Today’s Rutgers engineering students are on the front line of creating tomorrow’s vehicles and transportation systems, including Formula race cars; robotic, solar, and chemically powered vehicles; autonomous aircraft and drones; hyperloop technology; and more. But designing and building these leading-edge vehicles and technologies requires dedicated space and equipment at a site that is easily accessible to Rutgers engineering students.

The current facility for student project development and construction is housed in a substandard, outdated barracks that can accommodate only the Rutgers Formula Racing team. The building is no longer sustainable and needs to be replaced with a functional facility that is well-equipped with space for multiple student organizations.

The proposed Student Projects Garage at Rutgers School of Engineering will be a dedicated shop space for students to conceptualize and build scale-size projects. In the garage, students from all engineering fields will have opportunities for hands-on learning, interdisciplinary collaboration, project and equipment management, and preparation for intercollegiate competition.

Additionally, the garage will advance the reputation of the School of Engineering and Rutgers University–New Brunswick among peers, most of whom have been providing similar project space to their students for years.
For more than 150 years, Rutgers School of Engineering has been fueling the imaginations of students from all over the world and providing outstanding opportunities for learning and research. Thanks to generous support from private donors, the school’s footprint is undergoing a transformation, which will help position it as a national leader in engineering education.

The proposed Student Projects Garage will enable engineering students to design and build vehicles, drones, and other projects, and will help attract the most talented future engineers from New Jersey and beyond.

The garage will provide:
- A launch pad for innovative project development, allowing students to successfully compete among peer universities on a national stage
- An enhanced student experience and an expansion of Rutgers’ commitment to research and innovation
- Opportunities for industry-student collaboration on real-world technological challenges
- An environment that fosters teamwork, originality, and the development of problem-solving and management skills
- Dedicated space that is adequately sourced with equipment, heat, and plumbing, and is easily accessible to students and faculty
- A home to student engineering organizations associated with specialized competitive opportunities
The Student Projects Garage will be a vital engineering space and the permanent home of many engineering student organizations, supporting students’ increasingly ambitious projects. Despite the current lack of adequate facilities for these pursuits, Rutgers students are racking up impressive achievements.

- The Formula Racing Team has won numerous top-20 finishes and design awards.
- A cross-disciplinary team of Rutgers and University of Maryland students advanced to the 2017 finals in Elon Musk’s hyperloop competition.
- The Rutgers IEEE robotics team was awarded the highest honors at a 2017 VEX U Robotics Tournament, advancing to the world championship.
- The Rutgers Solar Car Team will compete in its first national race in 2018.

For the School of Engineering to have a competitive edge among its peers in attracting and retaining the best students, its facilities and resources must be on par with those at other top institutions.
The School of Engineering is a vibrant and growing resource for regional and national economic development, with proven success across a spectrum of industries. Today, the school

- is ranked in the top 50 institutions nationwide, with Rutgers named the number-one public university for undergraduate engineering in the New York-New Jersey metro region by *U.S. News & World Report*;
- has an 87 percent job placement rate (six months after graduation);
- enrolls highly qualified students with a mean SAT score of 1401;
- is a national leader in educating women engineers, with 29 percent women enrollees this year, well above the national average of 22 percent; and
- conducts extensive research in such areas as coastal resilience, civil infrastructure, and transportation, with nearly $65 million in research expenditures.
The Student Projects Garage will help Rutgers graduates enter the workforce equipped with crucial technological skill sets, as well collaboration and teambuilding skills. The facility will also attract and retain highly talented students and foster the development of new intellectual property and entrepreneurship.

TO DISCUSS YOUR GIFT, CONTACT:
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