

Meeting Log for 2-11-11

Critique from Detailed Design Review

Task List

Pedal Design - Kyle

1. Frame Stress Analysis - by hand
 - Fatigue analysis
 - Deformation analysis
 - Stress analysis
2. Call Isokinetics - Wes
 - Check on dual directional pedaling
 - Inner workings of pedal box

Tilt Resistance - Marc

1. Calculate a new shock design
 - Lower shock placement
 - Angled attachment
2. Shaft Dimensions
 - Inner diameter versus shaft diameter
 - Tolerances on machining
 - Jamming, lubing and sliding
3. Look at possibility of using a one-rear-dampener system
4. Find diameter of shock – call manitou - Wes

Display -Larry

1. Use of a wire wrap board versus pc board
2. Calculate power needs for each piece
 - Battery life
 - Type of battery
3. Viewing angle on LEDs
 - Diffuser plates
 - Schedule talk with JJ about lighting options - Wes
 - Trailing LEDs, etc
 - Viewing of lights for patients
4. Speakers
 - What level of sounds
 - Get decibel meter for testing