**Purpose:** To establish a complete system for the global implementation of autonomous vehicles. Project scope includes inter-vehicle cooperation, efficiency maximization, marketing, business models, legalities, and infrastructure design.

**Goals and Objectives**
- Create the infrastructure to support thousands of driverless vehicles
- Utilize inexpensive, currently-available, and sustainable technology to allow this vehicle to be economically produced and sold
- Understand legalities surrounding autonomous vehicles and outline amendments needed to allow successful implementation.

**Innovation**
- Star Network between vehicles and mainframe computer.
- Allows for vehicles sharing a common destination to form vehicle trains to boost efficiency.
- Create a complete implementation strategy to allow use of driverless cars quickly.

**Requirements**
- System must allow cooperation between all autonomous vehicles to maximize efficiency.
- Scale model of autonomous traffic in a simulated city.
- Outline new laws needed to foster a supportive environment for this technology.

**Projected Timeline**
- Fall Quarter 2014: Research autonomous systems and vehicle design. Determine and confirm project requirements and necessary components for prototype vehicles with collaborating universities.
- Winter Quarter 2015: Begin developing the code for the autonomous systems with University of Toronto and implementing it with the prototype vehicles.
- Spring Quarter 2015: Finish the vehicle code and begin scale testing.

**Current Status**
- Collaborating with Peking University and University of Toronto.
- Presented project scope in Beijing on 16 November 2014.
- Established project goals.
- Researching hardware options for system prototyping.
- Outlined coding strategies.
- Assigned all project participants with unique role.