Shell Eco-marathon

Motivation

Design and build a fuel efficient vehicle that can yield maximum mpg at 15 mph with one gallon of gasoline

Objectives

- Minimize total weight of vehicle
- Create most aerodynamic body shape with budget
- Maximize fuel efficiency

Proposed Design

- Aerodynamic design that will reduce air friction
- Body and chassis made of lightweight material
- High efficiency engine with small displacement.
- Specially formulated tires for minimal rolling resistance.

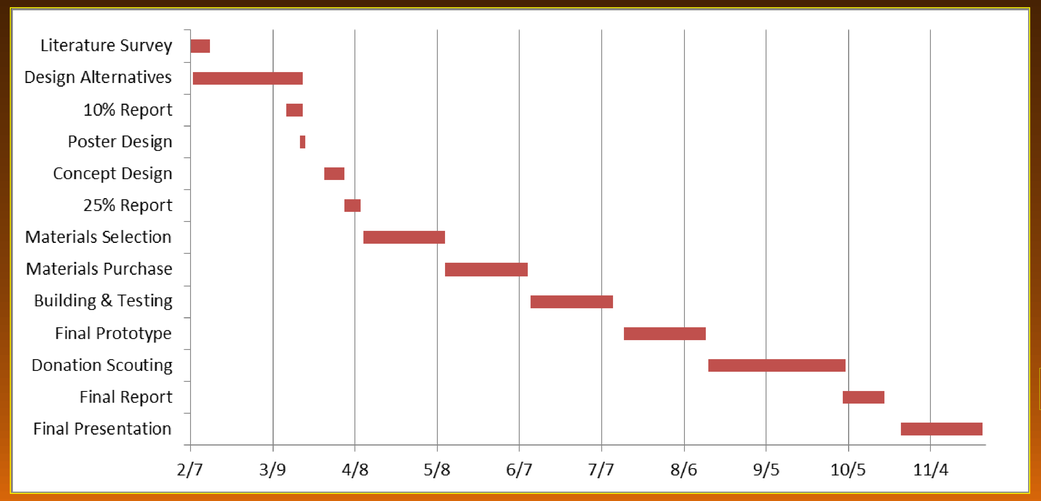
Process

- Design
  - Sketch
  - Modeling
  - Final design
- CAD Testing
  - Structural analysis
  - Body wind tunnel test
- Manufacturing

Prototype and Testing

- The vehicle will be constructed and tested
- Changes would be made accordingly for competition

Timeline



Team

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