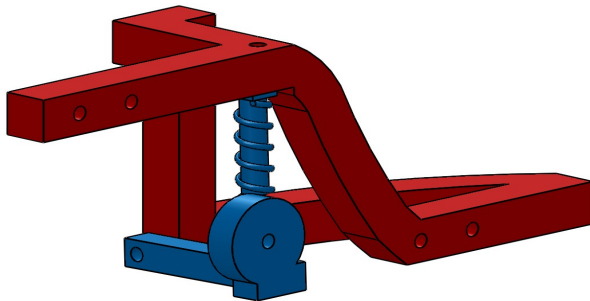
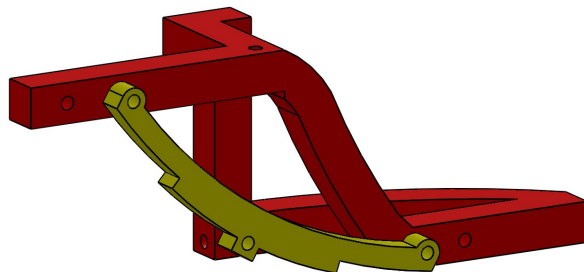


- Large leaf spring for either a small truck or SUV on the Universal Chassis



- Macpherson Strut on the Universal Chassis



- Small leaf spring for a car on the Universal Chassis

Obstacles

- Finding Part Dimensions
- Obtain server space and creating a presentable website in a limited amount of time
- Have not been able to create a relationship with Ford Plant in Chicago

Conclusion

- Web and Social Media presences have been established
- Developed a sample chassis for the universal car project

Future Intent

- Visit Automotive Factories and Engineers
- Find and work with an automotive company to finalize a design and pre fabricate a chassis
- Create a richer web interface to bring more traffic and interest from prospective supporters

IPRO 348 – Universal Car project
Industrial Technology and Management
3424 South State Street
Room 4001
Chicago, Illinois 60616

IPRO 348

Universal Car project



Advisor

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Kaleo Pedrina
Karthik Prabhu
Dwayne Sanders
Erfan Setork
Christopher Williams

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

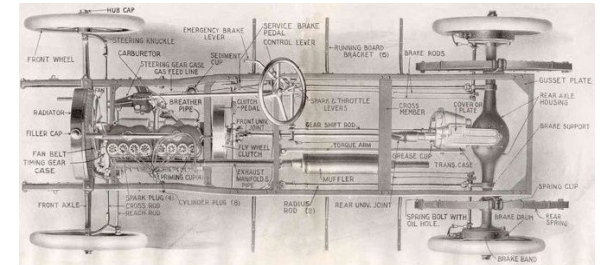
Objectives:

- Create a Standards organization that will take our advice to be able to build a universal chassis
- Solicit contributors within and outside the automotive industry and would want to develop this

Methodology:

- Engineering Team - Research Automotive Designs, Design 2 chassis

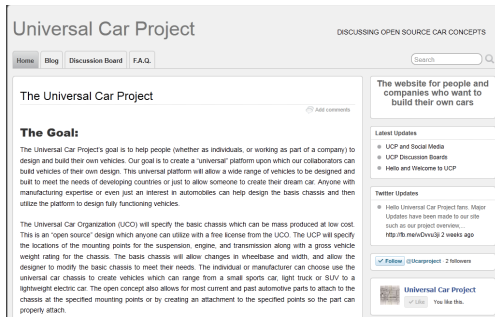
- Tech Team – Create a Website, outreach through social Media



Out reaching through Technology

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

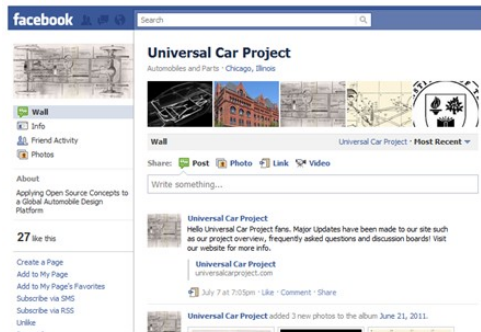
<http://universalcarproject.com>



- Social Media

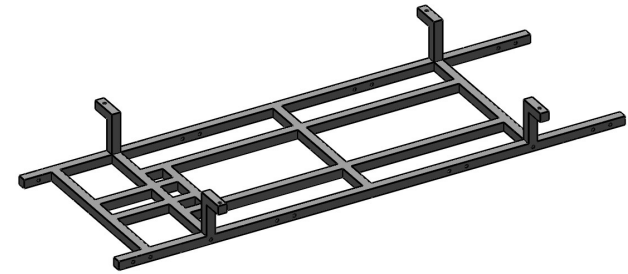
- Twitter Account - <http://twitter.com/ucarproject>
- Youtube Channel
- Facebook Page

<http://www.facebook.com/UniversalCarProject>

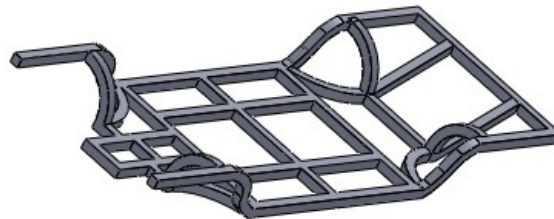


Designs of the Universal Components

- Researched the Standard Mounting Points for Engines, Transmissions, and Suspensions
- Researched vehicle dimensions (wheelbase length, overall vehicle length, and vehicle width) and Gross Vehicle Weights
- From data, create 2 chassis types that represent the basic ideas for current chassis construction



- Universal Ladder Frame Chassis



- Universal Space Frame Chassis