2016-2017 SAE Baja Tea

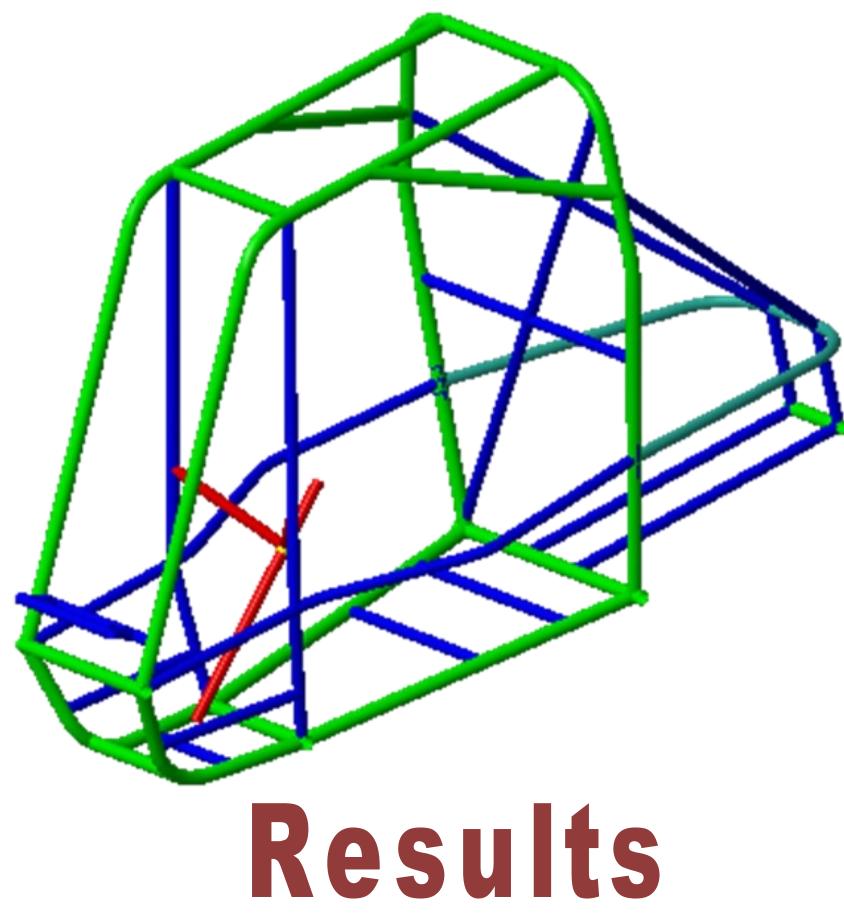
Objective:

Develop a frame and accompanying drivetrain which meets SAE Baja standards while optimizing frame weight, weight distribution, driver safety, and overall performance at SAE Baja competitions





- Reduce overall size of frame
- Reduce number of frame members
- Reduce tube bending and complex notches for ease of manufacturing
- Weight distribution that is better than 40-60 front to rear for better control
- Ergonomics
 - Improve driver comfort



- Privetrain Goals Implement a CVT - Continuously Variable Transmission
- Construct a gearbox
 - custom made (by us at GCC)
 - sequential

- Final Weight 410 lbs
- Front-to-Back weight distribution: 44 - 56
- Finish in top 25 of endurance race at SAE competition :
 - To be determined June 7-10, 2017 at competition in Peoria, Illinois USA



Special Thanks to

- multiple speeds
- locked axle (no differential)
- Design of parts
 - needed to be easy to manufacture at GCC







Grove City SAE Club

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