Formula SAE Video Transcript

[00:00-00:46]

Hi my name is Kevin Grisham, chief engineer for Ozark Mountain Race, Missouri State University’s Formula SAE team. Formula SAE is a society of automotive engineers sponsored collegiate racing series. The cars are formula styled, open wheeled and open cockpit. They must be designed built and driven by students. Annually, nearly 200 international SAE teams meat in Michigan to compete in point based competition. Judging is both static and dynamic. Static events judge the teams vehicle design and dynamic events tests the teams ability to build and drive the vehicle. The team includes students in both the cooperative engineering program at Missouri State University and pre-engineering students from Ozark Technical Community College.

[00:47-01:13]

Hi I’m Katie Beckenholdt and I am the president of Ozark Mountain Racing. Our team has two primary goals. The first one is to give hands on engineering experience and cultivate professional skills. The second is to contend for and win FSAE events against the largest engineering universities worldwide. Out plan is laid out over the next six months so our car and drivers will be competition ready and ready to compete against the best engineering universities in the world.

[01:14-01:43]

It will be manufactured almost completely in house in an advanced fully furnished machine shop on campus. With a Yamaha YZ450FX dirt bike motor, our team has a challenge to test and fine tune it. We will be using a Drexler differential, fabricate the chassis, and add custom manufactured parts. With an extensive need for specialized equipment, we have a long list of plans that ensure the chassis, body, electronics, and more are developed to create a successful vehicle.

[01:44-02:

Hi, my name is Dr. Ryan Hutchinson, and I am the faculty advisor for Ozark Mountain Racing. Formula SAE provides students with an in-depth learning experience that isn’t possible in the classroom alone. Students learn practical skills essential to engineers which prepare them for the workforce and to achieve their career goals. The community benefits from having these well-rounded engineers entering the workforce post-graduation. Many FSAE students from this program will go on to fill engineering positions right here in the Ozarks. Skills such as 3D computer aided drafting, computer aided engineering, manufacturing processes, teamwork, organization and leadership will be applied, not only to benefit the students, but our community as well. We appreciate your time and consideration. Thanks for watching!