

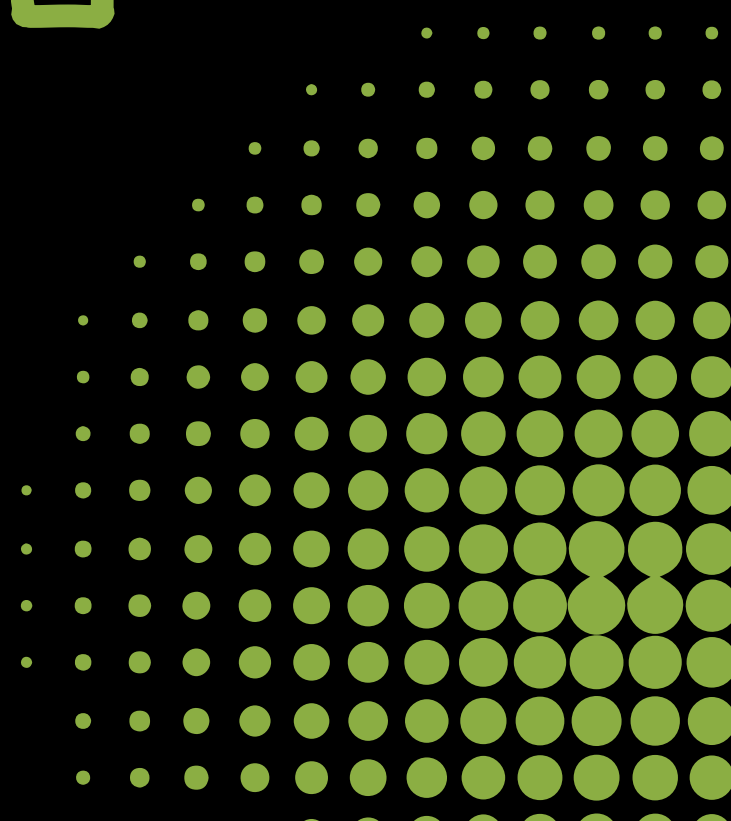
Birla institute of Technology & Science



# TEAM ROBOCON

SPONSORSHIP BROCHURE

**Imagine.Innovate.Inspire**



# OUR TEAM- WHO ARE WE?

At Team Robocon, we are more than just a group of individuals; we are a collective force of innovation and determination. Our team is dedicated to developing advanced robots, produce cutting edge reseach and participate in various competitions worldwide.

Since our inception in 2008, Team Robocon has been a prominent fixture in the robotics landscape. Named after our participation in ABU Robocon, one of the world's most prestigious robotics competitions, we have consistently showcased our expertise and creativity on both national and international stages. Beyond Robocon, we actively engage in other major events like IIT Bombay's Techfest and BITS Pilani's APOGEE, where we compete and collaborate with teams from all corners of the nation. Our commitment to nurturing the next generation of roboticists is evident through our robotics workshops and events like robo-league. These attracts over 250 technologically inclined students at BITS Pilani, fostering a vibrant and growing robotics community within the college.

# OUR TEAM- SUBSYSTEMS

01

## MECHANICAL AND MANUFACTURING:

This subsystem takes care of the mechanical structure and layout of the robot, its simulation in industry-grade software such as ANSYS and SolidWorks, and crafting the implements required.

02

## ELECTRICAL AND SOFTWARE:

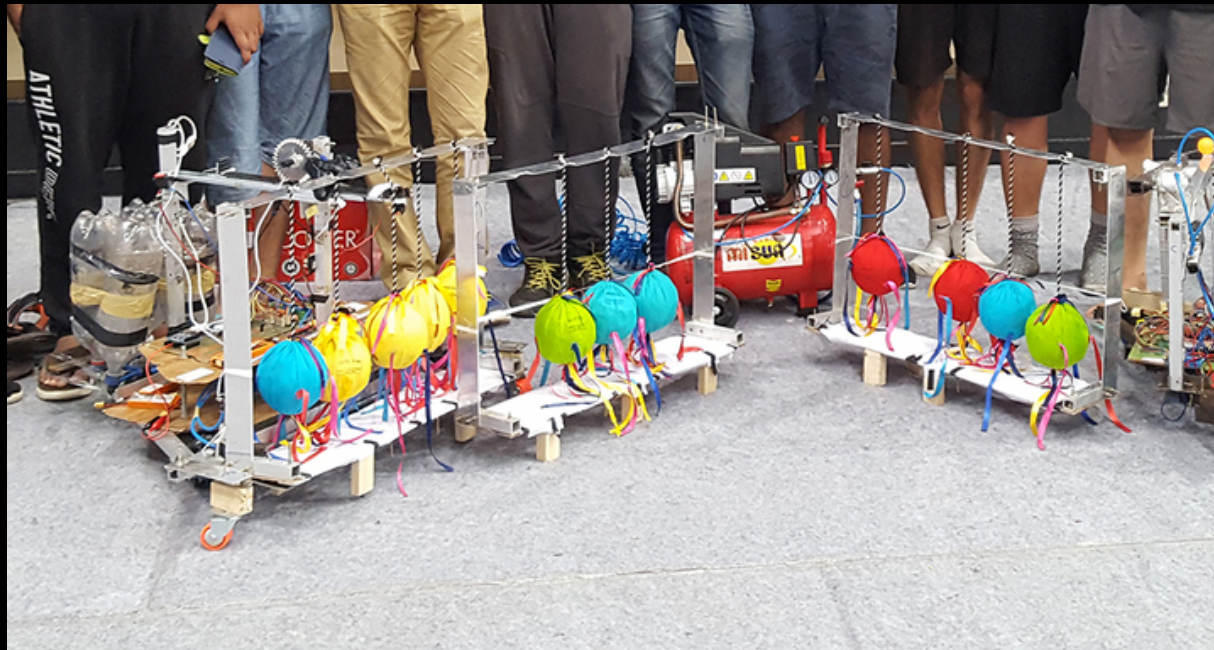
This subsystem deals with everything from laying out the circuits to algorithms and coding which instructs the bots what to do.

03

## SPONSORSHIP AND MARKETING:

This subsystem looks after the finances and outreach of the team.

# OUR PAST ENDEAVOURS



# BADMINTON PLAYING ROBOT

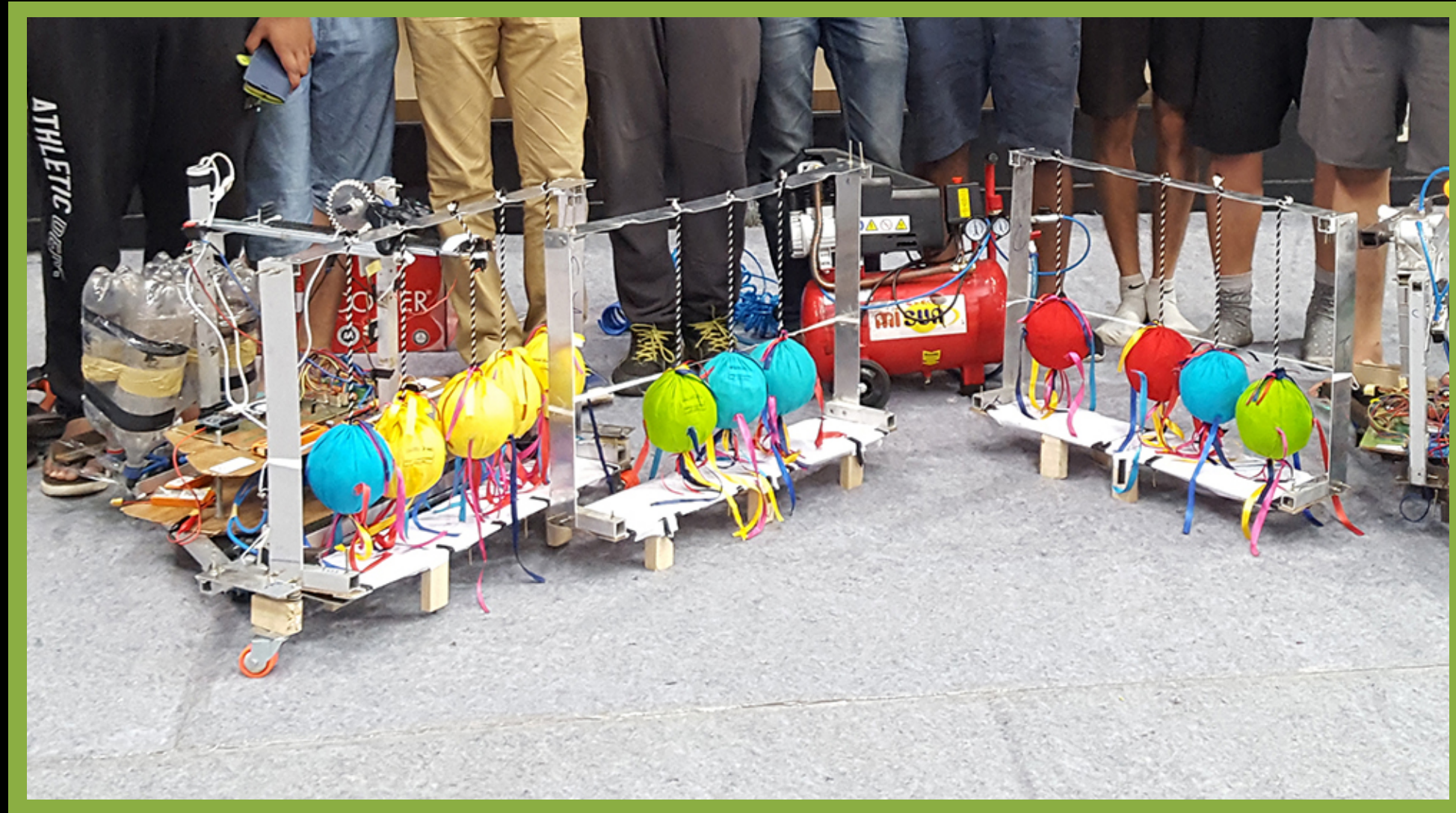
which took part in ABU Robocon, 2015,  
clinching the 1st position in shuttle serving  
mechanism and 19th overall.





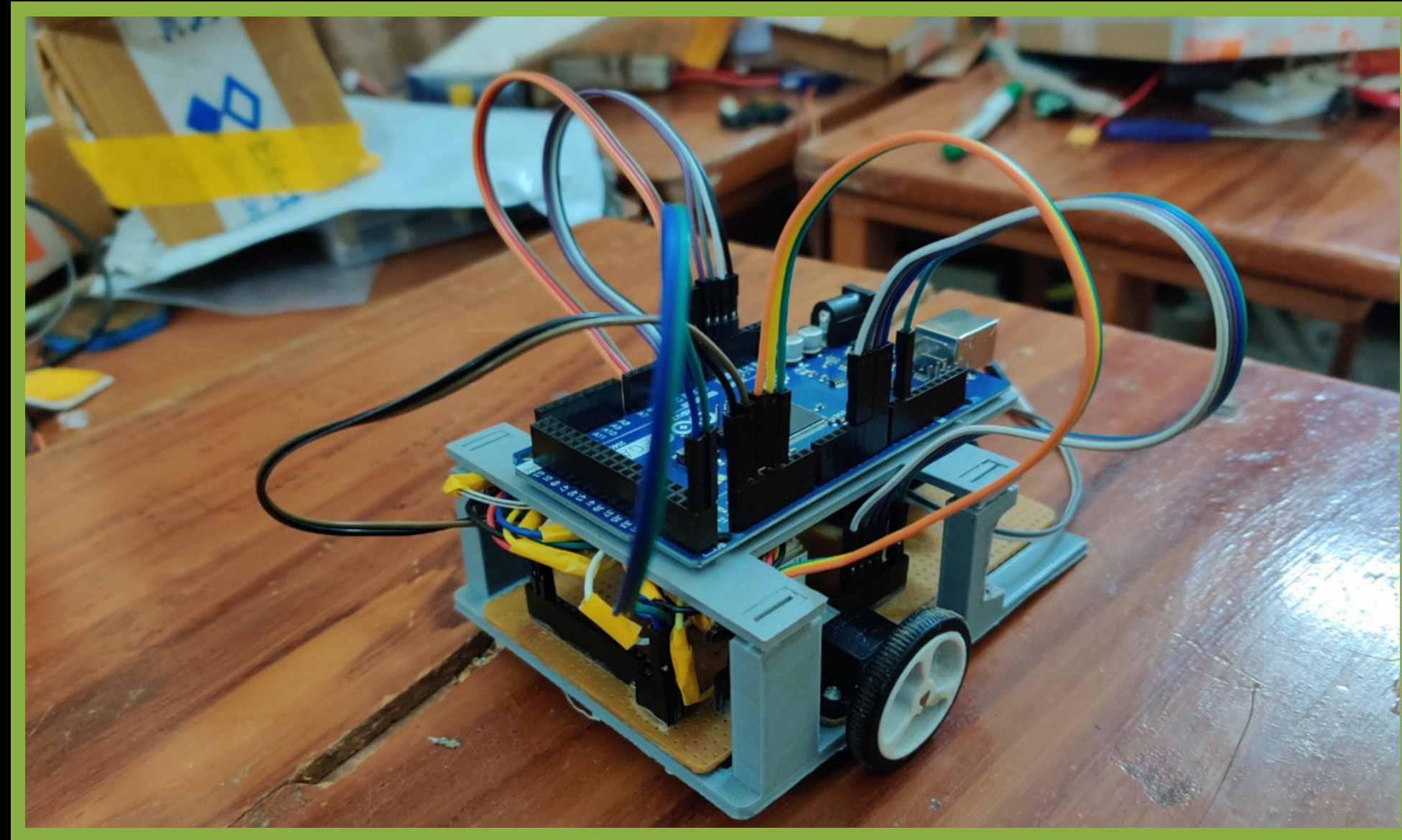
# FRISBEE THROWING ROBOT

which took part in ABU Robocon, 2017



# BALL SHOOTING ROBOT

which took part in ABU Robocon, 2018

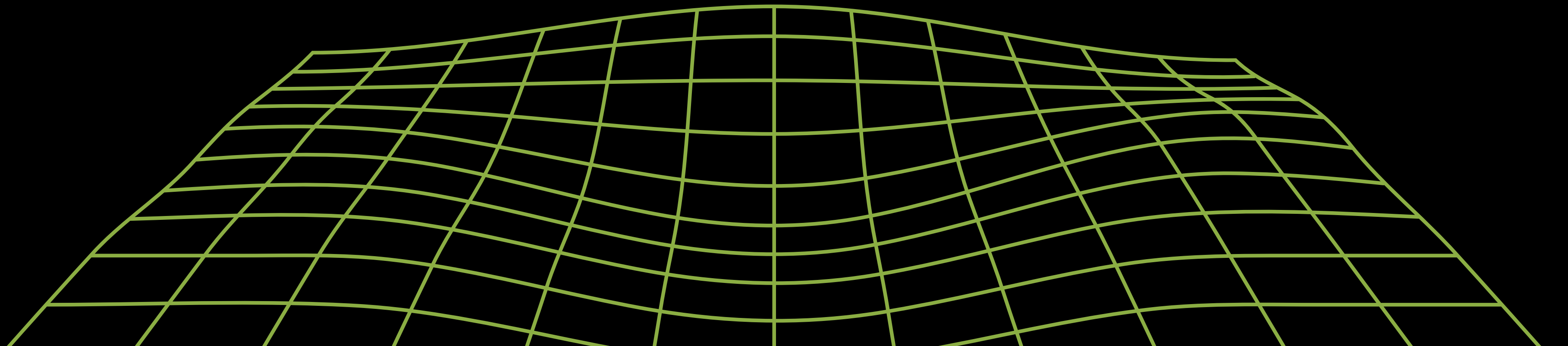


# MICROMOUSE

which grabbed the attention of the international participants, judges, and audience in the 2019 edition of IIT Bombay's Techfest, in which it finished in the top 10.

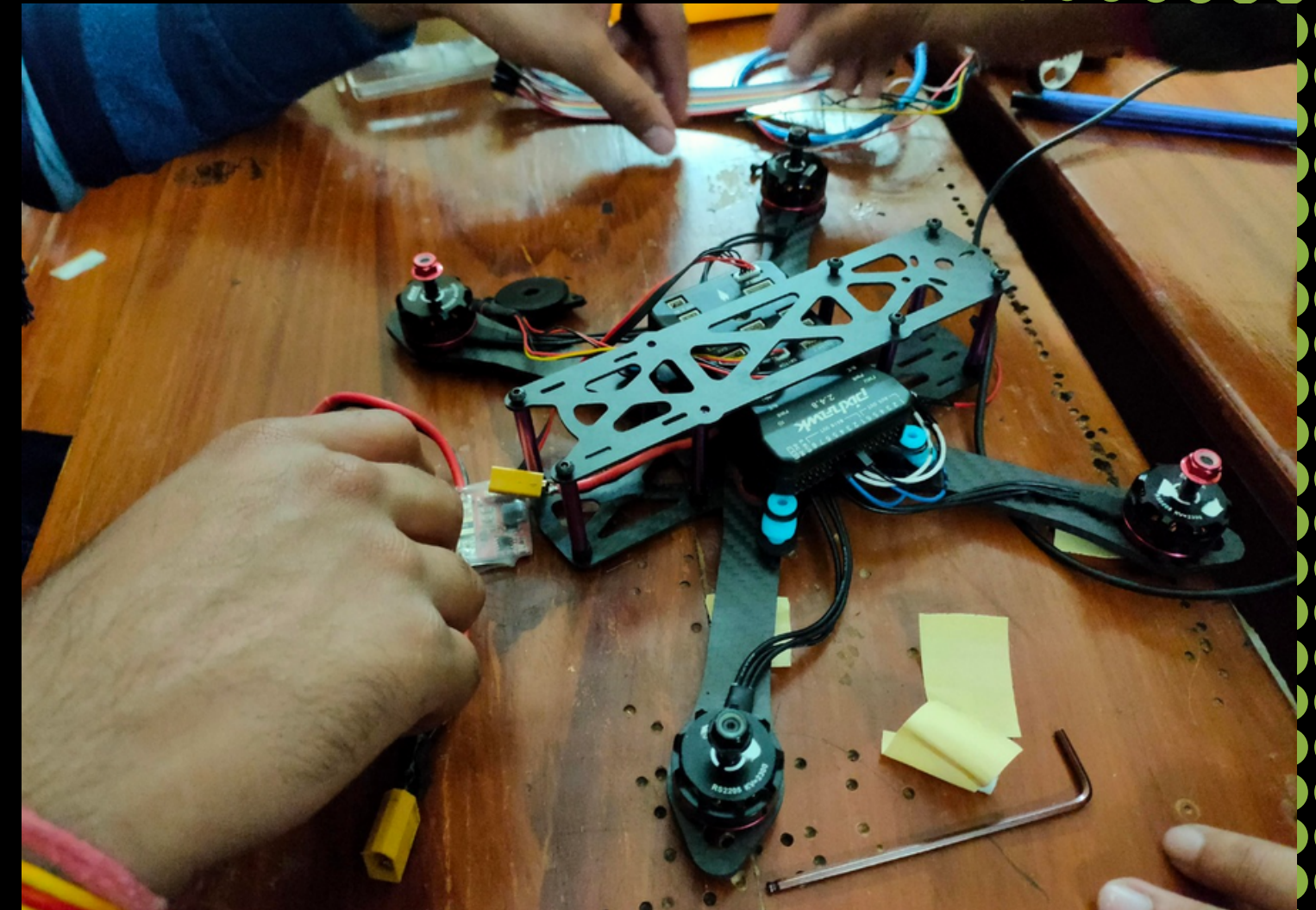


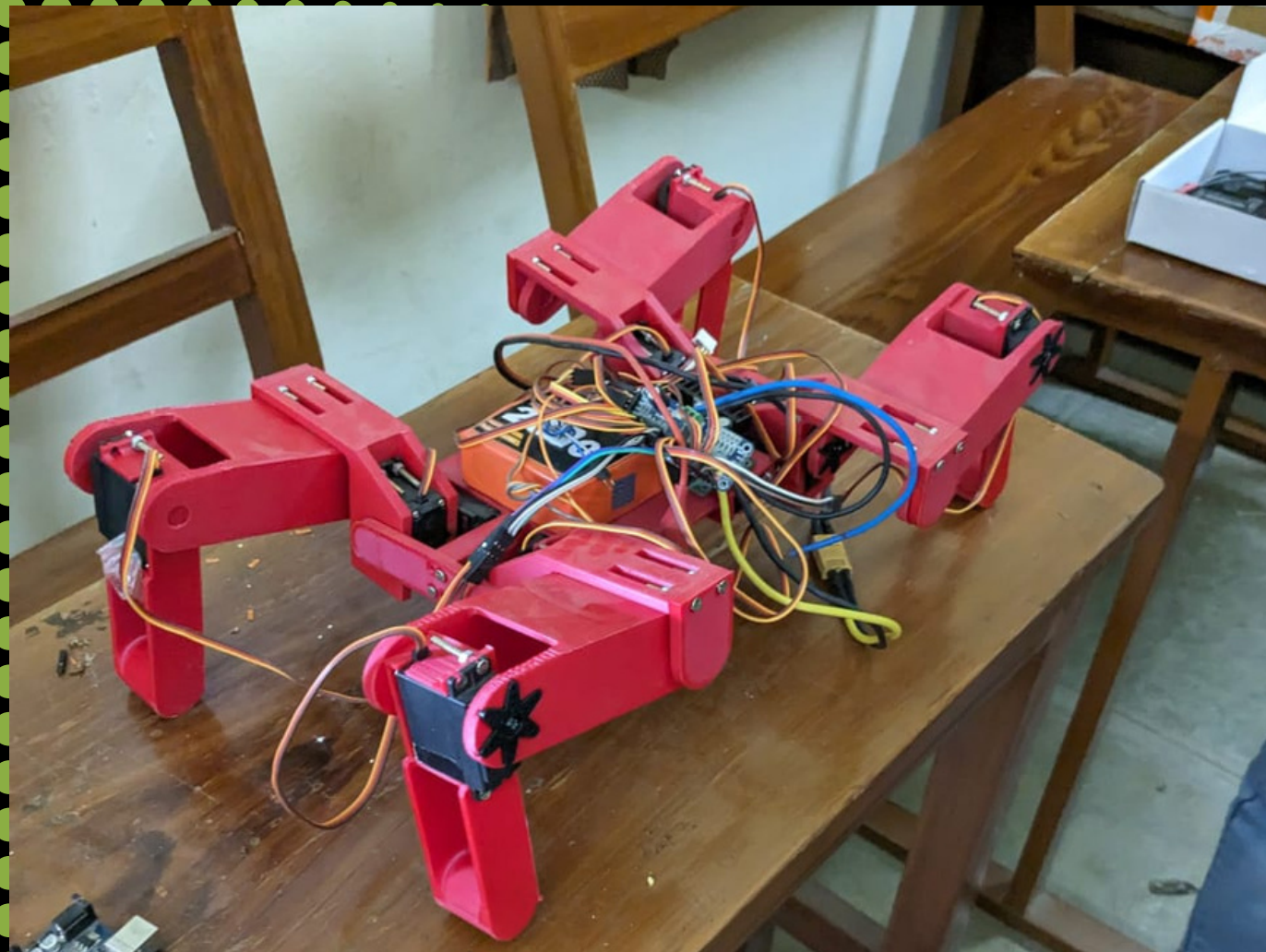
# ONGOING PROJECTS



# AUTONOMOUS QUADCOPTER

We are dedicated to developing a level 5 autonomous quadcopter capable of performing intricate 3D reconstructions within indoor environments. Our vision is to revolutionize various industries, including disaster response, construction, and surveillance, by introducing a drone that can navigate and map complex indoor spaces with unparalleled precision and autonomy. We are using Intel RealSense Depth Cameras and Lidar Sensor to achieve this.





# QUADRUPED

A quadruped is a fourlegged autonomous robot, capable of object distance and avoidance. We have currently built a prototype chassis for it and have run simulations for its locomotion. We plan to add environment mapping capabilities to for surveillance and make the bot run on uneven terrains.



# MODES OF SUPPORT

Join us in our journey of exploration and discovery as we continue to push the boundaries of what's possible in the world of robotics!

- 1. Financial sponsors**
  - 2. Parts/ material sponsors**
  - 3. Manufacturing sponsors**
  - 4. Technical Advisor**
  - 5. Apparel sponsors**
  - 6. Media sponsors**
  - 7. Network sponsors**
  - 8. Event sponsors**
- 
- 

# WHY SPONSOR US?

01

Your support is imperative for us to take part in building technologies which has a world-changing potential. We are directed towards a bigger aim of learning about how robotics can work in conjunction with humanity and make lives simpler and more meaningful.

02

Your Logo displayed on the chassis of our robots and in the Team's apparel, which take in part in competitions and receive national coverage.

03

Publicity on the Team's social media handles and websites, which have a strong following of 3500+ followers across Instagram, Facebook and YouTube.

04

Opportunities to recruit some of the finest engineering graduates of India through Placement and Practice School programs. Special mention in our on-campus workshops, which sees participation of more than 250 students in the college per event.

# SPONSORSHIP TIERS

Benefit	Platinum (₹50,000)	Gold (₹25,000)	Silver (₹10,000)	Bronze (₹5,000)
Display of clickable logo on Team website	Y	Y	Y	Y
Promotion on Team's social media handles	Y	Y	Y	N
Publicity during workshops	Y	Y	N	N
Logo on official Team T-shirt	Large + T-shirt base color	Large	Small	Small

# CONTACT US

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