

OUR MISSION

MIT Motorsports strives to provide students with the best means to learn about the engineering process by emphasizing rigorous engineering, strong technical expertise, and effective management.

WHAT WE DO

The Formula SAE competition tasks students to design, build, and engineer a racecar. Starting from the ground up, each team constructs a vehicle that is judged on design, cost, business case, and performance. Formula SAE pushes students to apply their classroom knowledge to a real world project. The process prepares students to engineer in many fields, as the project has applications ranging across automotive, aerospace, mechanical, business, and data industries.







fsae.mit.edu 03

ABOUT THE TEAM

TEAM STATISTICS MechE 55% MAJOR Other 10% EECS AeroAstro Male 10% 68% 25% **GENDER** Asian 37.7% Female 32% Other 5.2% **ETHNICITY** Latino or Hispanic Caucasian 10.4% 24.7% African-American 22.1% **EXECUTIVE BOARD**





Megan Gupta-She Captain



Henry Smith Mechanical Lead



Alonso Vela Electrical Lead



Alex Mendez Aerodynamics Lead



OUR HISTORY

MIT Motorsports first entered the Formula SAE scene when two freshmen founded the team in 2001. Since our 97th place finish at the first competition in 2003, MIT Motorsports has continued to endlessly evolve.

MY15 was the team's first completed running electric vehicle (EV). It also had the first aerodynamics package in team history.

MY17 finished in second place. The aero package, custom battery, novel wheel package design, and other improvements pushed the team to a new level.

Out 20 registered teams, we were one of eight who passed battery inspection. Despite the impact of COVID-19, MIT Motorsports placed among the strongest competitive teams in the nation.

2023+

2001

2015

2017

2021



Our team continues to value innovation and competitiveness, all the while building a sustainable team and engineering community. MY24 will mark the first oneyear design cycle since 2019, a challenge our young team is excited to tackle.

THE PROCESS

DESIGN

After establishing our team goals, we justify system level requirements using selfdeveloped simulation tools. Next, our design shifts to developing vehicle components and creating a full-car computer model.

DESIGN REVIEWS

Through the design cycle, design reviews offer a formal opportunity for input from peers, alumni, and involved sponsors. These reviews keep us on track and present learning opportunities for newer members.

MANUFACTURING

Our car is built in house from the ground up. Team members machine precision components in MIT's Edgerton Center facilities, teaching them to tread the line between innovative geometry optimization and practical designs.

TESTING

We place high emphasis on testing, aiming to spend just as much time on testing as design. To build a robust and reliable electric vehicle, we go on weekly testing trips, honing our vehicle's performance, controls and training our drivers.











SPONSORSHIP OPPORTUNITIES

While the Institute provides us with laboratory space in the Edgerton Center, we rely on fundraising to support our activities. We welcome both cash and in-kind donation. Fair market value of materials and equipment will be used to determine the level of support. Interested in sponsoring for Model Year 2024? Please see sponsorship benefits on the next page. Tax deductible gifts can also be given to both the MIT Motorsports Expendable and Endowed fund but don't include benefits, in compliance with federal guidelines. Reach out at fsae@mit.edu

2023 NUMBER OF IN-KIND AND MONETARY SPONSORS: 40

2024 BUDGET PROJECTION: \$152,000

WHY JOIN US?

VISIBILITY

Your logo and branding will appear on our website, social media, team shirts, and race car.

RECRUITING

You will have the opportunity to recruit experienced and talented student from our team through recruitment events or our resume book.

ENGAGEMENT

Enable younger generations to grow and develop through engaging in design reviews, shop tours and sponsor events.

BENEFITS

	AFFILIATE \$100-2500	BRONZE \$2500+	SILVER \$5000+	GOLD \$10,000+	PLATINUM \$20,000+	
HONORED ON OUR WEBSITE						
LOGO ON TEAM APPAREL						
LOGO ON CAR			SMALL	MED.	LARGE	
FEATURED ON OUR SOCIAL MEDIA				1X	3X	
ACCESS TO RESUME BOOK						
WEBSITE PROFILE						

CONTACT US

ADDRESS 265 Massachusetts Ave, Cambridge, MA 02139



Thanks to our MY23 Sponsors

PLATINUM



fsae.mit.edu 09

