Quad Chart

Proposal Information	**Supporting Content and Project Planning Information**
Objective: To develop a controller for an Ackermann steering model which respects constraints and ensures convergence to the targets using optimized C++ code.	**Application:** Integral part of the Acme Robotics company's Self driving car project.
Challenges: Ensuring convergence to targets. limit outputs between actuator limits. Writing software that can be scaled to large projects.	**Planning and Milestones:** Phase 0 Driver –> Badrinarayanan, Navigator -> Smit Phase 1 Driver -> Smit, Navigator -> Badrinarayanan Phase 2 Driver –> Badrinarayanan, Navigator -> Smit