



Race of Doom

Team 8

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Project Overview

- *Creating an autonomous vehicle that can receive data from each group to allow for a "race"*
- *Get through different, real-world obstacles successfully*
- Obstacles include
 - People crossing the street
 - Stop signs
 - Bad guys popping up that need to be shot
 - Construction
 - Walls

Strong Professional Area



Communication Honesty

- *Our team has to communicate often to check in on progress we have made and findings*
- *Constant communication – even in bad times*
 - *Figured something out? - Report it*
 - *Can't figure something out? – Report it*
- *Accept that the set timeline is not law and that we can all help each other*
 - *Helps us not think of each other as machines but rather humans*

Weak Professional Area

Social Responsibility

- *Build car to simulate autonomous driving cars*
- *Issue because there are already full sized autonomous cars*
 - *Makes ours seem redundant*
- *We are going to add features onto vehicle to simulate new situations*
 - *Crime stoppage*
 - *Illegal pedestrian crossing*



Broader Context Area-Four Principles Chart

	Beneficence (Promoting Good)	Nonmaleficence (Avoiding Harm)	Respect for Autonomy	Justice
Public Health & Welfare	Improves safety guidelines in following traffic laws	Reduces operator risk by enhancing accurate safety protocols in risk diversion	Enables users to override autonomous driving and have full control of the car	Ensure equitable access to AV technology Addressing potential job displacement in the transportation sector
Global/Culture	Enhance global mobility and connectivity. Promote international collaboration on AVs	Addressing cultural differences in driving norms to ensure AVs can adapt to these changes.	Provide local communities with the opportunity to determine how to integrate AVs	Promoting fair distribution of AV benefits and addressing potential negative social impacts.
Environmental	Adapts to different environmental conditions for safe driving	Minimizes environmental impact with lower greenhouse gas emissions	Empower customers to choose AVs that align with environmental values. Provide transparency about the environmental impact	Ensure environmental benefits are shared equitably including underserved communities.
Economic	Reduces overall energy consumption which reduces run cost of the car	Standardizes economic value of energy consumption for transportation	Allows customers to not have to worry about significant price changes in run cost of their vehicles.	Ensures economic standardization allowing for customers and the economy to not have significant marginal changes in operational costs for their vehicle

Ethical Issues

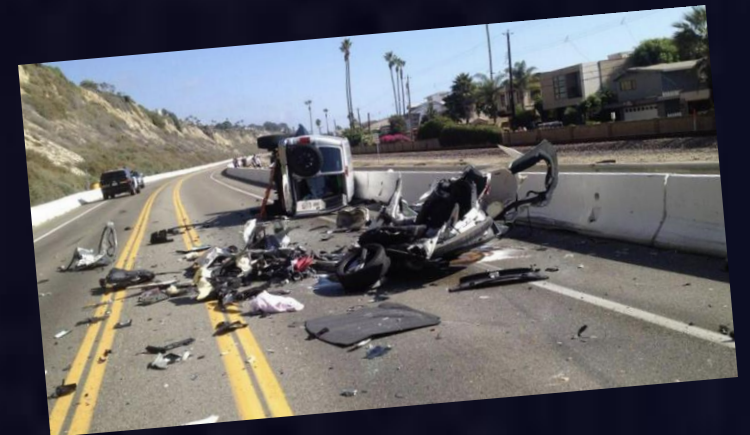
Murder

- *Real Life scenario*
 - *Full size car*
 - *Autonomous*
 - *Accident*
 - *Crash*
 - *Death*



Laziness

- Same scenario
 - Self driving car
 - Highway
 - Sleeping while driving
 - Accident
 - Crash
 - Death



Thank You!