IPRO 348

Universal Car Project
Problem

- An attempt to utilize the web to design and specify a “universal” platform upon which a wide range of functional vehicles can be design for developing countries.
Vision

- Create a Standards organization that will take our advice to be able to build a universal chassis

- Solicit contributors within and not within the automotive industry and would want to develop this
Organization

Tech Team
- Andrew
  - Karthik
  - Dwayne
  - Erfan
  - Daniel

Engineering Team
- Justin
  - Kaleo
  - Chris
  - Bahar
  - Sooraj
Steps to Our Goal - Tech

- Website
  - Acquire Server Space
  - Create Main Website
    - Create Blog-like Page
    - Create Discussion Board

- Social Media
  - Facebook Page
  - Twitter Account
  - Youtube Channel
Current Progress-Website

- UniversalCarProject.com
  - Main Page
    - Blog-like Interface with social media plug-ins
    - Tells our visitors about the progress of the project
    - Allows users to comment on said posts
  - Forums
    - Brings viewers into our discussions and allows them to contribute
    - Gauges community interest
Current Progress- Social Media

- Social Media
  - Facebook page is live
  - Twitter Account: @UCarProject
  - Youtube.com/UniversalCarProject
Spreading the word
- Create and send press release to automotive and technology publications
- Write on car blogs
- Contact car hobbyist groups
- Contact automotive and related industries to gauge interest

Sending representative to Detroit
Steps to Our Goal - Engineering

- Research Automotive Design
  - Standard Mounting Points for Engine, Transmission, Suspension
  - Gross Vehicle Weights

- Design at least 2 chassis with Standard Mounting Points
  - Show how different components can attach to the same mounting points
  - Create 3D Models as visual aids
Steps to Our Goal-Engineering

- Contact Companies to obtain a sponsor
- Set up a Tour with Q&A session with an automotive manufacturer
Current Progress - Engineering

- Finalizing Tour with Q&A with Subaru
- Made Contact with GM

Research
- Standard Mounting points for Engines and Transmissions
- Gross Vehicle Weights
3D Model

- Leaf Spring
- Macpherson Strut
Obstacles

- Finding Part Dimensions
- Obtain server space and creating a presentable website in a limited amount of time
- Delegating work without interfering with each other’s progress
- Have not been able to create a relationship with Ford Plant in Chicago
Questions?