Warrior Racing and Just Walk It’s Whirlyball fundraiser was a great success! A big thanks to everyone who came out and supported us! Based on everyone’s feedback we’ll definitely be hosting another Whirlyball fundraiser! Congrats to the two winning teams directly below, both dominating with a 4-0-1 record.
The team has been working on several smaller projects, some for RW-8 and others for different reasons. These projects have been a phenomenal learning experience for our newer members and created more opportunities for hands on experience.

Our Torchmate laser cutter is an invaluable machine in our workshop. It enables us to create unique parts. It also allows us to cut out CAD’d logos. As a learning experience for new members, a unique sight for in-house tours, and favors for WSU organizations, members of our team fabricated logos for EcoCar, SWE, and other sponsors.

Chris Abbod created a brake light prototype for RW-8. After making a quick sketch of it in Visio he cut a PCB into 15cm^2 triangle. The resistors and LEDs were then soldered on. This prototype turned out great and contains 45 LED lights.

Progress has been made on RW-8’s 304 stainless steel exhaust system. It will weigh 5 lbs less than our previous model at roughly 15 lbs. The muffler, being welded below by Mohammed Kakli, is an aluminum canister with a carbon fiber variant. It will allow us to surpass the noise requirement at competition.

At competition the team needs a track cart to carry all of our supplies and equipment. Mike Warmbold lead the design and Dave Letizio took on most of the welding. It is made out of 1018 low carbon steel. It is built to last and will journey out with the team to many competitions to come.

Our Torchmate laser cutter is an invaluable machine in our workshop. It enables us to create unique parts. It also allows us to cut out CAD’d logos. As a learning experience for new members, a unique sight for in-house tours, and favors for WSU organizations, members of our team fabricated logos for EcoCar, SWE, and other sponsors.
Tirath Matharu
Currently pursuing a BS in Mechanical Engineering, Junior Status
A Little About Myself
I have a true passion for engineering and I enjoy the problem solving aspect. In my spare time I like to be with my family, play video games, and hang out with my friends.
Why I Joined Warrior Racing
I wanted to learn more about engineering concepts and how they are applied in the automotive industry. I heard I would be able to take the problem solving challenges of engineering and apply them in a real world environment.
My Favorite Part About Warrior Racing
My favorite part about Warrior Racing is the ability to design and manufacture a product using computer software and the equipment available in the shop. It is truly a unique experience that promotes hands on learning.
Recently Team Activity
Recently, I was promoted to brake subsystem captain and I am in the process of designing a new brake system for our new car.

The goal of a Formula SAE team isn’t just to build a race car to test on the track. Its to design and manufacture a product that will be critiqued and analyzed by a board of engineers. Even before competition our team is required to submit documents that track our costs, designs, and much more.
When we attend these competitions we will compete in the following events:

<table>
<thead>
<tr>
<th>Static Events</th>
<th>Dynamic Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Presentation</td>
<td>Skidpad</td>
</tr>
<tr>
<td>150</td>
<td>50</td>
</tr>
<tr>
<td>Marketing Presentation</td>
<td>Acceleration</td>
</tr>
<tr>
<td>75</td>
<td>75</td>
</tr>
<tr>
<td>Cost Presentation</td>
<td>Endurance</td>
</tr>
<tr>
<td>100</td>
<td>300</td>
</tr>
</tbody>
</table>

Teams are assigned points based on various requirements and accomplishments for each event. The maximum score achievable is 1,000 points. After completing the static events the car is tested for safety and leaks. If a car fails the tests they can attempt to solve the issues quickly on site, provided they have enough time and the problems aren’t severe. If all goes well its time for the most exciting moment of competition; driving the car through the various courses!

This is a rough description of the four day competition, so be sure to check us out in a few months for all of our competition details!
Recent Sponsor Contributions

Huntsman provided us with 60 cubic feet (or 3000 pounds) of tooling board. Due to this generous contribution, Huntsman has become our first Detroit Legacy Sponsor! To learn more about Huntsman, visit their website at http://www.huntsman.com/advanced_materials/a/Home
Recent Sponsor Contributions

Our new sponsor Protomatic made a financial donation to our team that went towards our steering wheel and track cart. To learn more about Protomatic, visit their website at www.protomatic.com

Our new sponsor Autodesk provided us with computer software. To learn more about Autodesk, visit their website at www.autodesk.com

Our new sponsor LeoVince provided us with discounted headers for our dyno. To learn more about LeoVince, visit their website at www.leovinceusa.com

Our new sponsor Just Walk It helped us plan our Whirlyball fundraiser and contributed funds to our team. To learn more about Just Walk It, visit their website at http://main.acsevents.org/goto/JustWalkIt
Royal Purple provided us with high performance motorcycle oil. To learn more about Royal Purple, visit their website at www.royalpurple.com

Pennsylvania Steel provided us with additional flexor steel. To learn more about Pennsylvania Steel, visit their website at www.pennsylvaniasteel.com

Samco Sport provided us with an assortment of tubing products. To learn more about Samco Sport, visit their website at www.samcosport.com/usa/

Warrior Racing will be hosting a bake sale the Wednesday (3/19) after spring break. Be sure to stop by the stand outside of the first floor auditorium (room 1507) for some delicious sweets!