

ME 102B Project Assignments 1 & 2

1.

For shop training, Nilesh and Taylor are certified with machines in the Etch lab. If need be, Rocklin will also undergo machine shop training later on in the semester. Nilesh, Rahul, Rocklin, and Taylor are all proficient in CAD and everyone will have access to CAD files.

Rocklin will be responsible for receiving shipments and the purchase/returning of parts and materials. Nilesh will be the P.O.C. for borrowing shop materials and tools.

For work submissions, whoever's free at the time will submit the assignment. If a member gives a date that they will complete work by, it is expected that they will finish by that date. Exceptions will be made only if sufficient notice is given (approx. 24-48 hours).

Late work completion and meeting absences will be excused only if communication stays consistent and constant. In the event of a member ceasing communications and neglecting work, the rest of the team will notify the teaching team if attempts to reach out are unsuccessful.

The following people agree to follow the terms listed above:

Rocklin Duong

Taylor Jazan

Rahul Kariyawasam

Nilesh Kothari

2. Our selected opportunity is enhancing human mobility.

3.

	Exo attachment	Interactive smart balance board	Stair-shoes	Smart/enhanced Wheelchair
Feasibility (4)	4	4.75	3.5	4.25
Cost (2)	3.5	3.75	2.75	2.25
Team Enthusiasm (1)	4.5	4.75	3	3.5
Practicality (3)	4.75	4.75	3.75	4.5

Total Score	41.75	45.5	33.75	38.5
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The concept we decided to pursue is the interactive smart balance board because it has the highest score average between all members for all criteria.