

Go Baby Go-D

Sponsor/Client: Dr. Sarah Oman

Presented by: Hussen Alajmy, Saleh Almasari, Shahah Eshkanani, Yousef Alraqem, Yousef Alenezi

Project Description

- Aims in helping Disabled children.
- Make children feel normal.
- •Help build a better prototype for the child in need.



Figure 1: GBG [1]

Project Description

- •The team managed to find a sponsor for the project over the winter break
- Sponsored by Auto Rehab garage
- •Provides welding machines, experience, space...
- •Sponsor information:
- □ Specialty: Automotive repair and performance enhancements for vehicles
- □ Location: 799 Historic Rte 66, Flagstaff, AZ 86001
- □ Phone: (928) 774-9351



Figure 2: Sponsor logo [2]

Updates

- Previous CAD Design
- Needed Leg support
- Seat base was too long and needed some adjustments

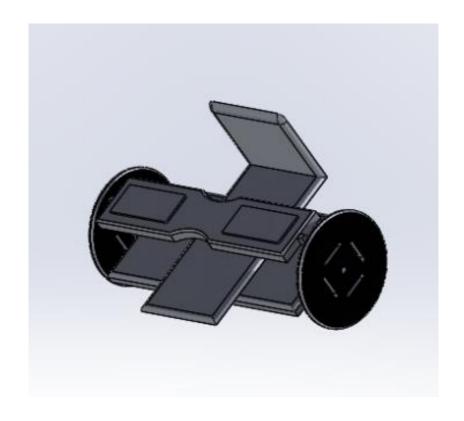
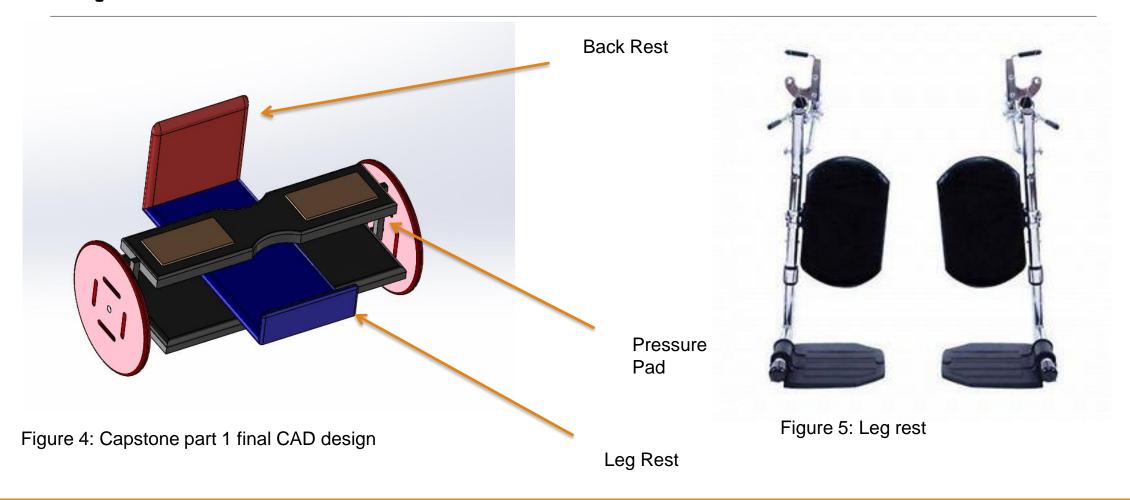


Figure 3: Capstone part 1 final PPT CAD design

Updates



Updates

Capstone part 1 final report

- Grammar
- Font
- Labels and figures
- Fixed some parts of the report

Team website

- Updated team members information
- Updated team members pictures
- Substituted sponsor information to Go Baby Go information on the home page
- Added a new link for (Team meeting minutes + Presentation + Reports)

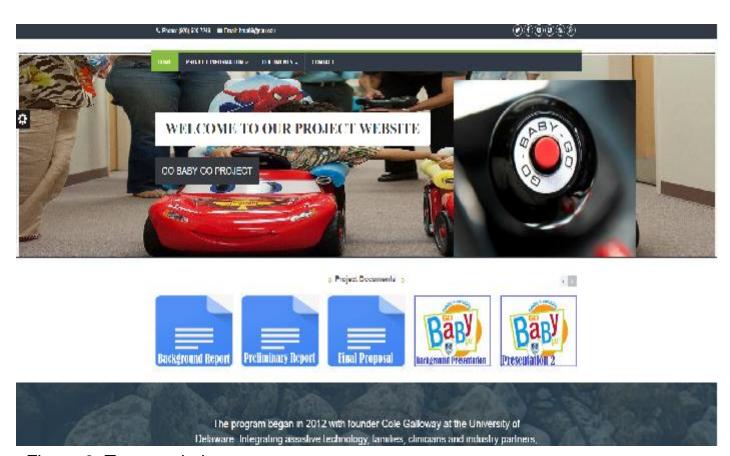


Figure 6: Team website

Manufacturing

- Manufacturing Plan:
- ☐ Hardware 1 Electric scoot base
- ☐ Hardware 2 Hoverboard, leg rest and tires attachments
- Testing:
- Weight compatibility
- Electric circuits
- Pressure pads
- Heat generation
- Balance check

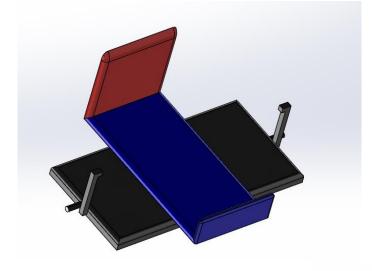


Figure 7: Electric scoot base



Figure 8: Hoverboard

Manufacturing

Table 1: Team members responsibilities and skills

Name	Responsibility	Skills
Hussen Alajmy	Testing	OSHA safety background, PMP
Saleh Almasari	Welding	Manufacturing
Shahah Eshkanani	Electronics	Circuits layout
Yousef Alraqem	Interior design	Solidworks
Yousef Alenezi	Alignments	Solidworks

Budget

Table 2: Bill of Materials [8-12]

Parts	Market		Cost
Graco Affix No Back Booster - Davenport	Walmart	21	\$64.97
BAA SHOP Two Wheels Mini Smart Self Balancing Scooter (Adapter)	Amazon		\$40.99
D@Boards Replacement Rubber Parts for 2 wheel self balance scooter hoverboard	Amazon	000	\$21.96
(CE FC ROHS)36V 4.4Ah 158Wh Battery Pack for 6.5" Classic Electric Scooter Hoverboard[PandaWill	e e	\$54.99

Total Cost \$385.46

RocketBus Replacement 6.5" Inch Power Motor Wheel for Self-Balance Smart Scooter IO Hawk PhunkeeDuck Swagway Hoverboard	Amazon		\$44.95
VIIVRIA® 9 in 1 Balance Scooter Circuit Repair Kit Board Main Hover Board replacement parts 2 Wheel 6.5"	Amazon	FOLL SETS	\$89.99
Cloudings(TM) 16 * CREE 80W LED Motor Bike/Moped/Scooter/ ATV Headlight Bulb BA20D H6 Car LEDs Lamp Lighting	Amazon	The state of the s	\$19.98
Lap Seat Belt, Chrome Lift Latch, 60 Inch Length	Amazon		\$14.64
K'NEX Combat Crew 5-in-1 Building Set	Amazon		\$32.99

Gantt Chart

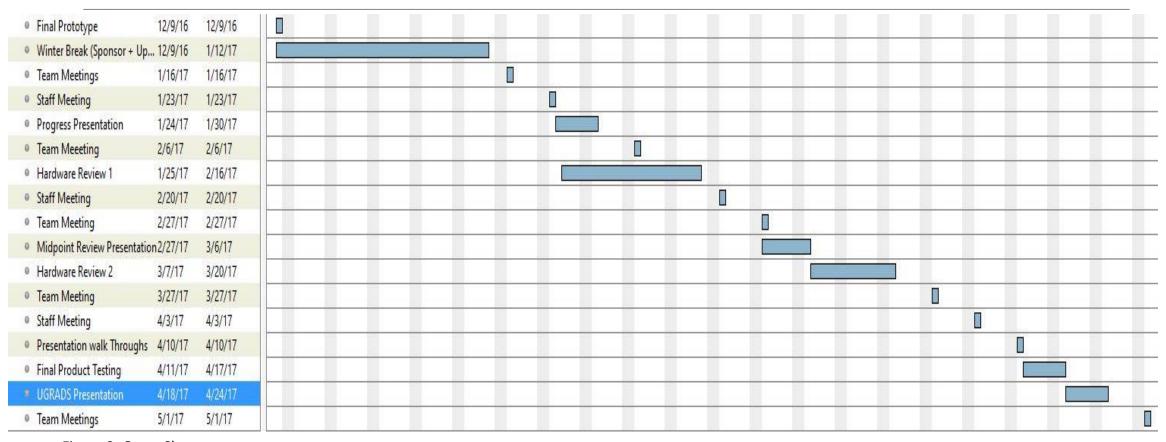


Figure 9: Gantt Chart

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Thank You

