

BIOEN 461: Gaurav Mukherjee, Aishwarya Mandyam, Larry To

Value Proposition: Create a minimalistic, low cost, customizable orthosis for a paralyzed individual in order to enable the user to interact with every day objects by gripping them.

See Gantt Chart for Overall Plan

Budget:

Item	Cost	Source
Prototyping Materials	\$150	CoMotion, Amazon, Store
Arduino		
Electrical Wire		
EMG Sensor	\$25 for pack of 50	
Motor	\$10	
Delrin		
PLA		
Potentiometer		

Overall Plan (rough):

Week	Tasks
4	<ul style="list-style-type: none">- Meet with mentors- Start prototyping- Write plan and budget- Order supplies- Get signal processing control logic done- Get EMG Sensor data working- Test on Eric
5	<ul style="list-style-type: none">- Continue prototyping- Test on Eric- Get Muscle placement for Eric- Documentation continues
6	<ul style="list-style-type: none">- Continue prototyping, more iterations- System Integration- Fallback option if necessary- Continue testing on Eric (ask for feedback)
7	<ul style="list-style-type: none">- Finalize system integration- Work on Presentation/Pitch
8-10	<ul style="list-style-type: none">- Work on Presentation/Pitch more- Finalize product