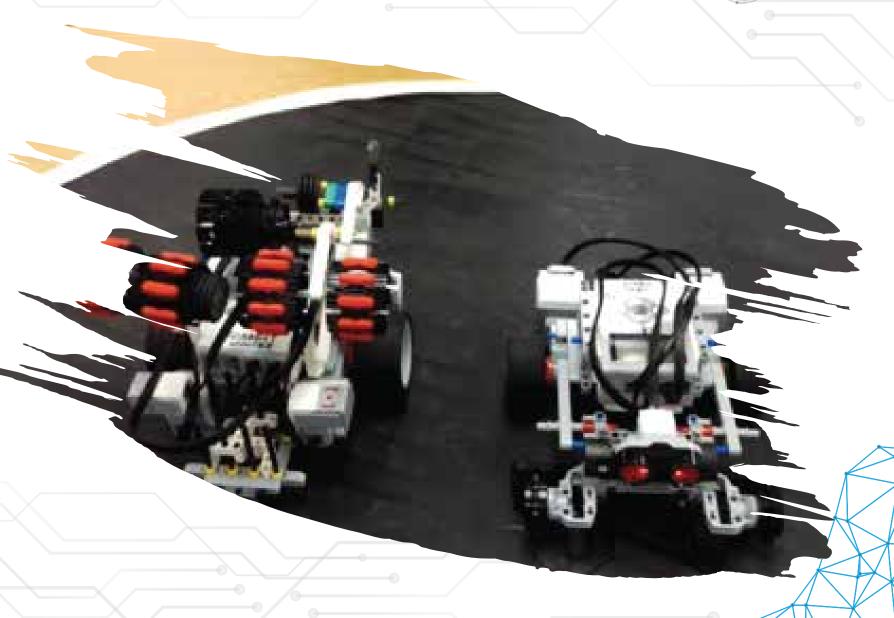
Power supply: Not more than 12V D.C.

Bots are to be made out of Lego EV3, NXT.

GAME PLAY:

1-4 members/ team

3 min maximum for each team



ROBO SOCCER



Bring two pre-constructed, autonomous or manual (wired or wireless) robots.

PARTICIPANT SEGMENT:

10 - 17 years

SCORING:

Maximum goals in 3 mins.

CHALLENGE RULES:

Lifting and weapon mechanism is not allowed.

No trapping mechanism is allowed to hold the ball.

Max. Dimensions: 30 cm X 30cm X 30cm

Power Supply: Not more than 12V D.C.

Bots can be made out of any material.

GAME PLAY:

1-4 members/ team

3 min maximum for each team







Students will be given a live challenge where they will be provided raw stationary tools like papers, ice cream sticks, rulers etc. To complete the task in a given time span.

PARTICIPANT SEGMENT:

10 - 17 years

GAME PLAY:

1-4 members/ team



EXHIBITIONS



Students can bring any projects promoting eco-friendly solutions on sustainability. They can be representing any of the following departments:



Science Projects



Electronics Projects



Robotics Projects



Art and Craft



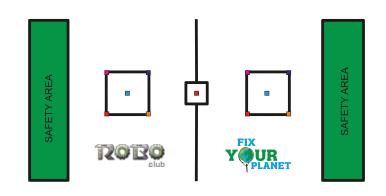
Digital Projects

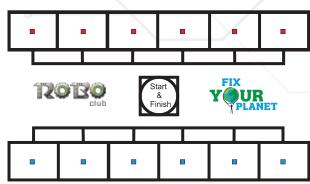


Models & Installations

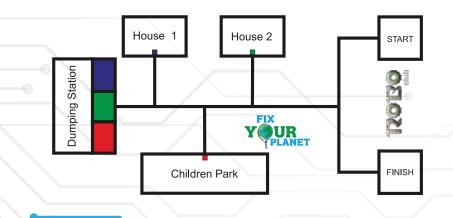
INTRA-CLUB COMPETITIONS

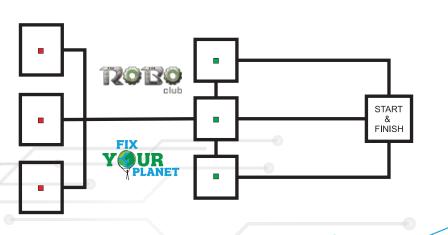






Clean Neighborhood | Under-water Expedition Bionic Leaf System | WeDo Hill Racing Save The Forest | Lego Model Exhibition







Registrations open on January 2nd at roboclubindia.com

B14, Chirag Enclave Next to Fortis C-Doc, Opp Nehru Place, New Delhi – 110048

For detailed challenge document and rules go to roboclubindia.com