

# Team 6: BIKE TEAM

## Project Description

Bike team is designing and building a bicycle for users with limited to no function of their right hand and or arm. There are two main categories of modifications: electrical/mechanical and biomechanical. The electrical portion of the design will incorporate gear shifting, turn signals and braking electronically controlled by a centralized Arduino. For biomechanical modifications, the team is designing a more comfortable handlebar that provides more support for the user's hands and torso support for balance. Through this design, the team hopes to deliver a more comfortable and safer bike ride that the targeted user can enjoy.



From Left to Right: David Visser (ME), Luke Penning (ME), Nora TerBeek (ME), Ally Gauss (ME, EESE), Panashe Makuvaro (ME)