

M1.04 - Formula SAE Shifter Assembly

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Background

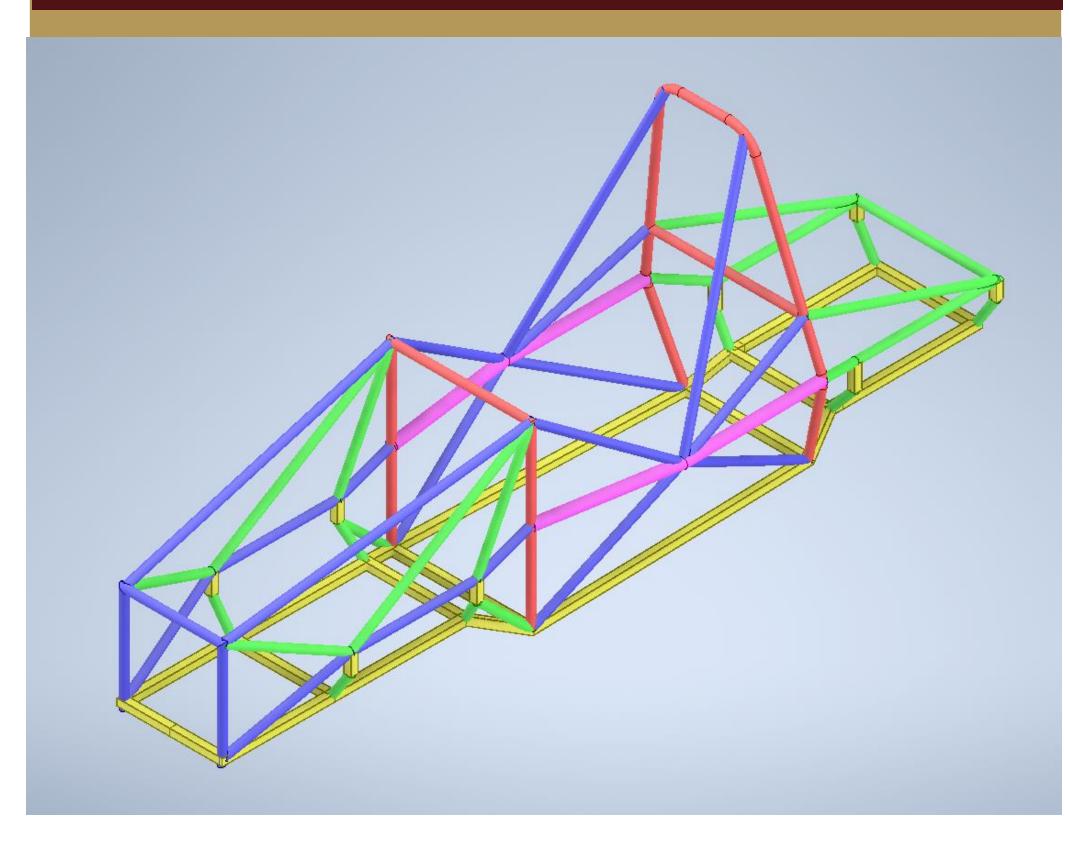
Formula SAE (FSAE) is an international collegiate engineering design competition that challenges universities to design, manufacture, and race formula cars.

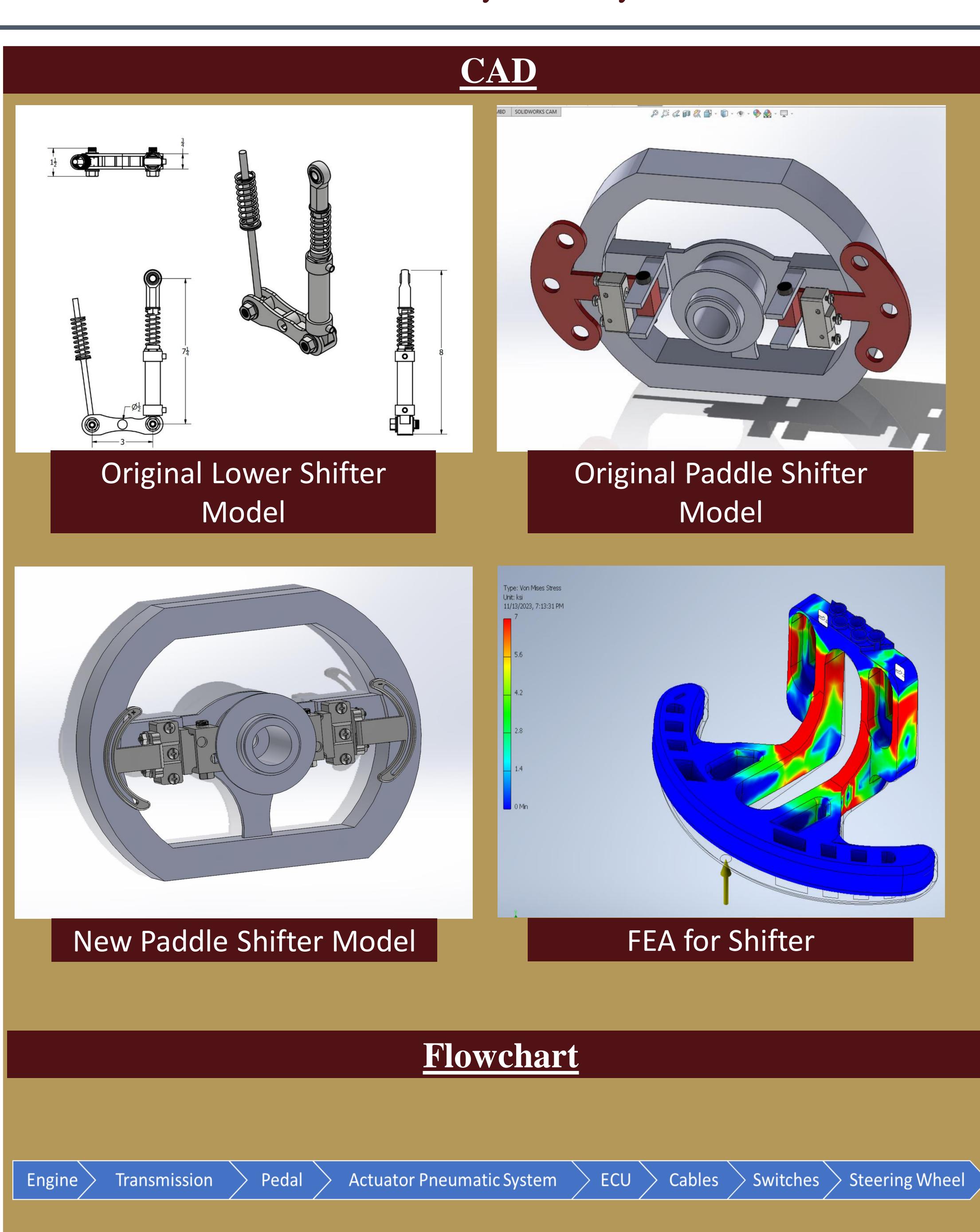
Goal

- Design, manufacture, and assemble a shifter assembly that complies with the FSAE 2023 rules
- It should pass technical inspection and operate effectively in the dynamic events during the 2023 FSAE competition

Objectives

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





Next Steps

- Clutch actuation
- Auto-blipper
- Transmission tuning
 - Final assembly

Acknowledgements

Abhimanyu Sharotry – Project
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Team



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