March 13, 2012

ENGR110/210
Perspectives in Assistive Technology

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Items for Thursday's End-of-term Celebration

1. Sign-up for food (burittos or pizza & drinks)
2. Everyone is invited to attend the celebration
3. Meet in this classroom on Thursday to fill out course evaluation form
4. Students will show their prototypes
5. ROTAmobility will bring their products to try out (weather permitting)

Presentation Schedule

1. 4:25 - 4:35 Accessible Eateries
2. 4:35 - 4:45 Emotionary!
3. 4:45 - 4:55 Customobility
4. 4:55 - 5:05 Spin a Story
5. 5:05 - 5:15 Piano Pedal
6. 5:15 - 5:25 Friendly Cane
7. 5:25 - 5:35 Transfer-mations
8. 5:35 - 5:45 RotaBrake

Accessible Eateries

Nicole Torcolini

Project: Create an accessible database of restaurant menus that can be accessed via a website or a mobile application.

Next up: Emotionary!

Social skills for elementary students with Autism Spectrum Disorders

Emotionary!:

Anna Ly and **Hain-Lee Hsueh**

Project: Explore mechanisms of enhancing social skills for students with Autism.

Next up: Customobility

Customize the Wheelchair

Project name: Customobility: Making the Wheelchair Personal
Mia Davis

Project: Explore ways to add a personal aesthetic to wheelchairs.

Next up: Spin a Story

Spin a Story

SuperK:

Krystal Le

Project: Investigate and develop new educational activities appropriate for children with disabilities. This may include mechanical and/or computer software solutions that will provide interactive access for these learners.

Next up: Piano Pedal

Piano Pedal

Ntokozo Bhembe

Project: Explore designs that would enable a Menlo Atherton high school student with paralysis to operate the sustain foot pedal on his electronic music keyboard.

Next up: Friendly Cane

Friendly Cane

Team Wombat:

Nate Wynn and **Cindy Au**

Project Name: **iCane**

Project: Explore designs for a light weight cane that can accommodate the weight of its user and easily retract and extend with one hand.

Next up: Transfer-mations

Low Cost Transfer Device



Transfer-mations:

Sofia Rojasova, **Nick Akiona**, and **Rahul Sastry**

Project: Explore designs for a low cost transfer device for a wheelchair user.

Next up: ROTAbrake

Wheelchair Brake



ROTAbrake:

Tyler Haydell, **Jai Sajnani**, and **Mark Murphy**

Project: Explore designs for a low cost brake design for a manual wheelchair.

Fini

Short Break