CONTENTS

1. A LETTER FROM US

2. MEET THE EXECUTIVE BOARD

3. COMPETITION OVERVIEW

4. OUR TIMELINE

5. SPONSORSHIP OPPORTUNITIES

6. CONTACT INFORMATION
Thank you for taking the time to review our sponsorship handbook! We hope you will consider becoming a sponsor for our Formula SAE (FSAE) Team!

Minutemen Racing is a team of 30 undergraduate students at UMass Amherst dedicated to expanding opportunities for students and promoting hands-on STEM learning. As a first year team, our goal is to compete in an FSAE competition in spring 2022!

FSAE is a unique experience that provides students professional skills by allowing them to apply their knowledge outside of the classroom. Unlike most collegiate design competitions that have clear goals and objectives in mind, the FSAE competition’s scoring guidelines require students to make decisions based on their engineering expertise, trade-offs, and unique team constraints. This provides our members with the opportunity to learn project and resource management skills that will follow them beyond their academic careers.

Since the team’s inception in spring 2019, our members have been diligently working on research and design in preparation for the competition. While we have made great progress in our understanding of the vehicle and competition, our next steps are limited by funding. The pandemic and limited campus attendance have greatly impacted our fundraising efforts, and we need your support to help us meet our goal! Sponsoring the team directly impacts our growth as students, engineers, and individuals. Your partnership has the potential to connect us with potential employers, mentors, and friends. If you have any questions, please feel free to contact us!

Thank you for your support!

Minutemen Racing
umassformula@gmail.com
MEET THE EXECUTIVE BOARD

ABHISHEK RAVI
President
Abhishek manages the team and makes key decisions for design implementation, manufacturing, and fundraising.

VINEETH RAO
Engineering Captain
Vineeth leads the engineering sub teams, guides research, and performs our analysis behind vehicle integration.

JAYDEEP RADADIYA
Finance Captain
Jaydeep keeps account of our budget, manages team spending, and compiles our cost-benefit reports for vehicle components.

ALEXANDER MCCOOL
Marketing Captain
Alex coordinates the fundraising for the team, recruiting, and manages our internal communications.
The Formula SAE competition is a collegiate design series conducted by the Society of Automotive Engineers that pushes student university teams to design and fabricate the best performing race-cars.

Our goal is to compete in the internal combustion engine competition in Spring 2022. The competition is evaluated based off of two point categories, static and dynamic events. Both categories contain individual events, adding up to a grand total of 1000 points. Teams are required to design their racecar such that they perform optimally across all events.

### FSAE Competition Events

#### STATIC EVENTS

- **75 Points**
  - Design Event: Display the best use of engineering to achieve performance and value

- **150 Points**
  - Presentation: Develop and deliver cohesive business case to procure investments

- **100 Points**
  - Cost Event: Ability to consider budget and production feasibility

#### DYNAMIC EVENTS

- **275 Points**
  - Endurance: Evaluates durability and reliability

- **100 Points**
  - Efficiency: Evaluates fuel and energy efficiency

- **100 Points**
  - Acceleration: Evaluates straight line acceleration ability

- **125 Points**
  - Autocross: Evaluates maneuverability and handling on a tight track

- **75 Points**
  - Skidpad: Evaluates cornering ability during a constant radius turn
Our Timeline

Research and Design

Through the 2020-2021 academic year, our team is devoted to remote research and design to ensure the most optimal design is achieved for fabrication the following year. Our team’s research will set the curriculum for new members to learn and grow from.

Fabrication and Assembly

Starting summer 2021, we will submit all available part orders and begin preparing for fabrication in the fall. Depending on the public safety conditions, a small team will be present to complete the assembly of the vehicle by February 2022. Our team will officially register and begin completing necessary reports for the competition!

Vehicle Testing

Beginning February 2022 until the competition in early summer, our team plans to devote our time to testing the vehicle and making sure it’s performance is up to our standards. This allows our drivers and crew members to gain the practice necessary to succeed at the competition!

Competition and Legacy!

Our team will officially compete in our first FSAE competition by early summer 2022! From our learning process and experience competing, we will leave behind educational materials and prepare our next cohort of students to enter Minutemen Racing’s second competition with tenacity, confidence, and talent to excel!
Sponsorship Opportunities

Why Sponsor Us

1. **Advertising**
   
   Your logos will appear on our website, car, and future apparel!

2. **Recruit Skilled Students**
   
   Our students will have the expertise and professional knowledge to excel in any job or research application!

3. **Aid the Development of Young Students**
   
   Your contribution enables future UMass students to participate in a competition unlike any other!

Based on our researched design and other budget oriented FSAE teams, our projected cost to compete is:

$27,000

While we receive the support of our faculty, university, and fellow members, contributions from individual donors and corporate sponsors will help kickstart our team and make our inaugural competition one to be proud of! Sponsorships can be granted through monetary and/or equivalent product or services. Below are our sponsorship tiers and benefits! Reach out to us at umassformula@gmail.com with any questions!

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<th>Our Commitment</th>
<th>Supporter</th>
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- Your name on our website
- Logo on Car
- Feature on Social Media
- Logo on Apparel

Minutemen Racing

160 Governors Drive, Amherst, MA 01003 | umassformula@gmail.com
Thank you for your consideration and support of our FSAE team. Your contribution enables us to empower young students to expand their opportunities at UMass Amherst and become leaders in their future endeavors. We look forward to hearing from you!