Shell Eco-Marathon

Problem Statement

Build a fuel efficient car prototype that will yield maximum mpg at 15 mph to be used in the Shell Eco Marathon in Houston, TX.

Objectives

- Use a internal combustion engine
- Minimize weight of the car
- Maximize efficiency with available budget

Proposed Design

- Aerodynamic design that will reduce air friction
- Body and chassis made of carbon fiber to optimize strength/weight of the vehicle
- 4-stroke centrifugal clutch engine
- Steering system to facilitate a 6 m radius curve
- Front and back-wheel braking systems capable of holding the car on a 20 degree slope.

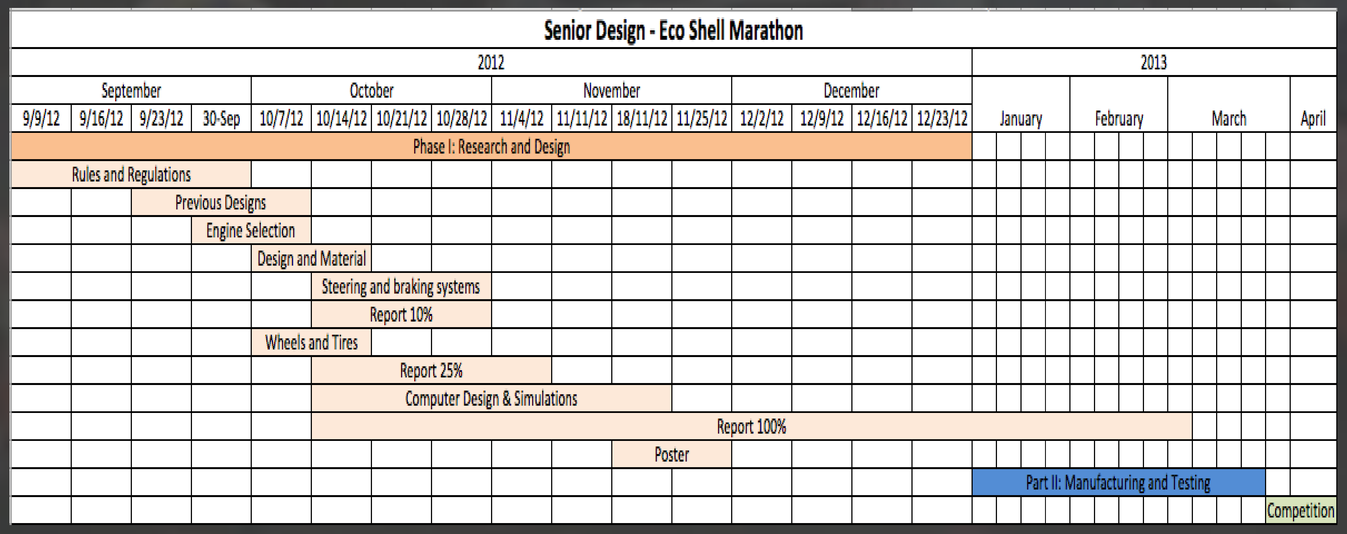
Motivation

- Represent FIU in this worldwide recognized competition.
- Gain knowledge and experience in the future of transportation

Prototype and Testing

The car will be built at least one month prior to the competition. The same model will be used after the necessary adjustments.

Project Timeline



Team Members

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