Mechanical Engineering
Seniors Develop Low-Cost Therapy Tricycle | College of Engineering

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News Release — Oct. 2, 2019 — A group of mechanical engineering seniors developed a therapeutic tricycle designed to help families that provide physical therapy for a child at home.

From left, students Connor Toone, Zachary Wilson, Derek Scott, Nathan Linville and Liz Housley (not pictured) developed a low-cost therapy tricycle.

Students Liz Housley, Nathan Linville, Derek Scott, Connor Toone and Zachary Wilson built the tricycle with help from the Utah Assistive Technology Program and Intermountain Pediatric Rehabilitation Center. Therapeutic trikes are used to help children who have difficulty walking or crawling.

The trikes are available on the market but are expensive and less versatile than the prototype developed at USU. “Families with special needs children are already going through a lot, and most of them are spending thousands in medical costs,” said Wilson. “We wanted to create something affordable but that still works well.”

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