TEXAS STATE

**INGRAM SCHOOL OF** ENGINEERING

### Background

Formula SAE (FSAE) is an international collegiate engineering design competition that challenges universities to design, manufacture, and race formula cars.

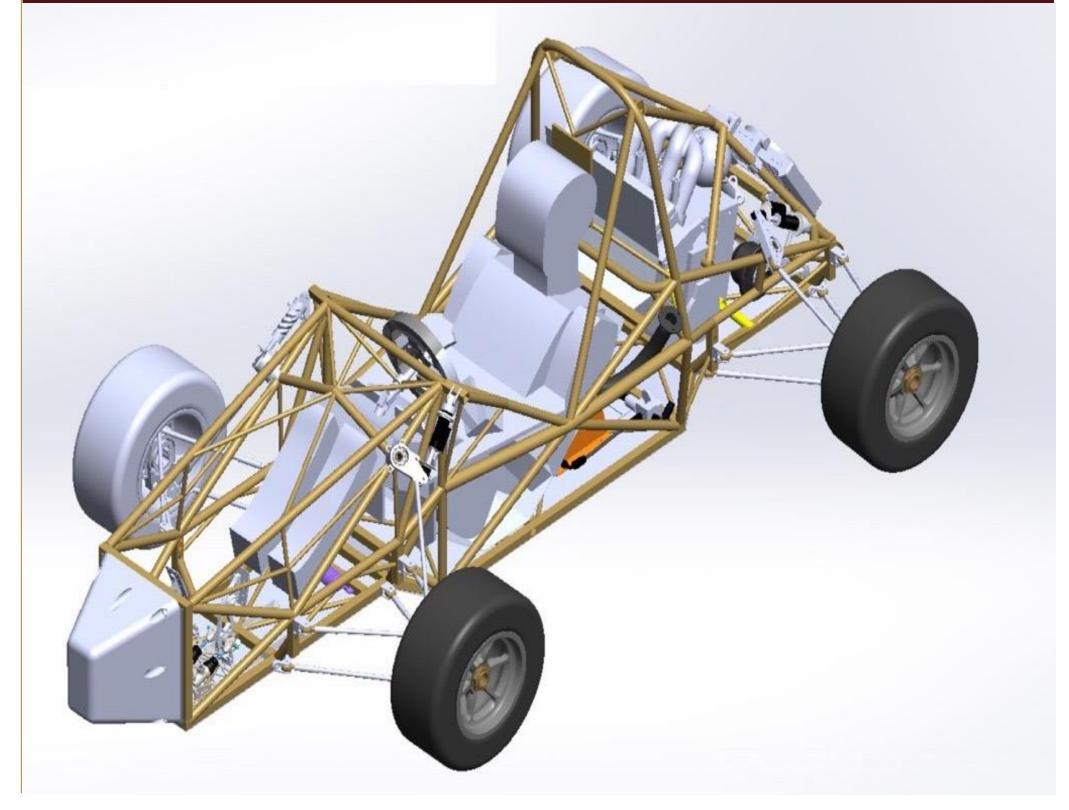
## Goal

Design and manufacture a transmission shifting assembly that complies with the FSAE 2024 rules Must pass technical inspection and operate effectively in the dynamic events during the

2024 FSAE competition

## Objectives

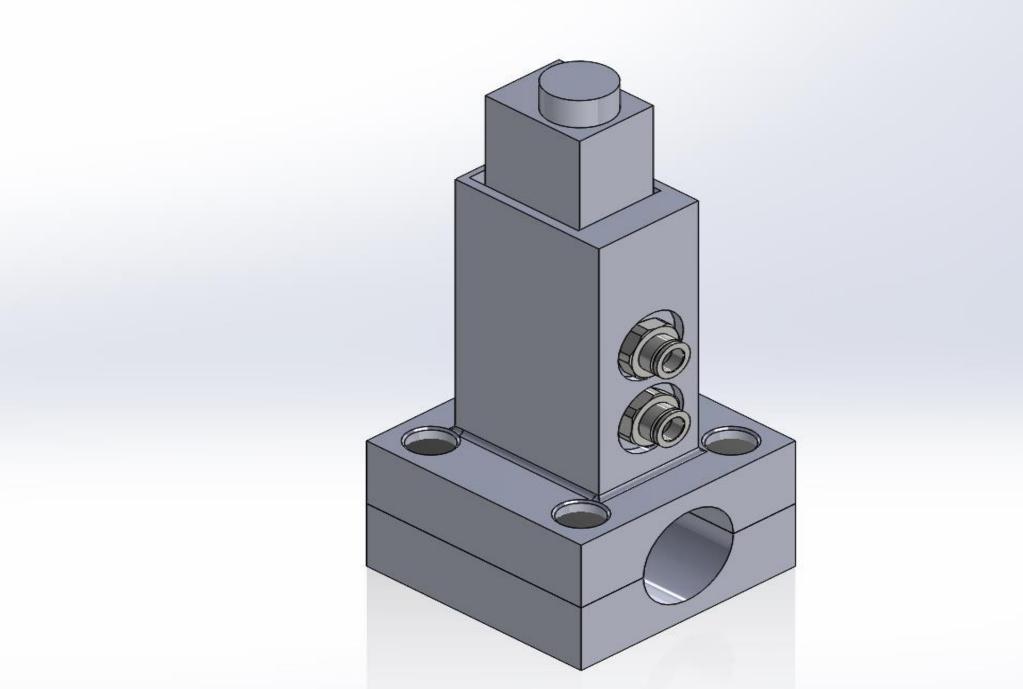
High strength to weight ratio Optimized factor of safety • High reliability

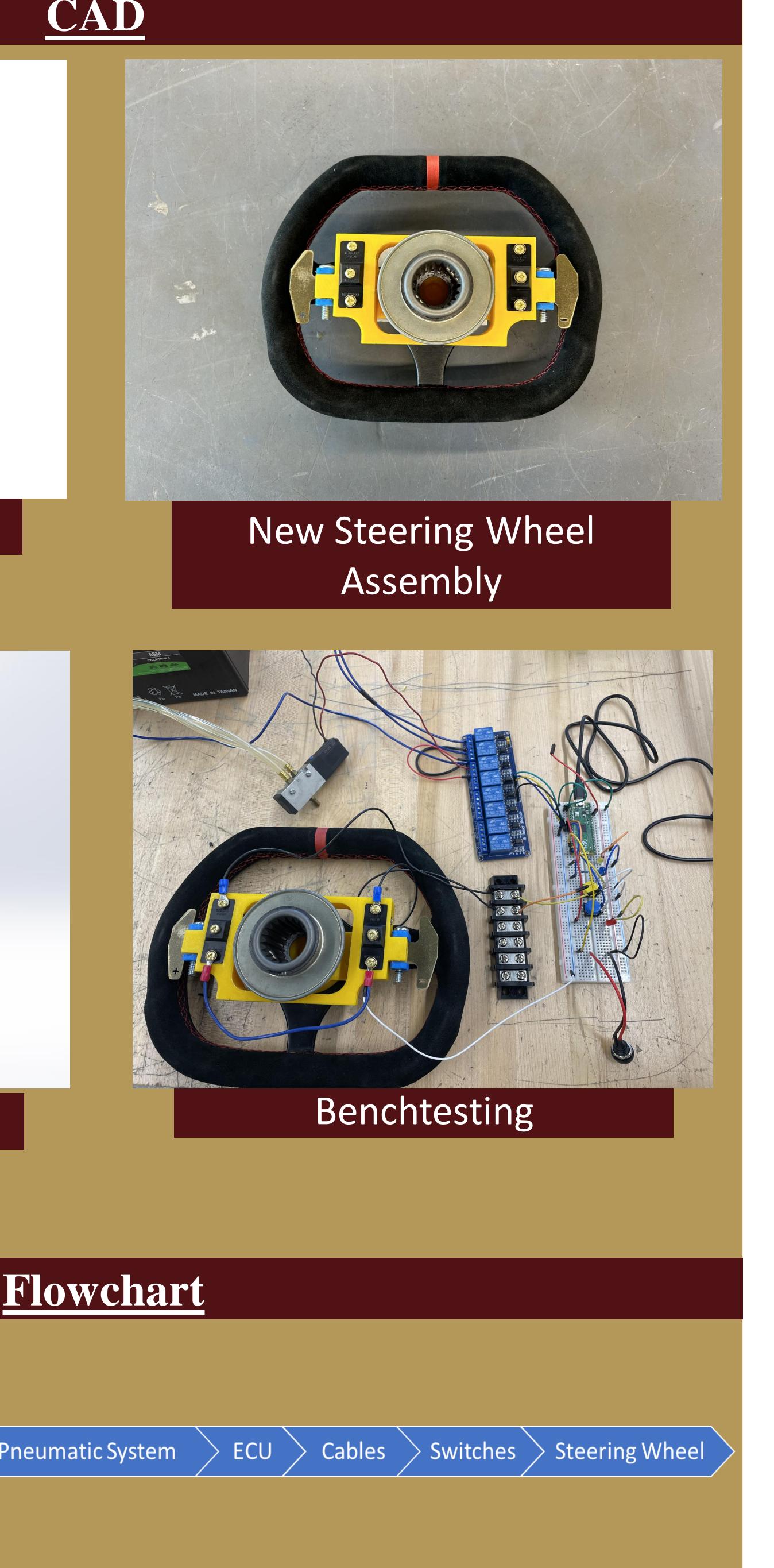


# M2.04 - Formula SAE Shifter Assembly

# **Cristina Cervantes, Daniel Moodie, and Cecilia Schoener** Abhimanyu Sharotry









### Acknowledgements

Abhimanyu Sharotry – Project Advisor James Davidson – Instructor Lost Paintball: Mike Hall -Pneumatic Sponsor San Marcos Motorcycles: Phillip Bain – Power Commander



Cecilia Schoener (Left), Cristina Cervantes (Center), and Daniel Moodie (Right)

Team