**ECE 411**

**Industrial Design Process**

**Practicum Project**

**Homework 2**

**TEAM MEMBERS\*:**

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**PROJECT NAME:**

SuperDuper

**PROJECT IDEAS:**

Beer Mug:

A few sensors will determine if the level of liquid in the mug and determine the temperature and light a RGB LED to indicate temperature and blink to indicate when the mug is empty.

Cat Toy:

This toy will produce and point a laser with servos in the direction of multiple motion sensor indicators around the base of the toy.

Child-Escape Detector:

This will measure the height of a person going through a door, and indicate if they are child sized.

Need-Help Indicator:

A row of buttons will radio to a sign, and the sign will light up which button radioed it.

Descition matrix.

Values were chosen on a scale of 1 to 10. Feasibility and usefulness are x1, x0 multipliers. The column with the largest total was chosen to the our practicum project.



The cat toy was chosen to be our practicum project.