

Problem Statement Form

for VIP and Design Class

Date: September 26, 2018

Team Name	Automoe	
Team Project Title	AutoMoe	
Team Advisor	Dr. Danda Rawat	
Team Assistant	N/A	
Team Members	Senior Design Class Students	Satchin Campbell Samantha-Jo Cunningham Pawan Gaire Savannah McCoy
	Other Students	Kuishon Brown Mueizdeen Ajiborode
Team Project's Long Term Goal	Implement smart system for autonomous real cars with secure real-time communication between devices	
Team Project's Academic Year Goal	Design and build two autonomous car prototypes capable of privacy aware inter-communication	
Problem Statement	Dissatisfied Situations	Itemize: Humans get distracted while driving Speeding because of frustrations or being late for appointments or frustrating traffics Drunk driving Recklessness Because of blind spots- driver not able to view incoming objects on blind spot while switching lane
	Needs from the Situations	Itemize: Fewer Accident because of 360 degree visual (using sensors) compared to human's 200 degree vision which is frequently interrupted. Plus, the computer wont get distracted. No moving violations. Transportation for elderly/disabled. Productive commute time.
	Problem/Need Statement	A complete sentence: Implementation of a secure smart-system for autonomous vehicles will reduce the number of accidents caused by drunk driving, distracted or reckless driving, speeding, and blind-spots which allows for more productive commute times and overall safer transportation.